New

HWDC Head-of-Wall Drift-Clip Connector

This product is preferable to similar connectors because of a) easier installation, b) higher loads, c) lower installed cost, or a combination of these features.

Made for Versatility, with Proven Strength and Stiffness

The head-of-wall drift-clip connector (HWDC) is used to secure the head of a wall to the bottom of a slab or beam. The unique design allows anchor screws to be installed closer to the bend, providing a stronger and stiffer connection while also allowing horizontal and vertical movement during seismic and high-wind events. HWDC5.25 provides anchorage location options with a third slot providing a solution for clips overhanging beam flanges.

HWDC connectors are an optimal solution for adding strength to window or door jambs at head-of-wall connections. Tested load values are provided for anchorage to steel and concrete.

Features

- Accommodates 1" of lateral drift in each direction, and 1" of upward and downward vertical deflection
- Unique design and placement of the anchorage slots allows for closer attachment of anchorage to the clip bend, providing increased load capacity
- The HWDC5.25 clip has three slots located at the anchorage leg allowing for attachment at the outer slots (anchorage pattern — centered) for maximum capacity or anchorage to the adjacent slots (anchorage pattern — off center) for walls that overhang the edge-angle or beam-edge
- Stiffening ribs are placed in between anchorage slots through the bend to provide additional strength and stiffness
- Simpson Strong-Tie® No-Equal® stamps mark the center of the slots to help ensure proper shouldered screw and anchor placement

Material

97 mil (12 ga.), 50 ksi

Coating

Galvanized (G90)

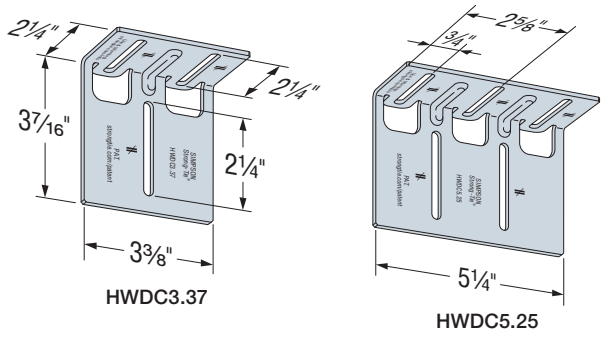
Installation

- Use the specified type and number of fasteners and anchors.
- In the vertical slots, use the specified number of #14 shoulder screws (included) for attachment to the stud. Install screws to align with No-Equal stamp.
- For attachment to steel support, use Simpson Strong-Tie Strong Drive® XL Large-Head Metal Screws (XLQ114B1224). Use two screws centered in horizontal slot. Install screws to align with the No-Equal stamp and then back out one half-turn.
- For attachment to concrete support, use a Titen Turbo™ screw anchor. Use two screws centered in each horizontal slot. Install screws to align with the No Equal stamp and back out half-turn.

Ordering Information

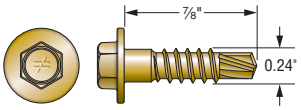
HWDC5.25-KT25, HWDC3.37-KT25
(55) XLSH78B1414 shoulder screws are provided with each order
Replacement #14 shoulder screws for the HWDC are XLSH78B1414-RP83

Installation of the HWDC Head-of-Wall Drift-Clip Connector

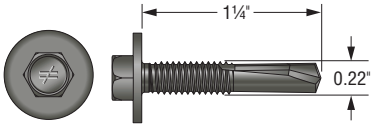


HWDC3.37 HWDC5.25

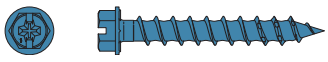
US Patent Pending



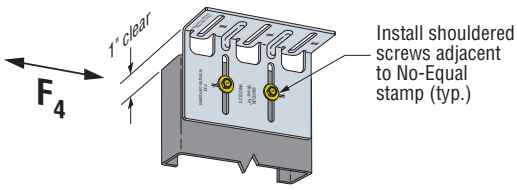
XLSH78B1414 #14 Shouldered Screw for Attachment to Stud Framing (included)



XLQ114B1224 Screw for Anchorage to Steel Support (sold separately)

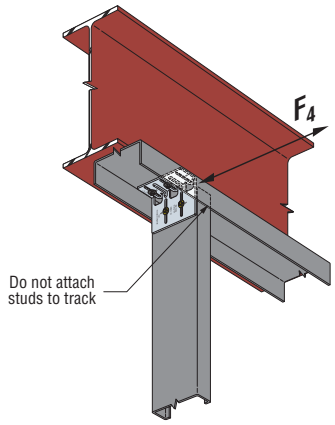


TNT25134H Screw Anchor for Anchorage to Concrete (sold separately)

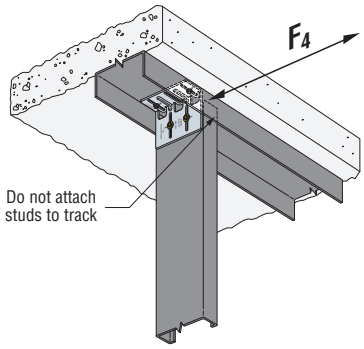


HWDC5.25 Installation with Two Shouldered Screws
(HWDC3.37 similar, only one shoulder screw required)

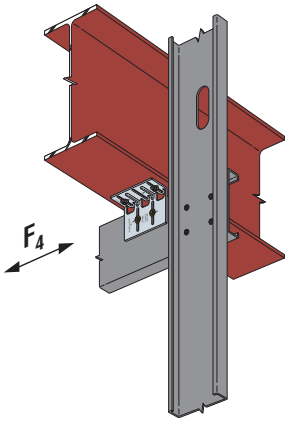
HWDC Head-of-Wall Drift-Clip Connector



Typical HWDC Installation at Stud to Steel Beam



Typical HWDC Installation at Stud to Concrete



Typical HWDC Installation with Stud Strut

HWDC Allowable Connector Loads

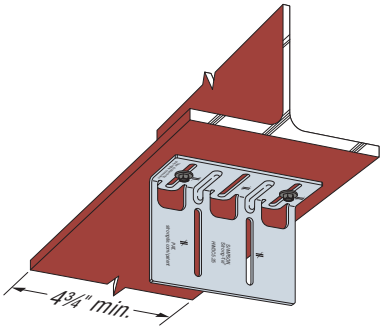
Model No.	No. of #14 Shoulder Screws to Stud	Anchorage Pattern	Allowable Load, F_4 (lb.)		
			Stud Thickness		
			33 mil (20 ga.)	43 mil (18 ga.)	54 mil (16 ga.)
HWDC3.37	1	—	315	410	580
HWDC5.25	2	Center	390	785	1,110
		Off Center	390	590	770

1. For General Information and Notes, see p. 22 of the *Connectors for Cold-Formed Steel Construction* catalog at **strongtie.com**.
2. HWDC allowable connector loads are also limited by the HWDC allowable anchorage loads below. Use the minimum tabulated values from the connector and anchorage load tables as applicable.
3. See the illustration for shouldered screw fastener placement to stud framing.
4. The published allowable load is the lower of the tested ultimate with a safety factor, load at ⅛" deflection or the fastener calculation limits.

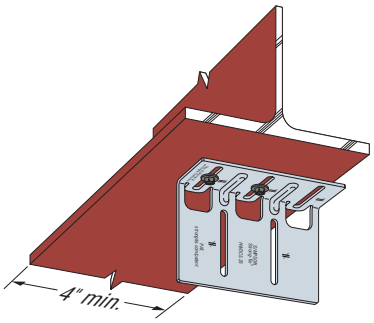
HWDC Allowable Anchorage Loads

Model No.	Anchorage Type	Minimum Base Material	Number of Anchors (Anchorage Pattern)	Allowable Load F_4 (lb.)
HWDC3.37	#12-24 self-drilling screws ⅝" Washer Diameter Min. (XLQ114B1224)	A36 Steel ¾₁₆" thick	2	610
	Simpson Strong-Tie® ¼" x 1¾" Titen Turbo™ screw anchor (TNT25134H)	Concrete f'_c = 2,500 psi	2	340
HWDC5.25	#12-24 self-drilling screws ⅝" Washer Diameter Min. (XLQ114B1224)	A36 Steel ¾₁₆" thick	2 (Center)	1,440
			2 (Off Center)	1,150
	Simpson Strong-Tie ¼" x 1¾" Titen Turbo™ screw anchor (TNT25134H)	Concrete f'_c = 2,500 psi	2 (Center)	340
			2 (Off Center)	530

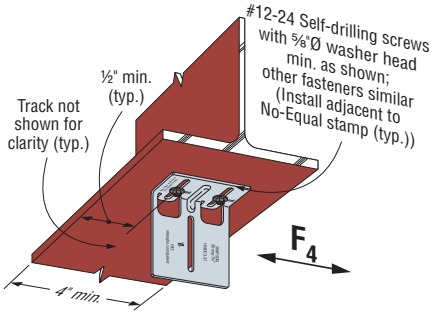
1. For General Information and Notes, see p. 22 of the *Connectors for Cold-Formed Steel Construction* catalog at **strongtie.com**.
2. Allowable loads are for clip anchorage only. The capacity of the connection system will be the minimum of the tabulated value and the HWDC allowable connector load table above.
3. Tabulated values require a minimum 1¼" and 2⅝" end distance for center and off-center anchorage pattern, respectively, for masonry screws in concrete.
4. See the illustration for anchorage pattern to base material.



HWDC5.25 Anchor Layout: Two Anchors
(anchorage pattern — center)



HWDC5.25 Anchor Layout: Two Anchors
(anchorage pattern — off center)



HWDC3.37 Anchor Layout

This flier is effective until December 31, 2022, and reflects information available as of December 1, 2020.
This information is updated periodically and should not be relied upon after December 31, 2022.
Contact Simpson Strong-Tie for current information and limited warranty or see strongtie.com.

(800) 999-5099
strongtie.com