

Product Submitted: Hilti Strut



Feature/service:

- C-profile with serrated edges for greater hold and stability
- Scaled tick marks every 2" to assist with measurement, cutting and installation
- Slots for greater flexibility
- Longitudinal swaging for greater strength

Size Range: See subsequent tables

Material: Metal framing strut shall be C-profile channel with serrated rolled edges, fabricated from structural grade steel conforming to one of the following specifications ASTM A570 GR33, or ASTM A653 GR 33.
Nominal thickness of 12-gauge strip steel is 0.101 inches (2.57mm); 14-gauge is 0.075 inches (1.9mm).
Allowable design stress is 25000 psi (172 MPa = 172 N/mm²)

Finish: **Pre-Galvanized**
Pre-galvanized strut shall be zinc coated by hot dip process prior to roll forming. The zinc weight shall be G90 in accordance with ASTM A653. (PG)

Electro-Deposition Coating

Electro-Deposition Coating or "E-Coating" uses electricity to deposit a smooth, thin uniform layer of plastic coating on the surface of the steel channel. The epoxy-coated strut is then cured in an oven at approximately 400°F for at least 20 minutes. Salt spray (fog) testing has been conducted to verify the performance of the finish - the plastic coating withstood 1000 hours in a salt spray chamber, when tested in accordance with ASTM B1117-95 specification. Since the coating is applied as a liquid, the epoxy travels into crevices and trouble spaces so that outside moisture is less able to invade the coated area and cause corrosion. (EC)

Hot-Dip Galvanized

Hot-dip galvanized strut according to ASTM A123 (HDG)

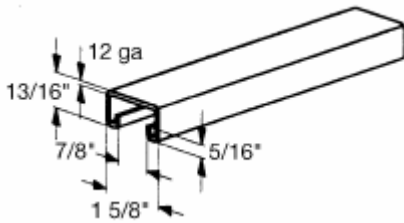
Stainless Steel

316 Ti Stainless Steel strut (SS)

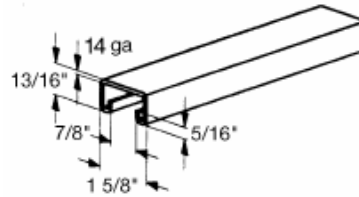
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Ordering/Technical Information:

13/16" - 12 Gauge



13/16" - 14 Gauge

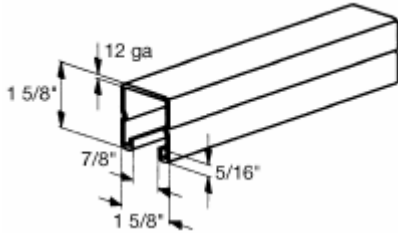


Item #	Description	Slot Configuration	Finish	Package Qty.	Weight/Piece (lbs)
3424461	1316-12/PG 10'	2-1/2" x 9/16"	PG	1	12.2
3424462	1316-12/PG 10' VIP	2-1/2" x 9/16"	PG	50	12.2
3424483	1316-12/PG 20'	2-1/2" x 9/16"	PG	1	24.3
3424484	1316-12/PG 20' VIP	2-1/2" x 9/16"	PG	50	24.3
3424457	1316-12/PG 10' SOLID	Solid	PG	1	15.4
3424458	1316-12/PG 10' SOLID VIP	Solid	PG	50	15.4
3424459	1316-12/PG 20' SOLID	Solid	PG	1	30.8
3424460	1316-12/PG 20' SOLID VIP	Solid	PG	50	30.8
3424485	1316-12/HDG 10'	2-1/2" x 9/16"	HDG	1	12.2
3424486	1316-12/HDG 10' VIP	2-1/2" x 9/16"	HDG	50	12.2
3424487	1316-12/SS 316 Ti 3m (10'-1")	2-1/2" x 9/16"	SS	1	12.5
3424488	1316-12/SS 316 Ti 3m (10'-1") VIP	2-1/2" x 9/16"	SS	12	12.5

Item #	Description	Slot Configuration	Finish	Package Qty.	Weight/Piece (lbs)
3424493	1316-14/PG 10'	2-1/2" x 9/16"	PG	1	8.7
3424494	1316-14/PG 10' VIP	2-1/2" x 9/16"	PG	50	8.7
3424495	1316-14/PG 20'	2-1/2" x 9/16"	PG	1	17.4
3424496	1316-14/PG 20' VIP	2-1/2" x 9/16"	PG	50	17.4
3424491	1316-14/PG 10' SOLID	Solid	PG	1	9.7
3424492	1316-14/PG 10' SOLID VIP	Solid	PG	50	9.7
3422497	1316-14/GR E-COAT 10'	2-1/2" x 9/16"	EC	1	8.7
3422498	1316-14/GR E-COAT 10' VIP	2-1/2" x 9/16"	EC	50	8.7

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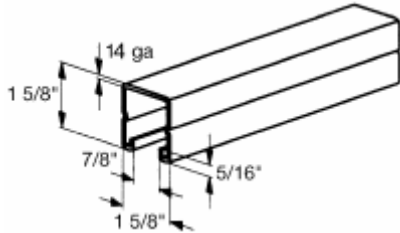
1-5/8" - 12 Gauge



Item #	Description	Slot Configuration	Finish	Package Qty.	Weight/Piece (lbs)
3424499	158-12/PG 10' SOLID	Solid	PG	1	18.5
3424500	158-12/PG 10' SOLID VIP	Solid	PG	50	18.5
3424501	158-12/PG 20' SOLID	Solid	PG	1	37
3424502	158-12/PG 20' SOLID VIP	Solid	PG	50	37
3424503	158-12/PG 2'	2-1/2" x 9/16"	PG	1	3.6
3424504	158-12/PG 2' VIP	2-1/2" x 9/16"	PG	50	3.6
3424505	158-12/PG 4'	2-1/2" x 9/16"	PG	1	7.2
3424506	158-12/PG 4' VIP	2-1/2" x 9/16"	PG	50	7.2
3424507	158-12/PG 6'	2-1/2" x 9/16"	PG	1	10.8
3424508	158-12/PG 6' VIP	2-1/2" x 9/16"	PG	50	10.8
3424509	158-12/PG 6'-8"	2-1/2" x 9/16"	PG	1	12
3424510	158-12/PG 6'-8" VIP	2-1/2" x 9/16"	PG	50	12
3424511	158-12/PG 10'	2-1/2" x 9/16"	PG	1	18
3424512	158-12/PG 10' VIP	2-1/2" x 9/16"	PG	50	18
3424513	158-12/PG 20'	2-1/2" x 9/16"	PG	1	36
3424514	158-12/PG 20' VIP	2-1/2" x 9/16"	PG	50	36
3424519	158-12/PG 10' 11/16" Slot	2-5/8" x 11/16"	PG	1	18
3424520	158-12/PG 10' 11/16" Slot VIP	2-5/8" x 11/16"	PG	50	18
3424521	158-12/HDG 10'	2-1/2" x 9/16"	HDG	1	18
3424522	158-12/HDG 10' VIP	2-1/2" x 9/16"	HDG	50	18
3424523	158-12/GR /E-COAT 10'	2-1/2" x 9/16"	EC	1	18
3424524	158-12/GR E-COAT 10' VIP	2-1/2" x 9/16"	EC	50	18
3424525	158-12/GR E-COAT 20'	2-1/2" x 9/16"	EC	1	36
3424526	158-12/GR E-COAT 20' VIP	2-1/2" x 9/16"	EC	50	36
3424527	158-12/SS 316 Ti 3m (10'-1")	2-1/2" x 9/16"	SS	1	18.5
3424528	158-12/SS 316 Ti 3m (10'-1") VIP	2-1/2" x 9/16"	SS	12	18.5

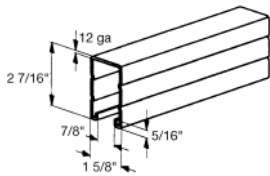
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1-5/8" - 14 Gauge



Item #	Description	Slot Configuration	Finish	Package Qty.	Weight/Piece (lbs)
3424531	158-14/PG 10'	2-1/2" x 9/16"	PG	1	13.6
3424532	158-14/PG 10' VIP	2-1/2" x 9/16"	PG	50	13.6
3424533	158-14/PG 20'	2-1/2" x 9/16"	PG	1	27.2
3424534	158-14/PG 20' VIP	2-1/2" x 9/16"	PG	50	27.2
3428084	158-14/PG 10' SOLID	Solid	PG	1	14.5
3428085	158-14/PG 10' SOLID VIP	Solid	PG	50	14.5

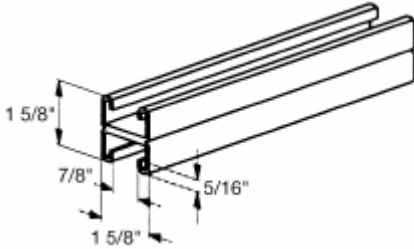
2-7/16" - 12 Gauge



	Description	Slot Configuration	Finish	Package Qty.	Weight/Piece (lbs)
3424535	2716-12/PG 10'	2-1/2" x 9/16"	PG	1	24.5
3424536	2716-12/PG 10' VIP	2-1/2" x 9/16"	PG	40	24.5
3424537	2716-12/PG 20'	2-1/2" x 9/16"	PG	1	49
3424538	2716-12/PG 20' VIP	2-1/2" x 9/16"	PG	40	49
3424086	2716-12/PG 20' 11/16" SLOT	2-5/8" x 11/16"	PG	1	49

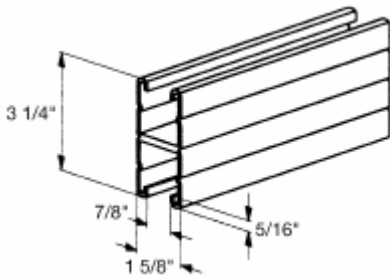
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13/16" Back to back - 12 Gauge



Item #	Description	Slot Configuration	Finish	Package Qty.	Weight/Piece (lbs)
3424489	1316-12/PG 3m (10'-1") B2B	1-9/16" X 9/16"	PG	1	23.6
3424490	1316-12/PG 3m (10'-1") B2B VIP	1-9/16" X 9/16"	PG	25	23.6

1-5/8" Back to back - 12 Gauge



Item #	Description	Slot Configuration	Finish	Package Qty.	Weight/Piece (lbs)
3424515	158-12/PG 3m (10'-1") B2B	1-9/16" X 9/16"	PG	1	36.8
3424516	158-12/PG 3m (10'-1") B2B VIP	1-9/16" X 9/16"	PG	25	36.8
3424517	158-12/PG 6m (19'-11") B2B	1-9/16" X 9/16"	PG	1	72.7
3424518	158-12/PG 6m (19'-11") B2B VIP	1-9/16" X 9/16"	PG	25	72.7
3424529	158-12/SS 316 Ti 3m (10'-1") B2B	1-9/16" X 9/16"	SS	1	36.8
3424530	158-12/SS 316 Ti 3m (10'-1") B2B VIP	1-9/16" X 9/16"	SS	6	36.8

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