



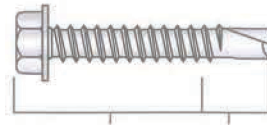
ABABA BOLT

Commercial Hardware

AN INDUSTRIAL THREADED PRODUCTS INC. COMPANY

SFS intec

Flex5



Grade 5 head
and threads
(RC 28-34)

Higher-hardness
lead threads
and point
(RC 52)



Flex5 Head
Marking



ESR-3870

vistaCorr™ Coating

EXTERIOR GRADE

Salt Spray per ASTM B117 - 1,000 hrs.

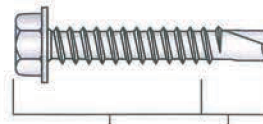
Selectively hardened fasteners with Grade 5 performance



Flex5 self-drilling fasteners are made from alloy steel and are manufactured with a selective hardness heat treat process to give the load bearing part of the fastener grade 5 specification performance (RC 28-34), with a higher hardness for the drill point and lead-in threads (min. RC 52) for drilling and tapping into steel. The lower hardness of the load bearing area increases the fastener's ductility helping to prevent hydrogen embrittlement.

Product Specifications

Diameters: #10, #12 and 1/4"
Head Styles: Hex Washer Head, Phillips Undercut Flat
Thread Forms: 10-16, 12-14, 12-24, 1/4-14, 1/4-20
Drill Points: SD3, SD4, SD5
Finish: vistaCorr™ - proprietary coating providing improved appearance, corrosion resistance, durability and installation performance. Salt spray per ASTM B117 - 1,000 hrs.



Grade 5 head and threads (RC 28-34)

Higher-hardness lead threads and point (RC 52)



Flex5 Head Marking

Applications

- Curtain wall applications
- Rainscreen and cladding
- Faster fastening than a traditional Grade 5 bolt and nut
- All fenestration systems
- Solar panel systems connecting aluminum to steel

Flex5 Product Selection

Material No.	Description	Drill Pt.	Drill & Tap Capacity	Load Bearing Area	Carton Qty.	Carton Wt.
Flex5 12-14 Self-Drill; HWH						
1429720	10-16 x 3/4"	SD3	.150	.380"	5000*	40
1429731	12-14 x 7/8"	SD3	.187	.380"	4000*	44
1429732	12-14 x 1"	SD3	.187	.500"	4000*	44
1429734	12-14 x 1-1/2"	SD3	.187	1.000"	2500*	38
1429736	12-14 x 2"	SD3	.187	1.500"	2000*	16
Flex5 12-14 Self-Drill; PUF (Phillips Undercut Flat)						
1429733	12-14 X 1"	SD3	.187	.500	4000*	36
Flex5 12-24 Self-Drill; HWH						
1429735	12-24 x 1-3/4"	SD5	.500	.800"	2000*	36
Flex5 1/4-14 and 1/4-20 Self-Drill; HWH						
1429737	1/4-14 x 1"	SD3	.187	.450"	2500*	45
1429738	1/4-14 x 1-1/2"	SD3	.187	.950"	2000*	46
1429739	1/4-14 x 2"	SD3	.187	1.450"	1500*	41
1429740	1/4-20 x 1-1/8"	SD4	.312	.500"	2000*	40
1429741	1/4-20 x 1-1/2"	SD4	.312	.835"	2000*	46
1429742	1/4-20 x 2"	SD4	.312	1.335"	1500*	41
1429743	1/4-20 x 2-1/2"	SD4	.312	1.830"	1000*	19

* Indicates available in bulk carton only

Technical Data

Pullout Test Results - Steel											Shear Test Results - Steel									
Screw Size	Point Type	Drill Cap.	Panel Thickness								Screw Size	Point Type	Drill Cap.	Panel Thickness						
			18	16	14	12	1/8	3/16	1/4	5/16				18-18	18-14	16-16	14-14	1/8-3/16	3/16-1/4	1/4-12 ga.
10-16	3	.150	390	489	628	1575	1685	-	-	-	10-16	3	.150	1351	1720	1448	-	-	-	-
12-14	3	.187	389	515	704	1672	2048	2895	-	-	12-14	3	.187	1301	2120	1644	1801	-	-	-
1/4-14	3	.187	391	525	690	1925	2224	3904	3562	4501	1/4-14	3	.187	1391	2322	1664	2401	2549	-	-
1/4-20	4	.312	-	520	643	1903	2542	4225	5408	6612	1/4-20	4	.312	1341	2062	1577	2455	2820	2801	2711

Pullout Test Results - Aluminum						Shear Test Results - Aluminum				
Screw Size	Point Type	Drill Cap.	Panel Thickness			Screw Size	Point Type	Drill Cap.	Panel Thickness	
			1/8	1/4	3/8				1/8-1/8	18/-14
10-16	3	.150	893	-	-	10-16	3	.150	1429	-
12-14	3	.187	931	2276	-	12-14	3	.187	1793	2503
1/4-14	3	.187	1001	2412	-	1/4-14	3	.187	2002	2874
1/4-20	4	.312	891	2080	3644	1/4-20	4	.312	2006	2913

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