Strong-Drive®
SDWH TIMBER-HEX HDG Screw

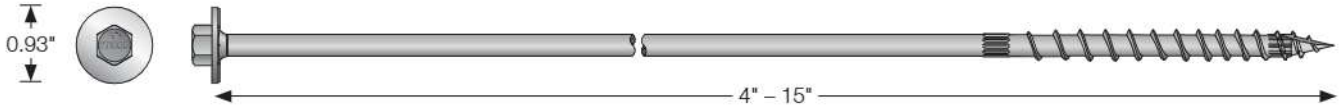
Structural Wood-to-Wood Connections, Indoor/Outdoor Projects, Applications Requiring High to Severe Corrosion Resistance

The Strong-Drive line of structural screws includes a 0.276"-diameter ASTM A153, Class C hot-dip galvanized screw suitable for heavy-duty marine and coastal applications. The SDWH Timber-Hex HDG screw has a SawTooth® point and oversized integral washer that makes for fast installations; no predrilling or separate washer needed.

Codes/Standards: IAPMO UES ER-192 (including City of LA Supplement), State of Florida FL13975

US Patent 9,523,383

For more information, see p. 63, C-F-2023 *Fastening Systems* catalog



SDWH Timber-Hex HDG Screw — Allowable Single Shear and Withdrawal Loads

Length (in.)	Model No.	Thread Length (in.)	Reference Allowable Shear Loads (lb.)						Reference Allowable Withdrawal Loads, W (lb./in.)			Max. Withdrawal Loads, W_{max} (lb.)		
			Wood Side Member Thickness (in.)											
			SP		DFL		SPF/HF		SP	DFL	SPF/HF	SP	DFL	SPF/HF
			1.5	3	1.5	3	1.5	3						
4	SDWH27400G	3	505	—	440	—	400	—	287	255	212	860	765	635
6	SDWH27600G	3	505	545	440	545	400	450						
8	SDWH27800G	3	570	675	430	675	430	595						
10	SDWH271000G	3	570	675	430	675	430	595						
12	SDWH271200G	3	570	675	430	675	430	595						
15	SDWH271500G	3	570	675	430	675	430	595						

1. All shear loads are based on full penetration into the main member. Full penetration is the screw length minus the side member thickness.
2. Allowable loads are shown at the wood load duration factor of C_D = 1.0. Loads may be increased for load duration per the building code up to a C_D = 1.6. Tabulated values must be multiplied by all applicable adjustment factors per the NDS.
3. For in-service moisture content greater than 19%: withdrawal C_M = 0.65; shear C_M = 0.70.
4. For minimum fastener spacing requirements for both side and main members, see the Spacing Requirements Figure and Table on next page.
5. Tabulated loads are for both parallel- and perpendicular-to-grain loading.
6. Maximum withdrawal loads are based on full thread length penetration in the main member.
7. SDWH271500G is not included in IAPMO UES-ER-192.

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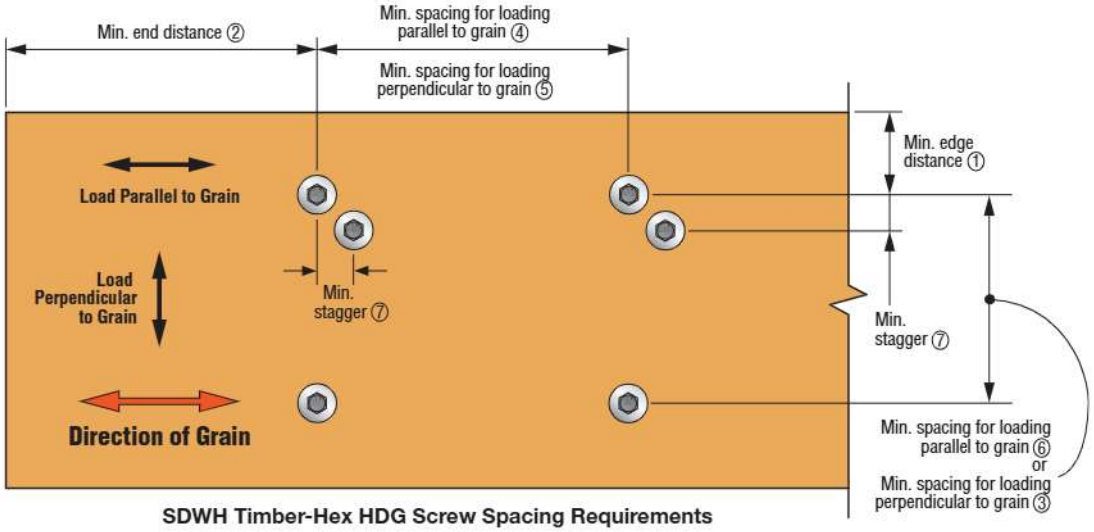
SDWH TIMBER-HEX HDG Screw (cont.)



SDWH Timber-Hex HDG Screw Spacing Requirements

SDWH Timber-Hex HDG Screw Spacing Requirements

Condition	Direction of Load to Grain	ID	Minimum Distance or Spacing (in.)
Edge Distance	Perpendicular	①	1 7/16
	Parallel	①	1½
End Distance	Perpendicular	②	6
	Parallel	②	8
Spacing Between Fasteners in a Row	Perpendicular	③	4
	Parallel	④	8[1]
Spacing Between Rows of Fasteners	Perpendicular	⑤	4[2]
	Parallel	⑥	4[2]
Spacing Between Staggered Rows	Perpendicular or Parallel	⑦	5/8[3]

1. Table loads must be multiplied by adjustment factor of 0.80.
2. Table loads must be multiplied by adjustment factor of 0.89.
3. Table loads must be multiplied by adjustment factor of 0.78.
4. For axial loading only, use the following minimum dimensions: end distance = 4", edge distance = 1⅝", spacing parallel to grain = 2⅞", spacing perpendicular to grain = 2".