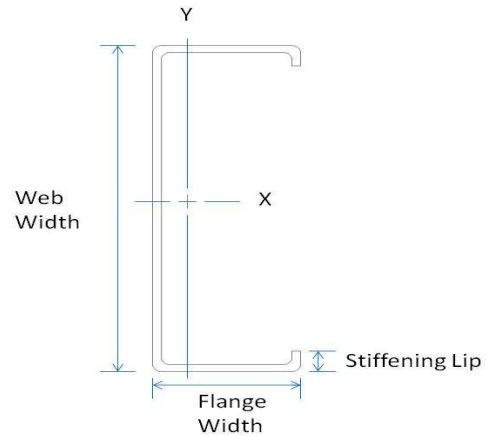


## Member Designator **800S137-43**

Coating CP60

## Physical Properties

Design Thickness 0.0451 in  
 Mil 43 mil  
 Gauge 18 Gauge  
 Web Width 8.00 in  
 Flange Width 1.375 in  
 Stiffening Lip 0.375 in  
 Yield Strength 33 ksi



## Gross Properties

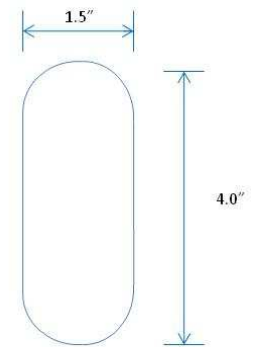
Area (in <sup>2</sup> )	Weight (lb/ft)	I <sub>x</sub> (in <sup>4</sup> )	S <sub>x</sub> (in <sup>3</sup> )	R <sub>x</sub> (in)	I <sub>y</sub> (in <sup>4</sup> )	R <sub>y</sub> (in)
0.503	1.71	4.134	1.033	2.866	0.093	0.430

## 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)
4.001	0.896	17.70	1051

## 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
0.341	1.214	-0.687	0.454	2.978	0.947



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
800S137-43	12	47' 8"	39' 10"	33' 0"	26' 2"	22' 11"	19' 3"	23' 10"	20' 9"	17' 6"	22' 1"	19' 3"	16' 3"
800S137-43	16	43' 3"	35' 4"	30' 0"	23' 10"	20' 9"	17' 6"	21' 7"	18' 11"	15' 11"	20' 1"	17' 6"	14' 9"
800S137-43	24	37' 10"	31' 0"	26' 2"	20' 9"	18' 2"	15' 4"	18' 11"	16' 6"	13' 11"	17' 6"	15' 4"	12' 11"

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
800S137-43	12	20' 9"	18' 2"	15' 4"	19' 9"	17' 3"	14' 6"	18' 11"	16' 6"	13' 11"	17' 6"	15' 4"	12' 11"
800S137-43	16	18' 11"	16' 6"	13' 11"	17' 11"	15' 8"	13' 2"	17' 2"	15' 0"	12' 8"	15' 11"	13' 11"	11' 9"
800S137-43	24	16' 6"	14' 5"	12' 2"	15' 8"	13' 8"	11' 6"	15' 0"	13' 1"	11' 0"	13' 5"	12' 2"	10' 3"

## 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.