

# AS - Load-Bearing Secure Strut

## Product Application

The AS load-bearing secure strut is used in various applications, but most commonly to connect an exterior wall stud that bypasses the building structure. Depending on the material properties of the structure and the proposed design, the AS secure strut may be attached to the structure with either an approved fastener or a weld. AS secure struts are designed to resist compression loads and axial tension. Clips 12" in length and less come packaged in durable buckets for convenient handling on the jobsite.

## Features and Benefits

- Variety of lengths available
- Transfers horizontal load into structure
- Maintains lateral rigidity
- Eliminates bridging within 12" of support connection

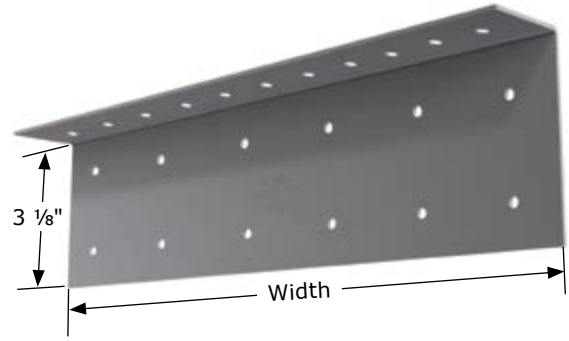
## Material Composition

- Mill certified steel
- ASTM A653/A653M
- 68 mil
  - 57 ksi yield strength
  - 65 ksi tensile strength
  - G90 galvanized coating

## Quantity / Order Information

Part No.	Width	Qty / Bucket	Lbs / Bucket
AS800	8"	50	36
AS1000	10"	50	45
AS1200	12"	50	54
AS1500	15"	-	-
AS2000	20"	-	-
AS2400	24"	-	-

Additional lengths available upon request. Strengthening lip added for struts 20" in length and over.



## Section Properties

AS - Secure Strut Less Than 20"						
Area (in <sup>2</sup> )	I <sub>xx</sub> (in <sup>4</sup> )	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>x</sub> (in)	R <sub>y</sub> (in)	S <sub>xx</sub> (in <sup>3</sup> )	S <sub>yy</sub> (in <sup>3</sup> )
0.3203	0.3392	0.0564	1.029	0.4198	0.3089	0.0461

AS - Secure Strut 20" and Greater						
Area (in <sup>2</sup> )	I <sub>xx</sub> (in <sup>4</sup> )	I <sub>yy</sub> (in <sup>4</sup> )	R <sub>x</sub> (in)	R <sub>y</sub> (in)	S <sub>xx</sub> (in <sup>3</sup> )	S <sub>yy</sub> (in <sup>3</sup> )
0.3804	0.4777	0.1270	1.1026	0.5778	0.4215	0.0803

