

HDUE

HDUE Heavy Duty Holdown

SIMPSON
Strong-Tie

**New design
delivers higher
loads, faster
installation**

Designed for shear walls in timber structures where holdowns with greater capacities and improved stiffness are required

Simpson Strong-Tie offers a wide variety of holdown devices engineered and tested to perform, and manufactured to the highest quality standards. The HDUE has been designed to closely align with our industry leading HDU they are replacing for both physical overall dimension and capacities. The HDUE provides exceptional overturning resistance for shearwalls, braced wall panels and other lateral force-resisting applications in wood construction.

Material

- HDUE9-SDS3.5 Carbon Steel 2.5mm thick
- HDUE13-SDS3.5 Carbon Steel 2.5mm thick
- HDUE17-SDS4.5 Carbon Steel 3.5mm thick

Finish

- Z275 Galvanised

Corrosion Resistance Level
LOW

SCAN FOR MORE INFORMATION

Australia

New Zealand



Features & Benefits

- Pre-deflected seat and tension screws greatly improves stiffness and reduce deflection under load.
- Angled fastening engages the screws in tension for higher load capacity, reducing the number of screws required.
- Angled fastening tabs help drive fastener at a 45° angle, and offset holes on the second back plate block the fastener from being driven straight.
- Overlapping back plate increases fastener strength and shear values, helping prevent studs splitting.
- Optimized screw patterns reduce splitting at the stud ends and maximize individual fastener capacity.
- Installs with Strong-Drive SDS Heavy-Duty Connector screws.

Applications

- Designed for use in shearwalls and braced wall panels, as well as other lateral force resisting applications in residential and commercial wood construction.
- HDUE is suited for retrofit or new construction projects.



HDUE9-SDS3.5 HDUE13-SDS3.5 HDUE17-SDS4.5

Simpson Strong-Tie® Australia
Call **1300 STRONGTIE** (1300 787 664)
www.strongtie.com.au

Simpson Strong-Tie® New Zealand
Call **09 477 4440**
www.strongtie.co.nz

Simpson Strong-Tie Limited Warranty: For the Limited Warranty that applies to Simpson Strong-Tie products, please consult www.strongtie.com.au/warranty or www.strongtie.co.nz/warranty. To obtain a copy of the Limited Warranty, contact us at info.au@strongtie.com or info.nz@strongtie.com, or at the number provided here. The Limited Warranty contains important disclaimers, limitations and exclusions, and applies only if the products have been properly specified, installed, maintained, and used in accordance with the design limits and the structural, technical, and environmental specifications in the Simpson Strong-Tie Documentation. All future purchases of Simpson Strong-Tie products are subject to the terms of the Limited Warranty in effect as of the purchase date.

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Installation Steps

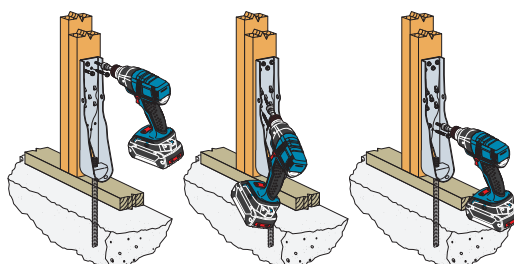
Step 1

Install the correct size cast-in-place threaded rod anchor at the required embedment depth as specified by the engineer using EP-XP Extreme Performance Pure Epoxy Chemical Anchor. Let the Epoxy cure as per the curing schedule. Place the HDUE holdown and crescent washer over the anchor. Install anchor nut until finger tight.



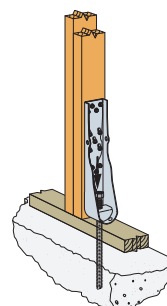
Step 2

Install at least one perpendicular Strong-Drive SDS Heavy-Duty Connector Screw (included) into the wood member to set the holdown (using a low-speed high-torque driver with a 3/8" hex-head driver). Install the remaining screws, including both perpendicular and angled screws, into all holes (both round and tabbed) in the wood member.



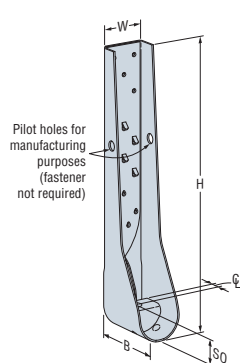
Step 3

- Finish tightening the anchor bolt nut. The nut should be tightened another 1/4 to 1/2 a turn more with a hand wrench. Care should be taken not to over-tighten the nut.



Product Information

Model No.	Product Includes	Size W x H x B x CL x SO (mm)	Anchor Hole Dia. (mm)	Individual Barcode	Carton Qty	Carton Barcode	Weight ea (kg)	Carton Dim. (W x L x H) and weight
HDUE9-SDS3.5	(16) 6.4 x 90mm & (1) Crescent Washer	76 x 442 x 110 x 37 x 38mm	22	707392032014	6	10707392032011	2.8	200 x 520 x 170mm, 16.6kg
HDUE13-SDS3.5	(23) 6.4 x 90mm & (1) Crescent Washer (Also includes an imperial nut, but not suitable for use in AU/NZ)	76 x 586 x 109 x 37 x 38mm	26	707392032038	4	10707392032035	3.2	175 x 720 x 130mm, 13.4kg
HDUE17-SDS4.5	(28) 6.4 x 114mm & (1) Aluminium Washer	76 x 708 x 132 x 49 x 38mm	26	707392032052	2	10707392032059	6.0	175 x 720 x 130mm, 11.9kg



Dimensions



Included Accessories (no anchors included)



Cartons

Accessories



EP-XP Extreme Performance Pure Epoxy
Chemical Anchor (Includes 1 Nozzle)



DT585 Dispenser
(585ml)



MNXP-RP10 Replacement
Nozzles (10 Pack)

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