



PowerLags®



FOR STRUCTURAL WOOD-TO-WOOD CONNECTIONS AND HEAVY CARPENTRY

SPAX® PowerLags® offer an unparalleled level of fastening efficiency, reliability and value for structural wood assemblies. Available in two head styles, four diameters and a wide selection of lengths, you can be assured of having the right fastener for ledgerboards, rimboards, post attachments and multi-ply connections.

PRODUCT FEATURES

- › ICC-ES Code Recognized for structural wood-to-wood connections
- › Largest selection of diameters and lengths in the industry
- › Patented thread technology requires up to 40% less driving torque
- › Built-on washer head design requires no separate washer
- › No pre-drilling
- › Faster, easier installation



NO SEPARATE WASHER REQUIRED

Built-on washer head design eliminates the need and cost of a separate washer.

APPROVED FOR TREATED LUMBER

HCR® Coating is ICC-ES Code Recognized for use in treated lumber and exterior exposure condition 3 (general construction).

RELIABLE CONNECTIONS

Heat treated to Grade 5 durability.

NO PRE-DRILLING

Patented thread serrations eliminate need for pre-drilling and reduce required driving torque by up to 40% for faster, easier installation.



HEX WASHER HEAD

Provides maximum driver engagement, especially when using larger diameter/longer length parts in harder wood species.



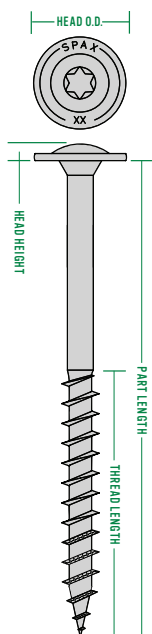
T-STAR WASHER HEAD

Offers a low-profile option for outstanding clamping force with improved aesthetics.



TER No. I711-01
Deck Ledger Attachment

TER No. I802-03
Multi-ply: LVL Beam and
Girder Truss Application



T-STAR WASHER HEAD POWERLAGS®

PRODUCT SELECTION & SPECIFICATIONS

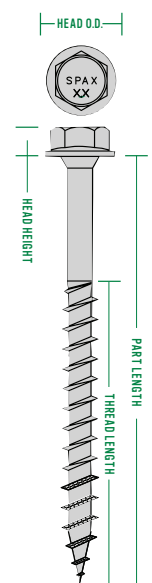
DIA. & LENGTH	COATING*	DRIVE BIT	THREAD LENGTH	HEAD HEIGHT	HEAD O.D.	PKG. QTY.	PART NO.
1/4" x 2-1/2"	HCR	T-30	1.375"	0.097"	0.697"	50	4581820700635
1/4" x 3"	HCR	T-30	1.790"	0.097"	0.697"	50	4581820700765
1/4" x 3-1/2"	HCR	T-30	1.960"	0.097"	0.697"	50	4581820700905
1/4" x 4"	HCR	T-30	2.375"	0.097"	0.697"	50	4581820701005
1/4" x 4-1/2"	HCR	T-30	2.375"	0.097"	0.697"	50	4581820701555
1/4" x 5"	HCR	T-30	2.375"	0.097"	0.697"	50	4581820701275
1/4" x 6"	HCR	T-30	2.375"	0.097"	0.697"	50	4581820701525
5/16" x 3"	HCR	T-40	1.650"	0.140"	0.776"	50	4581820800765
5/16" x 3-1/2"	HCR	T-40	2.050"	0.140"	0.776"	50	4581820800905
5/16" x 4"	HCR	T-40	2.375"	0.140"	0.776"	50	4581820801005
5/16" x 4-1/2"	HCR	T-40	2.375"	0.140"	0.776"	50	4581820801155
5/16" x 5"	HCR	T-40	2.375"	0.140"	0.776"	50	4581820801275
5/16" x 6"	HCR	T-40	2.375"	0.140"	0.776"	50	4581820801525
5/16" x 8"	HCR	T-40	2.375"	0.140"	0.776"	50	4581820802035
5/16" x 10"	HCR	T-40	2.375"	0.140"	0.776"	25	4581820802545
5/16" x 12"	HCR	T-40	2.375"	0.140"	0.776"	25	4581820803045
3/8" x 5"	HCR	T-50	3.105"	0.155"	0.970"	25	4581821001275
3/8" x 6"	HCR	T-50	3.105"	0.155"	0.970"	25	4581821001525

DRIVE BIT	PKG. QTY.	PART NO.
T-30	10	5000002016309
T-40	10	5000002016409
T-50	10	5000002016509

SPAX HCR (High Corrosion Resistance) Coating is code recognized for use in treated lumber and exterior applications in wood.

NOTE: Available in Bulk Pail quantities. Contact your PrimeSource Distribution Center for details.

NEW LENGTHS



HEX WASHER HEAD POWERLAGS®

PRODUCT SELECTION & SPECIFICATIONS

DIA. & LENGTH	COATING*	HEX	THREAD LENGTH	HEAD HEIGHT	HEAD O.D.	PKG. QTY.	PART NO.
1/4" x 2"	HCR	3/8"	1.770"	0.200"	0.545"	50	4571820700505
1/4" x 3"	HCR	3/8"	2.360"	0.200"	0.545"	50	4571820700755
1/4" x 6"	HCR	3/8"	2.375"	0.200"	0.545"	50	4571820701525
5/16" x 3"	HCR	7/16"	2.360"	0.250"	0.590"	50	4571820800755
5/16" x 3-1/2"	HCR	7/16"	2.993"	0.250"	0.590"	50	4571820800905
5/16" x 4"	HCR	7/16"	2.993"	0.250"	0.590"	50	4571820801005
5/16" x 5"	HCR	7/16"	2.375"	0.250"	0.590"	50	4571820801275
3/8" x 5"	HCR	1/2"	3.105"	0.310"	0.750"	25	4571821001275
3/8" x 6"	HCR	1/2"	3.105"	0.310"	0.750"	25	4571821001525
1/2" x 5"	HCR	5/8"	3.150"	0.400"	0.860"	25	4571821201275
1/2" x 6"	HCR	5/8"	3.150"	0.400"	0.860"	25	4571821201525

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NEW LENGTH

PERFORMANCE SPECIFICATIONS Per ICC-ES Report No. ESR-1782

ALLOWABLE STEEL STRENGTH			ALLOWABLE WITHDRAWAL (W) AND HEAD PULL-THROUGH (P) DESIGN VALUES ^{1,2,3,4,5}								
DIAMETER	TENSILE STRENGTH (lbs.)	SHEAR STRENGTH (lbs.)	SOUTHERN PINE			DOUGLAS-FIR			HEM-FIR & SPRUCE-PINE-FIR		
			WITHDRAWAL (lbs./in.)	HEAD PULL-THROUGH (lbs.) HEX HEAD	T-STAR HEAD	WITHDRAWAL (lbs./in.)	HEAD PULL-THROUGH (lbs.) HEX HEAD	T-STAR HEAD	WITHDRAWAL (lbs./in.)	HEAD PULL-THROUGH (lbs.) HEX HEAD	T-STAR HEAD
1/4"	1,169	766	278	559	679	255	483	608	212	376	456
5/16"	1,459	920	295	602	770	259	495	676	210	376	544
3/8"	2,402	1,435	361	787	997	317	643	869	254	484	699
1/2"	3,404	2,394	392	946	-	345	807	-	279	627	-

1 Main and side member must be wood having a minimum specific gravity of 0.55 for Southern Pine, 0.50 for Douglas-Fir, and 0.43 for Hem-Fir and Spruce-Pine-Fir.

2 Reference withdrawal and head pull-through design values must be multiplied by all applicable adjustment factors in accordance with Section 10.3 of the NDS.

3 Reference withdrawal design values are to be multiplied by the length of thread penetration into the side grain of the main member. Length includes tip.

4 Values for withdrawal design values are from the main member, and head pull-through design values are based on a minimum 1-1/2" side member thickness.

5 Reference head pull-through design values are based on the lesser value for Hex Washer Head or T-Star Washer Head styles.

NOTE: When comparing published performance data of comparable structural fasteners, one should pay close attention that the load capacities are shown as either "allowable" or "ultimate" values to ensure an accurate comparison. For your convenience, the performance specifications listed in the chart above are the "allowable load" that can be applied to determine the acceptable working load for the respective diameter SPAX PowerLag. These values are calculated by applying a safety factor to the "average ultimate load capacity" obtained from laboratory testing.



SINCE 1823

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