

PRODUCT SUBMITTAL

Submitted to:

Project:

Date of Submittal:

Submitted by, Contact name:

Company:

Address:

Phone:

Email:

Approved

Approved as Noted

Not Approved

Comments:

By:

Date:

List of items from Table A submitted for the project:

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Product Family: DHF - Self-Drilling Hex Washer Head Fine Thread

TABLE A

Item Number	Screw Size (#)	Length (in.)	Head Style	Head/Washer Diameter (in.)	TPI	Point Size/Style	Coating	Maximum Total Drilling Thickness (in.)	Drive Type	Bulk/Collated Quantity	Special Features
08050H3	8	1/2	Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	10,000	
H08050H3	8	1/2	High Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	10,000	
08058H3	8	5/8	Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	10,000	
H08058H3	8	5/8	High Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	10,000	
08075H3	8	3/4	Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	10,000	
H08075H3	8	3/4	High Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	10,000	
08100H3	8	1	Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	7,500	
H08100H3	8	1	High Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	7,500	
08125H3	8	1-1/4	Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	5,000	
H08125H3	8	1-1/4	High Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	5,000	
08200H3	8	2	Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	3,000	
H08200H3	8	2	High Hex Washer	0.335	18	3	Clear Zinc	0.140	1/4-in Hex	3,000	
10050H3	10	1/2	Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	7,500	Underhead Serrations
H10050H3	10	1/2	High Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	7,500	
10058H3	10	5/8	Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	7,500	Underhead Serrations
H10058H3	10	5/8	High Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	7,500	
10075H3	10	3/4	Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	5,000	Underhead Serrations
H10075H3	10	3/4	High Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	5,000	
10100H3	10	1	Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	5,000	Underhead Serrations
H10100H3	10	1	High Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	5,000	
10200H3	10	2	Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	3,000	Underhead Serrations
H10200H3	10	2	High Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	3,000	
10300H3	10	3	Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	1,000	Underhead Serrations
H10300H3	10	3	High Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	1,000	
10125H3	10	1-1/4	Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	3,500	Underhead Serrations
H10125H3	10	1-1/4	High Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	3,500	
10150H3	10	1-1/2	Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	3,500	Underhead Serrations
H10150H3	10	1-1/2	High Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	3,500	
10200H3	10	2	Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	3,000	
H10200H3	10	2	High Hex Washer	0.399	16	3	Clear Zinc	0.175	5/16-in Hex	3,000	
12075H3	12	3/4	Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	5,000	
H12075H3	12	3/4	High Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	5,000	
122478H4	12	7/8	Hex Washer	0.415	24	4	Clear Zinc	0.250	5/16-in Hex	4,000	
H122478H4	12	7/8	High Hex Washer	0.415	24	4	Clear Zinc	0.250	5/16-in Hex	4,000	
12125H3	12	1-1/4	Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	3,500	
H12125H3	12	1-1/4	High Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	3,500	
12125H3W	12	1-1/4	Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	3,500	EPDM Washer
H12125H4	12	1-1/4	Hex Washer	0.415	24	4	Clear Zinc	0.250	5/16-in Hex	3,000	
1224125H5	12	1-1/4	Hex Washer	0.415	24	5	Clear Zinc	0.500	5/16-in Hex	3,000	
H1224125H5SL	12	1-1/4	Hex Washer	0.415	24	5	Clear Zinc	0.500	5/16-in Hex	3,000	Slotted Shank
12125H3	12	1-1/4	High Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	3,500	
H12125H4	12	1-1/4	High Hex Washer	0.415	24	4	Clear Zinc	0.250	5/16-in Hex	3,000	
12150H3	12	1-1/2	Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	2,500	
H12150H3	12	1-1/2	High Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	2,500	
12150H3W	12	1-1/2	Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	2,500	EPDM Washer
H12150H4	12	1-1/2	Hex Washer	0.415	24	4	Clear Zinc	0.250	5/16-in Hex	2,500	
1224150H5SL	12	1-1/2	Hex Washer	0.415	24	5	Clear Zinc	0.500	5/16-in Hex	2,500	Slotted Shank
H12150H3	12	1-1/2	High Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	2,500	
H1224150H4	12	1-1/2	High Hex Washer	0.415	24	4	Clear Zinc	0.250	5/16-in Hex	2,500	
1224200H4	12	2	Hex Washer	0.415	24	4	Clear Zinc	0.250	5/16-in Hex	2,000	
H1224200H4	12	2	High Hex Washer	0.415	24	4	Clear Zinc	0.250	5/16-in Hex	2,000	
1224200H5SL	12	2	Hex Washer	0.415	24	5	Clear Zinc	0.500	5/16-in Hex	1,000	Slotted Shank
H12200H3	12	2	High Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	2,000	
12250H3	12	2-1/2	Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	2,000	
H12250H3	12	2-1/2	High Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	2,000	
12350H3	12	3-1/2	Hex Washer	0.415	14	3	Clear Zinc	0.210	5/16-in Hex	1,000	
14075H3	14	3/4	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	5,000	
H14075H3	14	3/4	High Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	5,000	
14078H3W	14	7/8	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	1,000	EPDM Washer
H14100H3	14	1	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	3,500	
14100H3W	14	1	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	3,500	EPDM Washer
14125H3	14	1-1/4	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	2,000	
H14150H3	14	1-1/2	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	2,000	
14150H3W	14	1-1/2	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	2,000	EPDM Washer
14200H3	14	2	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	1,500	
H14250H3	14	2-1/2	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	1,000	
14300H3	14	3	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	1,000	
H14400H3	14	4	Hex Washer	0.500	14	3	Clear Zinc	0.220	3/8-in Hex	1,000	
14400H4	14	4	Hex Washer	0.500	14	4	Clear Zinc	0.250	3/8-in Hex	500	
14500H4	14	5	Hex Washer	0.500	14	4	Clear Zinc	0.250	3/8-in Hex	500	
10075H35	10	3/4	Hex Washer	0.399	22	3.5	Yellow Zinc	0.210	5/16-in Hex	5,000	Underhead Serrations
10050H3RG	10	1/2	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	7,500	Underhead Serrations
10058H3RG	10	5/8	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	7,500	Underhead Serrations
10075H1RG	10	3/4	Hex Washer	0.399	16	1	GrabberGard®	0.175	5/16-in Hex	5,000	Underhead Serrations
10075H3RG	10	3/4	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	5,000	Underhead Serrations
10075H3WRG	10	3/4	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	5,000	EPDM Washer
10100H3RG	10	1	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	5,000	Underhead Serrations
10100H3WRG	10	1	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	5,000	EPDM Washer
10125H3RG	10	1-1/4	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	3,500	Underhead Serrations
10150H3RG	10	1-1/2	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	3,500	Underhead Serrations
10150H3WRG	10	1-1/2	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	2,000	EPDM Washer
10200H3RG	10	2	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	3,000	Underhead Serrations
10200H3WRG	10	2	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	3,000	EPDM Washer
10300H3WRG	10	3	Hex Washer	0.399	16	3	GrabberGard®	0.175	5/16-in Hex	1,000	EPDM Washer

Grabber screws manufactured in America are available as SPECIAL-ORDER INVENTORY. CONTACT GRABBER FOR CURRENT PRICE AND AVAILABILITY. For identification purposes, an "A" will added to the end of the item number and "Made in America" will be printed on the label.

(Continued on next page)

Prefixes: X = 1-lb, VB = 5-lb, BP = Blister Pack, H = High (taller) hex head.

Item Numbers with "W" indicate EPDM washer is included.

Product Family: DHF - Self-Drilling Hex Washer Head Fine Thread - Continued

TABLE A - Continued

Item Number	Screw Size (in.)	Length (in.)	Head Style	Head/Washer Diameter (in.)	TPI	Point Size/Style	Coating	Maximum Total Drilling Thickness (in.)	Drive Type	Bulk/Collated Quantity	Special Features
12075H3RG	12	3/4	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	5,000	
12075H3WRG	12	3/4	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	5,000	EPDM Washer
122478H4RG	12	7/8	Hex Washer	0.415	24	4	GrabberGard®	0.250	5/16-in Hex	4,000	
12100H3RG	12	1	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	3,500	
12100H3WRG	12	1	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	3,500	EPDM Washer
12125H3WRG	12	1-1/4	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	3,500	EPDM Washer
12125H3RG	12	1-1/4	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	3,500	
12125H4RG	12	1-1/4	Hex Washer	0.415	14	4	GrabberGard®	0.250	5/16-in Hex	3,500	
12125H5RG	12	1-1/4	Hex Washer	0.415	14	5	GrabberGard®	0.500	5/16-in Hex	3,500	
1224125H45RG	12	1-1/4	Hex Washer	0.415	24	4.5	GrabberGard®	0.250	5/16-in Hex	3,000	
1224125H5RG	12	1-1/4	Hex Washer	0.415	24	5	GrabberGard®	0.500	5/16-in Hex	2,000	
12150H3RG	12	1-1/2	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	2,500	
12150H3WRG	12	1-1/2	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	2,500	EPDM Washer
12150H5RG	12	1-1/2	Hex Washer	0.415	14	5	GrabberGard®	0.500	5/16-in Hex	2,500	
1224150H4RG	12	1-1/2	Hex Washer	0.415	24	4	GrabberGard®	0.250	5/16-in Hex	2,500	
1224150H5RG	12	1-1/2	Hex Washer	0.415	24	5	GrabberGard®	0.500	5/16-in Hex	2,500	Slotted Shank
H12200H4RG	12	2	High Hex Washer	0.415	14	4	GrabberGard®	0.210	5/16-in Hex	2,000	
12200H3RG	12	2	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	2,000	
12200H3WRG	12	2	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	2,000	EPDM Washer
1224200H4RG	12	2	Hex Washer	0.415	24	4	GrabberGard®	0.250	5/16-in Hex	2,000	
1224200H5RG	12	2	Hex Washer	0.415	24	5	GrabberGard®	0.500	5/16-in Hex	1,000	Slotted Shank
1224225H4RG	12	2-1/4	Hex Washer	0.415	24	4	GrabberGard®	0.500	5/16-in Hex	2,500	
12225H4RG	12	2-1/4	Hex Washer	0.415	14	4	GrabberGard®	0.250	5/16-in Hex	2,500	
12225H5RG	12	2-1/4	Hex Washer	0.415	14	5	GrabberGard®	0.500	5/16-in Hex	2,500	
1224250H5RG	12	2-1/2	Hex Washer	0.415	24	5	GrabberGard®	0.500	5/16-in Hex	2,000	Slotted Shank
12250H3RG	12	2-1/2	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	2,000	
12250H3WRG	12	2-1/2	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	1,500	EPDM Washer
1224300H4RG	12	3	Hex Washer	0.415	24	4	GrabberGard®	0.250	5/16-in Hex	1,000	
12300H3RG	12	3	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	1,000	
1224300H5RG	12	3	Hex Washer	0.415	24	5	GrabberGard®	0.500	5/16-in Hex	2,000	Slotted Shank
12350H3RG	12	3-1/2	Hex Washer	0.415	14	3	GrabberGard®	0.210	5/16-in Hex	1,000	
14075H3RG	14	3/4	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	3,500	
14148125H3RG	14	13/16	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	2,500	
14078H3WRG	14	7/8	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	1,000	EPDM Washer
14100H3RG	14	1	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	3,500	
14100H3WRG	14	1	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	2,500	EPDM Washer
14125H3RG	14	1-1/4	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	2,000	
14125H3WRG	14	1-1/4	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	2,000	EPDM Washer
14150H3RG	14	1-1/2	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	2,000	
14150H3WRG	14	1-1/2	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	2,000	EPDM Washer
1420150H5RG	14	1-1/2	Hex Washer	0.500	20	5	GrabberGard®	0.500	3/8-in Hex	2,000	Slotted Shank
14200H3RG	14	2	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	1,500	
14200H3WRG	14	2	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	1,500	EPDM Washer
14250H3RG	14	2-1/2	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	1,000	
14250H3WRG	14	2-1/2	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	1,000	EPDM Washer
14300H3RG	14	3	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	1,000	
14300H3WRG	14	3	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	1,000	EPDM Washer
1420300H5RG	14	3	Hex Washer	0.500	20	5	GrabberGard®	0.500	3/8-in Hex	1,000	Slotted Shank
1428300H5RG	14	3	Hex Washer	0.500	28	5	GrabberGard®	0.500	3/8-in Hex	1,000	
14350H3WRG	14	3-1/2	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	1,000	EPDM Washer
1428400H5RG	14	4	Hex Washer	0.500	28	5	GrabberGard®	0.500	3/8-in Hex	1,000	
14400H3WRG	14	4	Hex Washer	0.500	14	3	GrabberGard®	0.220	3/8-in Hex	1,000	EPDM Washer
1428500H5RG	14	5	Hex Washer	0.500	28	5	GrabberGard®	0.500	3/8-in Hex	500	
1428600H5RG	14	6	Hex Washer	0.500	28	5	GrabberGard®	0.500	3/8-in Hex	250	
1428800H5RG	14	8	Hex Washer	0.500	28	5	GrabberGard®	0.500	3/8-in Hex	150	
08050H3SS	8	1/2	Hex Washer	0.335	18	3	Stainless Steel	0.140	1/4-in Hex	10,000	
08075H3SS	8	3/4	Hex Washer	0.335	18	3	Stainless Steel	0.140	1/4-in Hex	10,000	
08100H3SS	8	1	Hex Washer	0.335	18	3	Stainless Steel	0.140	1/4-in Hex	7,000	
10050H3SS	10	1/2	Hex Washer	0.399	16	3	Stainless Steel	0.175	5/16-in Hex	7,500	Underhead Serrations
10075H3SS	10	3/4	Hex Washer	0.399	16	3	Stainless Steel	0.175	5/16-in Hex	5,000	Underhead Serrations
10075H3WSS	10	3/4	Hex Washer	0.399	16	3	Stainless Steel	0.175	5/16-in Hex	5,000	EPDM Washer
10100H3SS	10	1	Hex Washer	0.399	16	3	Stainless Steel	0.175	5/16-in Hex	5,000	Underhead Serrations
10200H3SS	10	2	Hex Washer	0.399	16	3	Stainless Steel	0.175	5/16-in Hex	3,000	Underhead Serrations
10150H3SS	10	1-1/2	Hex Washer	0.399	16	3	Stainless Steel	0.175	5/16-in Hex	3,500	Underhead Serrations
10150H3WSS	10	1-1/2	Hex Washer	0.399	16	3	Stainless Steel	0.175	5/16-in Hex	3,500	EPDM Washer
DHH1016112WSS	10	1-1/2	Hex Washer	0.399	16	3	Stainless Steel	0.175	5/16-in Hex	3,000	EPDM Washer
12075H3SS	12	3/4	Hex Washer	0.415	14	3	Stainless Steel	0.210	5/16-in Hex	5,000	
12075H3WSS	12	3/4	Hex Washer	0.415	14	3	Stainless Steel	0.210	5/16-in Hex	5,000	EPDM Washer
12100H3SS	12	1	Hex Washer	0.415	14	3	Stainless Steel	0.210	5/16-in Hex	3,500	
12100H3WSS	12	1	Hex Washer	0.415	14	3	Stainless Steel	0.210	5/16-in Hex	3,500	EPDM Washer
12125H3SS	12	1-1/4	Hex Washer	0.415	14	3	Stainless Steel	0.210	5/16-in Hex	2,500	
12150H3SS	12	1-1/2	Hex Washer	0.415	14	3	Stainless Steel	0.210	5/16-in Hex	2,500	
DHH1214112WSS	12	1-1/2	Hex Washer	0.415	14	3	Stainless Steel	0.210	5/16-in Hex	1,500	EPDM Washer
12200H3SS	12	2	Hex Washer	0.415	14	3	Stainless Steel	0.210	5/16-in Hex	2,000	
14100H3SS	14	1	Hex Washer	0.500	14	3	Stainless Steel	0.220	3/8-in Hex	2,000	
14150H3SS	14	1-1/2	Hex Washer	0.500	14	3	Stainless Steel	0.220	3/8-in Hex	2,000	
14125H3SS	14	1-1/4	Hex Washer	0.500	14	3	Stainless Steel	0.220	3/8-in Hex	2,000	

Grabber screws manufactured in America are available as SPECIAL-ORDER INVENTORY. CONTACT GRABBER FOR CURRENT PRICE AND AVAILABILITY. For identification purposes, an "A" will be added to the end of the item number and "Made in America" will be printed on the label.

Prefixes: X = 1-lb, VB = 5-lb, BP = Blister Pack, H = High (taller) hex head.

Item Numbers with "W" indicate EPDM washer is included.

Product Family: DHF - Self-Drilling Hex Washer Head Fine Thread - Continued

Description: Self-drilling Hex Washer head framing screw used in heavy-gauge (see TABLE A - Maximum Total Drilling Thickness) metal-to-metal applications. Self tapping drill point is designed for penetration into heavy-gauge metal. Hex head provides maximum driving torque with a flat bearing surface. Available with #3, #3.5, #4 and #5-point, with EPDM washers, and with high (taller) heads. Self-drilling Hex Washer head screws sizes 10 and larger are hydrogen embrittlement baked and tested.

Directions: For optimal performance, use a standard screwgun with an adjustable torque nose piece to prevent overdriving; very important. Use extra caution when installing with impact drivers. Recommended screwgun/driver specification include - Screw sizes #8 to #10, up to 2,500 RPM - Screw sizes #12 to #14, up to 1800 RPM. Follow tool manufacturer's recommendations. The Hex head is fully seated when the bearing surface of the head is flush with the work surface. The fastener must penetrate beyond the metal a minimum of three full threads.

Corrosion: For corrosion resistance results, see Table B.

Certifications: All GRABBER® screw products are manufactured in facilities that are ISO 9001 certified. DHF fasteners comply with ASTM C1513 requirements and specific fasteners are listed in ICC-ES ESR-1271: [CHECK REPORT](#)

Self-Drilling Screw Selection Guide

DRILL POINT SELECTION

Drill Flute (Point Length)
The length of the drill flute determines the metal thickness that can be drilled. The flute itself provides a channel for chip removal during drilling action. If it becomes completely embedded in material, drill chips will be trapped in the flute and cutting action will cease. This will cause the point to burn up or break.

Pilot Point Length
The un-threaded section from the point to the first thread should be long enough to assure the drilling action is complete before the first thread engages the drilled metal. Screw threads advance at a rate of up to ten times faster than the drill flute can remove metal. All drilling therefore should be complete before threads begin to form.

Drilling Through Wood To Metal
If your application calls for drilling through wood over 1/2-in. thick, a clearance hole is required. Select a fastener with break away wings for this type of job. The wings will ream a clearance hole and break-off when in contact with metal surface (minimum metal thickness .040-in.) to be drilled.

DHF - Self-Drilling Hex Washer Head Fine Thread

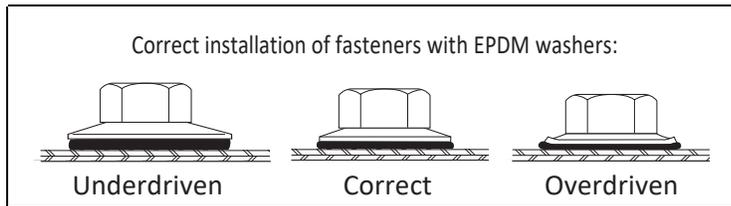
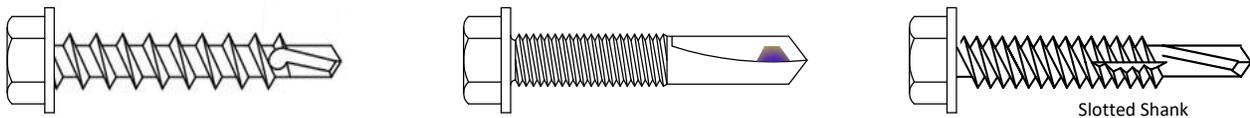


TABLE B

CORROSION RESISTANCE TESTING RESULTS			
Finish	Test	Standard/Protocol	Results (minimum)
Clear Zinc	Salt Spray	ASTM B117	12 hours, no red rust
(YZ) Yellow Zinc	Salt Spray	ASTM B117	24 hours, no red rust
(RG) GrabberGard®	Salt Spray	ASTM B117	1,000 hours, no red rust

NOTE: Salt Spray Testing (SST) results are not intended to predict corrosion resistance in real-world environments. The ASTM B117 standard for SST is recognized industry-wide as an effective tool to compare different metals and different metal coatings in a tightly controlled highly corrosive environment for specific periods of time. For more information about corrosion resistance, see the *Grabber Guide to Corrosion Resistance for Fasteners*.

Grabber's approved mills keep tight control over all production standards and processes. Grabber's mills are ISO 9001 and ICC-ES certified compliant ensuring Grabber fasteners meet or exceed the highest industry standards.

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