

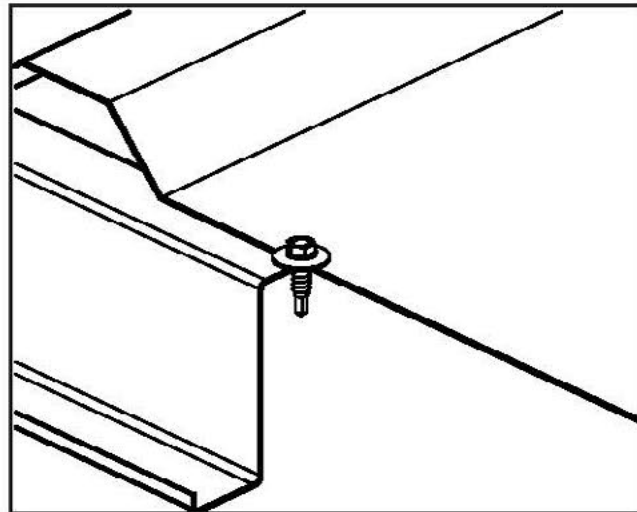


METAL FASTENING
Systems, Inc

www.metalfasteningsystems.com

Dril-Quik

Cupped Hex Head Self-Drilling Screws For Metal Applications



TYPICAL APPLICATION

Charlotte, NC.
7670 Mikron Dr
Stanley, NC. 28164
(704) 822-3562

Raleigh, NC.
2201 S Wilmington St
Suite 101
Raleigh, NC. 27603
(919) 33-7794

Richmond, VA.
8131 Virginia Pine Ct
N. Chesterfield, VA. 23237
(804) 912-1851

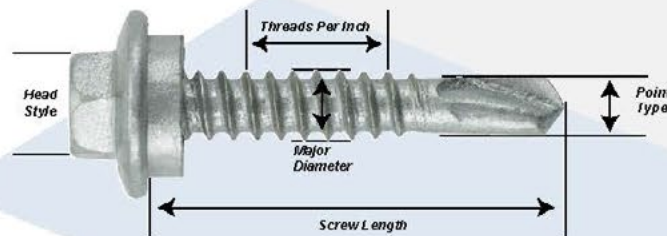
THE NEXT GENERATION OF HIGH PERFORMANCE FASTENERS AND ACCESSORIES

Table Of Contents

	PAGE
1/4-14 CUPPED HEX HEAD SD1 W/EPDM WASHER LAP/STITCH -----	1
12-14 CUPPED HEX WASHER HEAD SD3 W/EPDM WASHER -----	2
1/4-14 CUPPED HEX WASHER HEAD SD3 W/EPDM WASHER -----	3
1/4-14 ZINC ALLOY CUPPED HEX WASHER HEAD SD1 W/EPDM WASHER -----	4
12-14 ZINC ALLOY CUPPED HEX WASHER HEAD SD3 W/EPDM WASHER -----	5
1/4-14 ZINC ALLOY CUPPED HEX WASHER HEAD SD2 W/EPDM WASHER -----	6
12-24 ZINC ALLOY CUPPED HEX HEAD SD4.5 & 5 HEAVY GAUGE W/EPDM WASHER -----	7
1/4-14 STAINLESS STEEL CUPPED HEX WASHER HEAD SD1 W/EPDM WASHER -----	8
12-14 STAINLESS STEEL CUPPED HEX WASHER HEAD SD3 W/EPDM WASHER -----	9
DRILL CAPACITY GUIDELINE -----	10
COATING COMPARISON -----	11

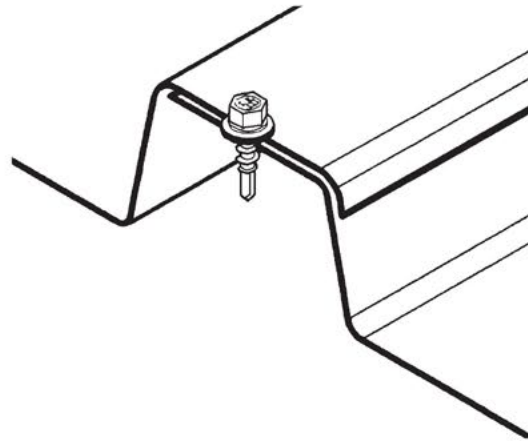
Screw Terminology

Description: #12-14 X 1-1/4" Cupped Hex Washer Head SD2.5 with EPDM Sealing Washer. 1000 hour salt spary coating



Major Diameter	Threads Per Inch	Screw Length	Point Type	Head Style
#12-14 X 1-1/4" SD2.5 HWH				

1/4-14 Cupped Hex Washer HD SD1 Lap/Stitch Panel to Panel Fastener



Features and Benefits

- Self-drill point for fast installation
- Integral cupped hex washer head with EPDM sealing washer
- 1000 hour coated

Application

Panel to panel side lap, end lap, and other stitch applications

Product Selection

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
14140875HW1CC	7/8"	Full	1/4-14X7/8" CUPPED HEX WASHER HD SD1	38	2,500

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from end of pilot length to end of the threads.

Product Specifications

Diameter:	1/4"	Drill Point:	SD1
Threads Per Inch:	14	Drill Capacity:	0.030–0.095"
Head Style:	5/16" dia. cupped HWH AF	Thread Major Dia:	0.244"
Washer:	EPDM sealing washer	Thread Minor Dia:	0.189"

Performance Data

Material Strength

Tensile	3600 lbf
Shear	2700 lbf
Torsional	150 lbf.in

Pull Out Strength Steel

26 Ga	204 lbf
24 Ga	304 lbf
22 Ga	379 lbf

Installation and Application Considerations

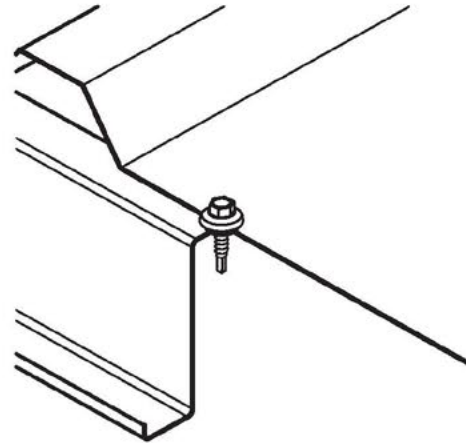
Tools: 0–2000 rpm screw gun equipped with depth sensing nose piece.

Composite thickness should not exceed 0.095"

Use of impact guns or hammer drills is not recommended.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent warranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

#12-14 Cupped Hex Washer Head SD Metal to Metal Fastener



Features and Benefits

- Integral cupped hex washer head with EPDM sealing washer
- Precision cold forged assuring superior strength and the fastest drilling time performance
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- Special long pilot length to accommodate nested purlins
- 1000 hour coated

Application

Metal panel to light and medium gauge metal application

Product Selection

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
12140750HW3CC	3/4"	Full	12-14X3/4" CUPPED HEX WASHED HD SD3	28	2,500
12141000HW3CC	1"	Full	12-14X1" CUPPED HEX WASHED HD SD3	34	2,500
12141250HW25CC	1-1/4"	Full	12-14X1-1/4" CUPPED HEX WASHED HD SD2.5	35	2,500
12141500HW3CC	1-1/2"	Full	12-14X1-1/2" CUPPED HEX WASHED HD SD2.5	41	2,500
12142000HW3CC	2"	Full	12-14X2" CUPPED HEX WASHED HD SD3	20	1,500

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from end of pilot length to end of the threads.

Product Specifications

Diameter:	#12	Drill Point:	SD3
Threads Per Inch:	14	Drill Capacity:	0.035-0.210"
Head Style:	5/16" dia. Cupped HWH AF	Thread Major Dia:	0.212"
Washer:	EPDM sealing washer	Thread Minor Dia:	0.160"

Performance Data

Material Strength		Pull Out Strength Steel	ICC protocol 65 ksi	Pull Over Strength Steel	
Tensile	2900 lbf	18 Ga	575 lbf	26 Ga	692 lbf
Shear	2050 lbf	16 Ga	717 lbf	24 Ga	1102 lbf
Torsional	92 lbf-in	14 Ga	899 lbf	22 Ga	1298 lbf
		12 Ga	1255 lbf		
		10 Ga	1610 lbf		

Installation and Application Considerations

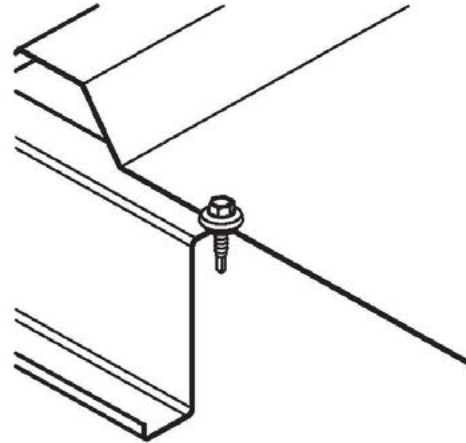
Tools: 0-2000 rpm screw gun equipped with depth sensing nose piece.

Use of impact guns or hammer drills is not recommended.

Fastener length should provide for a minimum of 3/16" penetration of fully developed threads into metal substrate.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent warranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

1/4-14 Cupped Hex Washer Head SD3 Metal to Metal Fastener



Features and Benefits

- Integral cupped hex washer head with EPDM sealing washer
- Precision cold forged assuring superior strength and the fastest drilling time performance
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- Special long pilot length to accommodate nested purlins
- 1000 hour coated

Application

Metal panel to light and medium gauge metal application

Product Selection

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
14141000HW3CC	1"	Full	1/4-14X1" CUPPED HEX WASHED HD SD3	37	2,500
14141250HW3CC	1-1/4"	Full	1/4-14X1-1/4" CUPPED HEX WASHER HD SD3	44	2,500

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from end of pilot length to end of the threads.

Product Specifications

Diameter:	1/4"	Drill Point:	SD3
Threads Per Inch:	14	Drill Capacity:	0.110-0.250"
Head Style:	5/16" dia. Cupped HWH AF	Thread Major Dia:	0.243"
Washer:	EPDM sealing washer	Thread Minor Dia:	0.188"

Performance Data

Material Strength		Pull Out Strength Steel	ICC protocol 65 ksi	Pull Over Strength Steel	
Tensile	3850 lbf	18 Ga	613 lbf	26 Ga	687 lbf
Shear	2600 lbf	16 Ga	883 lbf	24 Ga	1043 lbf
Torsional	150 lbf-in	14 Ga	1148 lbf	22 Ga	1298 lbf
		12 Ga	1861 lbf		

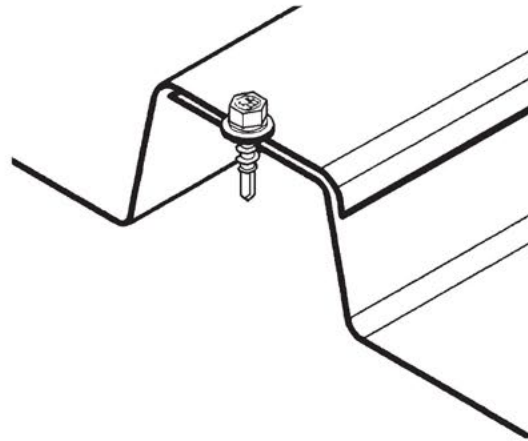
Installation and Application Considerations

Tools: 0–2000 rpm screw gun equipped with depth sensing nose piece. Fastener length should provide for a minimum of 3/16" penetration of fully developed threads into metal substrate.

Use of impact guns or hammer drills is not recommended.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent warranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

1/4-14 Zinc Alloy Capped Head SD1 Lap/Stitch Panel to Panel Fastener



Features and Benefits

- Zinc alloy cap head that will never red rust
- Self-drill point for fast installation
- Assembled EPDM sealing washer for a consistent weather tite seal
- Long life fastener limited warranty

Application

Panel to panel side lap, end lap, and other stitch applications

Product Selection

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
797195/797809	7/8"	Full	1/4-14 X 7/8" ZAC Dril-Quik SD1 W/W	40	2,000

Plain product bagged 250 pieces, unless otherwise noted.

*Note - Thread length measured from end of pilot length to end of the threads.

Product Specifications

Diameter:	1/4"	Drill Point:	SD1
Threads Per Inch:	14	Drill Capacity:	0.030-0.095"
Head Style:	5/16" or 3/8" dia. capped HWH AF	Thread Major Dia:	0.243"
Washer:	EPDM sealing washer	Thread Minor Dia:	0.188"

Performance Data

Material Strength		Pull Out Strength Steel	
Tensile	3600 lbf	26 Ga	204 lbf
Shear	2700 lbf	24 Ga	304 lbf
Torsional	150 lbf-in	22 Ga	379 lbf

Installation and Application Considerations

Tools: 0-2000 rpm screw gun equipped with depth sensing nose piece.

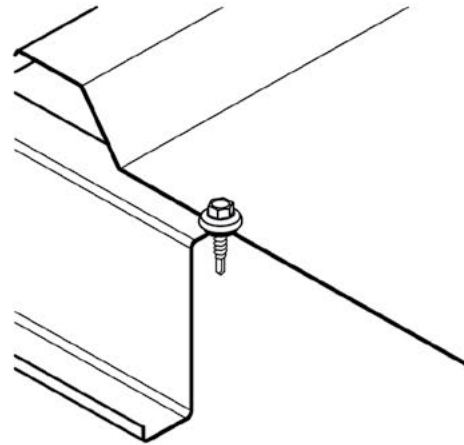
Composite thickness should not exceed 0.095"

Use of impact guns or hammer drills is not recommended.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent guaranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

Dril-Quik

#12-14 Zinc Alloy Capped Head SD3 Long Life Metal to Metal Fastener



Features and Benefits

- Zinc alloy cap head that will never red rust
- Precision cold forged assuring superior strength and the fastest drilling time performance
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- Special long pilot length to accommodate nested purlins
- Assembled EPDM sealing washer for a consistent weather tight seal
- Long life fastener limited warranty

Application

Metal panel to light and medium gauge metal application

Product Selection

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
794238 / 793845	1"	Full	12-14 X 1" ZAC Dril-Quik SD3 W/W	36	2,000
1304673 / 794515	1-1/4"	Full	12-14 X 1-1/4" ZAC Dril-Quik SD3 W/W	39	2,000
1015151 / 795874	1-1/2"	Full	12-14 X 1-1/2" ZAC Dril-Quik SD3 W/W	32	1,500
796645 / 796672	2"	Full	12-14 X 2" ZAC Dril-Quik SD3 W/W	25	1,000
796919	2-1/2"	Full	12-14 X 2-1/2" ZAC Dril-Quik SD3 W/W	26	750
797009	3"	Full	12-14 X 3" ZAC Dril-Quik SD3 W/W	27	750

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from end of pilot length to end of the threads.

Product Specifications

Diameter:	#12	Drill Point:	SD3
Threads Per Inch:	14	Drill Capacity:	0.035-0.210"
Head Style:	5/16" or 3/8" dia. Cupped HWH AF	Thread Major Dia:	0.212"
Washer:	EPDM sealing washer	Thread Minor Dia:	0.160"

Performance Data

Material Strength	Pull Out Strength Steel	ICC protocol 65 ksi	Pull Over Strength Steel
Tensile	2500 lbf	18 Ga	575 lbf
Shear	1800 lbf	16 Ga	717 lbf
Torsional	92 lbf-in	14 Ga	899 lbf
		12 Ga	1255 lbf
		10 Ga	1610 lbf
		26 Ga	654 lbf
		24 Ga	1056 lbf
		22 Ga	1249 lbf

Installation and Application Considerations

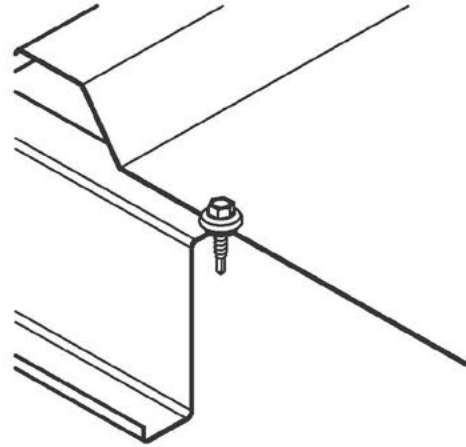
Tools: 0-2000 rpm screw gun equipped with depth sensing

Fastener length should provide for a minimum of 3/16" penetration of fully developed threads into metal substrate.

Use of impact guns or hammer drills is not recommended.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent warranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

1/4-14 Zinc Alloy Capped Head SD2 Long Life Metal to Metal Fastener



Features and Benefits

- Zinc alloy cap head that will never rust
- Precision cold forged assuring superior strength and the fastest drilling time performance
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- Special long pilot length to accommodate nested purlins
- Assembled EPDM sealing washer for a consistent weather tight seal
- Long life fastener limited warranty

Application

Metal panel to light and medium gauge metal application

Product Selection

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
798814 / 798668	1-1/4"	Full	1/4-14 X 1-1/4" ZAC Dril-Quik SD2 W/W	46	2,000
799033	1-1/2"	Full	1/4-14 X 1-1/2" ZAC Dril-Quik SD2 W/W	44	1,500

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from end of pilot length to end of the threads.

Product Specifications

Diameter:	1/4"	Drill Point:	SD2
Threads Per Inch:	14	Drill Capacity:	0.110-0.250"
Head Style:	5/16" or 3/8" dia. Capped HWH AF	Thread Major Dia:	0.243"
Washer:	EPDM sealing washer	Thread Minor Dia:	0.188"

Performance Data

Material Strength		Pull Out Strength Steel	ICC protocol 65 ksi	Pull Over Strength Steel	
Tensile	3600 lbf	18 Ga	613 lbf	26 Ga	616 lbf
Shear	2700 lbf	16 Ga	883 lbf	24 Ga	884 lbf
Torsional	150 lbf-in	14 Ga	1148 lbf	22 Ga	1079 lbf
		12 Ga	1861 lbf		

Installation and Application Considerations

Tools: 0-2000 rpm screw gun equipped with depth sensing nose piece.

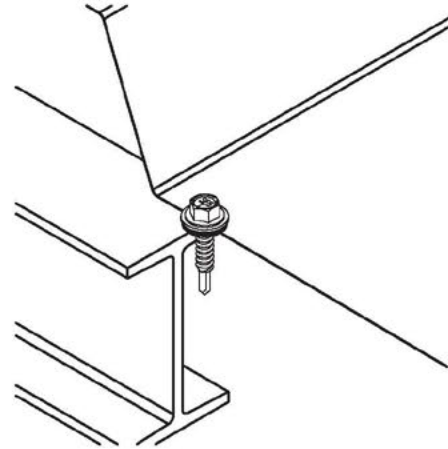
Use of impact guns or hammer drills is not recommended.

Fastener length should provide for a minimum of 3/16" penetration of fully developed threads into metal substrate.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent warranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

Dril-Quik

#12-24 Zinc Alloy Capped Head SD4.5 & 5 Heavy Gauge Metal to Metal Fastener



Features and Benefits

- Zinc alloy cap head that will never red rust
- Precision cold forged assuring superior strength and the fastest drilling time performance
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- Special long pilot lengths to accommodate nested purlins
- Assembled EPDM sealing washer for a consistent weather tight seal
- Long life fastener limited warranty

Application

Metal panel and insulated metal panel to medium and heavy gauge metal application

Product Selection

Self-Drill 4.5

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
795668	1-1/4"	0.520"	12-24X1-1/4" ZAC Dril-Quik SD4.5 W/W	49	2,000

Self-Drill 5

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
795842	1-1/4"	0.520"	12-24 X 1-1/4" ZAC Dril-Quik SD5 W/W	40	1,500
796622	1-1/2"	0.770"	12-24 X 1-1/2" ZAC Dril-Quik SD5 W/W	42	1,500

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from end of pilot length to end of the threads.

Product Specifications

Diameter:	#12	Drill Point:	SD4.5 or SD5
Threads Per Inch:	24	Drill Capacity SD4.5:	0.075"–0.375"
Head Style:	3/8" dia. Zinc alloy capped HWH	SD5:	0.075–0.500"
	AF	Thread Major Dia:	0.212"
Washer:	EPDM sealing washer	Thread Minor Dia:	0.184"

Performance Data		Pull Out Strength Steel		Pull Over Strength Steel	
Material Strength		ICC protocol			
Tensile	3450 lbf	12 Ga	1260 lbf	26 Ga	794 lbf
Shear	2420 lbf	3/16"	2989 lbf	24 Ga	1310 lbf
Torsional	100 lbf-in	1/4"	Exceeds tensile	22 Ga	1647 lbf

Installation and Application Considerations

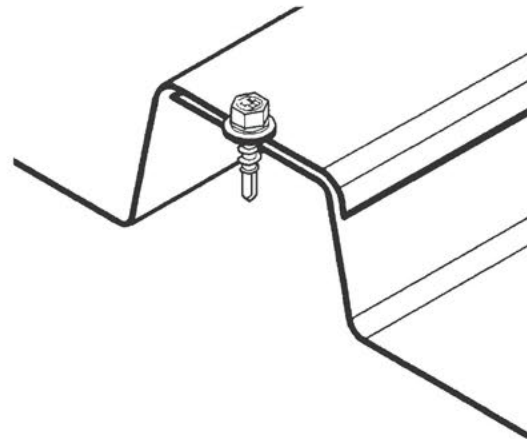
Tools: 0–2000 rpm screw gun equipped with depth sensing nose piece.

Use of impact guns or hammer drills is not recommended.

Fastener length should provide for a minimum of 3/16" penetration of fully developed threads into metal substrate.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent guaranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

1/4-14 Stainless Steel Capped HD SD1 Lap/Stitch Panel to Panel Fastener



Features and Benefits

- 300 series stainless steel capped head that will never red rust
- Self-drill point for fast installation
- Assembled EPDM sealing washer for a consistent weather tite seal
- Long life fastener limited warranty

Application

Panel to panel side lap, end lap, and other stitch applications

Product Selection

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
798360	7/8"	Full	1/4-14 X 7/8" S.S. CAP Dril-Quik SD1 W/W	24	2,000

Plain product bagged 250 pieces, unless otherwise noted.

*Note - Thread length measured from end of pilot length to end of the threads.

Product Specifications

Diameter:	1/4"	Drill Point:	SD1
Threads Per Inch:	14	Drill Capacity:	0.030-0.095"
Head Style:	5/16" or 3/8" dia. capped HWH AF	Thread Major Dia:	0.246"
Washer:	EPDM sealing washer	Thread Minor Dia:	0.188"

Performance Data

Material Strength		Pull Out Strength Steel	
Tensile	3600 lbf	26 Ga	204 lbf
Shear	2700 lbf	24 Ga	304 lbf
Torsional	150 lbf-in	22 Ga	379 lbf

Installation and Application Considerations

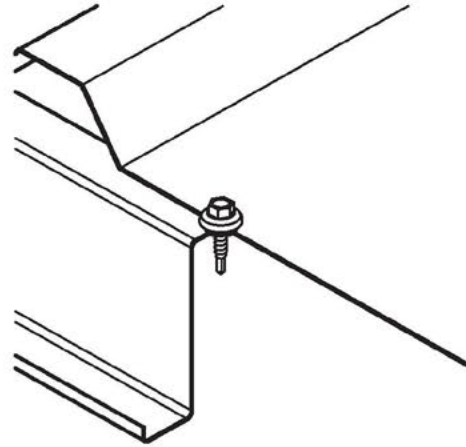
Tools: 0-2000 rpm screw gun equipped with depth sensing nose piece.

Composite thickness should not exceed 0.095"

Use of impact guns or hammer drills is not recommended.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent guaranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

#12–14 Stainless Steel Capped HD SD3 Long Life Metal to Metal Fastener



Features and Benefits

- 300 series stainless steel capped head that will never red rust
- Precision cold forged assuring superior strength and the fastest drilling time performance
- Designed to have low driving and thread engagement torque and provide maximum clamp load
- Special long pilot length to accommodate nested purlins
- Assembled EPDM sealing washer for a consistent weather tight seal
- Long life fastener limited warranty

Application

Metal panel to light and medium gauge metal application

Product Selection

Material No.	Fastener Length	Thread Length*	Description	Carton Wt. (lbs.)	Carton Qty.
793796	1"	Full	12-14 X 1" S.S. CAP Dril-Quik SD3 W/W	25	2,000
795388	1-1/4"	Full	12-14 X 1-1/4" S.S. CAP Dril-Quik SD3 W/W	29	2,000
796239	1-1/2"	Full	12-14 X 1-1/2" S.S. CAP Dril-Quik SD3 W/W	24	1,500

Plain product bagged 250 pieces, unless otherwise noted.

*Note – Thread length measured from end of pilot length to end of the threads.

Product Specifications

Diameter:	#12	Drill Point:	SD3
Threads Per Inch:	14	Drill Capacity:	0.035-0.210"
Head Style:	5/16" dia. Cupped HWH AF	Thread Major Dia:	0.212"
Washer:	EPDM sealing washer	Thread Minor Dia:	0.160"

Performance Data

Material Strength		Pull Out Strength Steel	ICC protocol 65 ksi	Pull Over Strength Steel	
Tensile	2900 lbf	18 Ga	575 lbf	26 Ga	692 lbf
Shear	2050 lbf	16 Ga	717 lbf	24 Ga	1102 lbf
Torsional	92 lbf-in	14 Ga	899 lbf	22 Ga	1298 lbf
		12 Ga	1255 lbf		
		10 Ga	1610 lbf		

Installation and Application Considerations

Tools: 0–2000 rpm screw gun equipped with depth sensing nose piece.

Use of impact guns or hammer drills is not recommended.

Fastener length should provide for a minimum of 3/16" penetration of fully developed threads into metal substrate.

The details stated are results of tests and/or calculations and therefore are non-binding and do not represent warranties or warranted characteristics for not specified applications. All calculations therefore have to be checked and approved by the responsible planner ahead of execution. The user is responsible to assure compliance with all applicable laws and regulations.

Inches to Decimal

Inches	Decimal	Inches	Decimal	Inches	Decimal	Inches	Decimal
1/32	.0312	9/32	.2812	17/32	.5312	25/32	.7812
1/16	.0625	5/16	.312	9/16	.5625	13/16	.8125
3/32	.0937	11/32	.3437	19/32	.5937	27/32	.8437
1/8	.125	3/8	.375	5/8	.625	7/8	.875
5/32	.1562	13/32	.4062	21/32	.6562	29/32	.9062
3/16	.1875	7/16	.4375	11/16	.687	15/16	.9375
7/32	.2187	15/32	.4687	23/32	.7187	31/32	.9687
1/4	.250	1/2	.500	3/4	.750	1	1.00

Gauges to Decimal

Gauge	Decimal	Gauge	Decimal	Gauge	Decimal	Gauge	Decimal
3	.239	12	.105	21	.033	30	.0120
4	.224	13	.090	22	.030	31	.0105
5	.209	14	.075	23	.027	32	.0097
6	.194	15	.067	24	.024	33	.0090
7	.179	16	.060	25	.021	34	.0082
8	.164	17	.054	26	.018	35	.0075
9	.150	18	.048	27	.016	36	.0067
10	.135	19	.042	28	.015	37	.0064
11	.120	20	.036	29	.014	38	.0060

Drill Capacity Guideline

Point	Diameter	.050	.100	.150	.200	.250	.300	.350	.400	.500	.600	Drill Speed
1	1/4	.018 -- .090										2000
2	6	.035 -- .090										2500
2	8	.035 ---- .100										2500
2	10	.035 ---- .110										2500
3	10	.035 ----- .176										2500
3	12	.035 ----- .210										2000
3	1/4	.060 ----- .220										1750
4	12	.125 ----- .250										1500
5	12 or 1/4	.125 ----- .500										1500

Charlotte, NC.
 7670 Mikron Dr
 Stanley, NC. 28164
 (704) 822-3562

Raleigh, NC.
 2201 S Wilmington St
 Suite 101
 Raleigh, NC. 27603
 (919) 33-7794

Richmond, VA.
 8131 Virginia Pine Ct
 North Chesterfield, VA. 23237
 (804) 912-1851

Coating Comparison

Coating	Salt Spray	Application
Clear Zinc	24 hrs.	Used indoors for dry, non-corrosive applications
*Ruspert	1,000 hrs.	Used indoors and outdoors for high corrosive applications
E-Coat	500 hrs.	Used outdoors for medium corrosive applications
*410 Stainless Steel	500 hrs.	Used outdoors for medium corrosive applications
*304 Stainless Steel	2,000+ hrs.	Used outdoors for high corrosive applications
*316 Stainless Steel	2,000+ hrs.	Used outdoors for severely corrosive applications

*ACQ Compatible

Coating Description

Clear Zinc: A coating that is applied electrically to fasteners that prevents oxidation of steel by forming a protective barrier.

Ruspert: A high-grade metal surface processing technology that prevents corrosion. The coating system consists of three layers: a metallic zinc layer, a high-grade anti-corrosion chemical conversion film, and a baked ceramic surface coating.

E-Coat: A electrical current to deposit the coating material and oven cured.

410 Stainless Steel: A low-carbon grade of hardenable stainless steel. Good corrosion in mild atmospheres.

304 Stainless Steel: A nickel-chromium austenitic grade of stainless steel that has a high resistance to corrosion.

316 Stainless Steel: A nickel-chromium austenitic grade of stainless steel that provides a level of corrosion protection suitable for severe environments.

*(Tested in accordance with the American Society of Testing Materials - ASTM B 117)

Charlotte, NC.
 7670 Mikron Dr
 Stanley, NC. 28164
 (704) 822-3562

Raleigh, NC.
 2201 S Wilmington St
 Suite 101
 Raleigh, NC. 27603
 (919) 33-7794

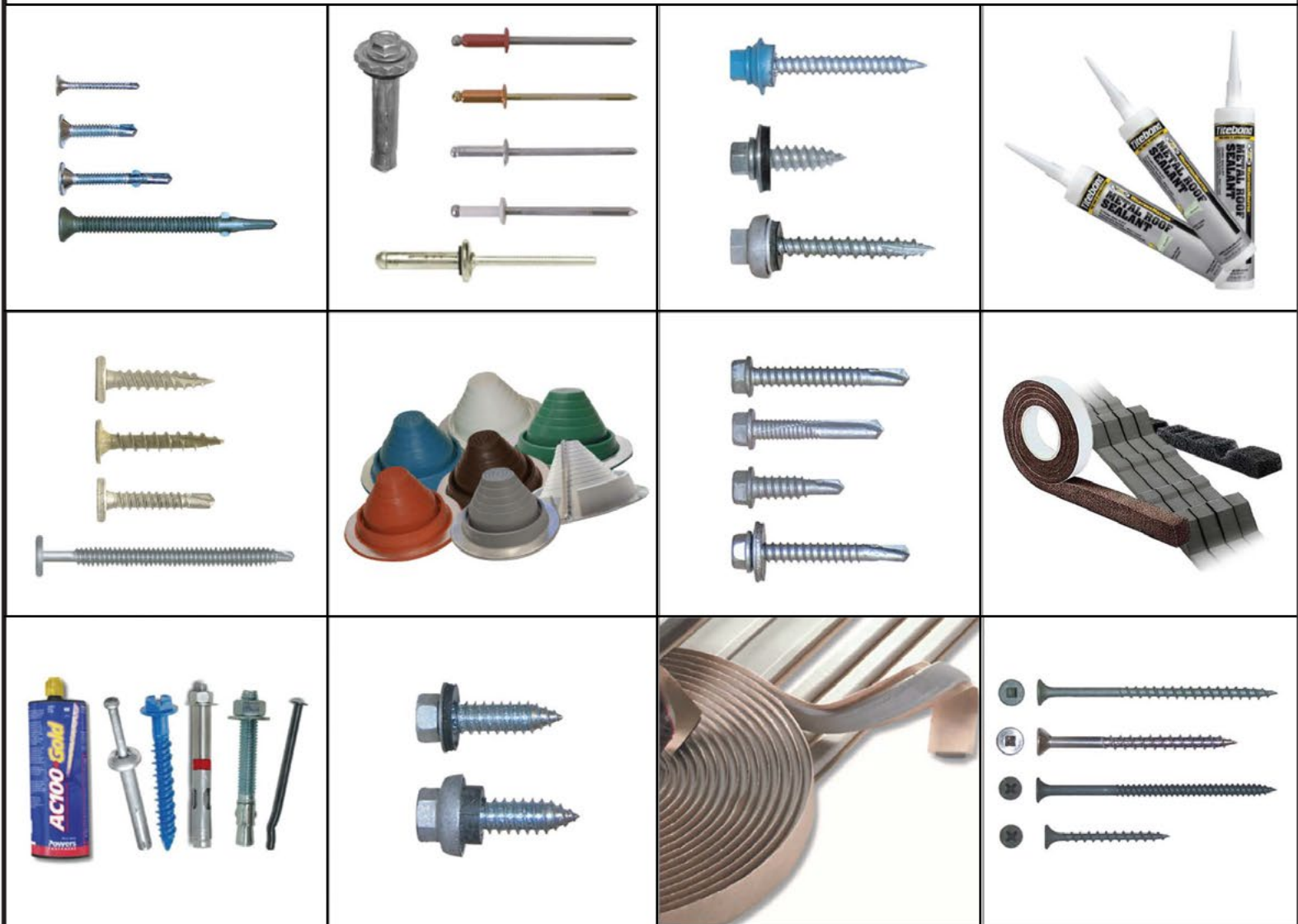
Richmond, VA.
 8131 Virginia Pine Ct
 North Chesterfield, VA. 23237
 (804) 912-1851



METAL FASTENING

S y s t e m s , I n c

www.metalfasteningssystem.com



Charlotte, NC.
7670 Mikron Dr
Stanley, NC. 28164
(704) 822-3562

Raleigh, NC.
2201 S Wilmington St
Suite 101
Raleigh, NC. 27603
(919) 33-7794

Richmond, VA.
8131 Virginia Pine Ct
N. Chesterfield, VA. 23237
(804) 912-1851