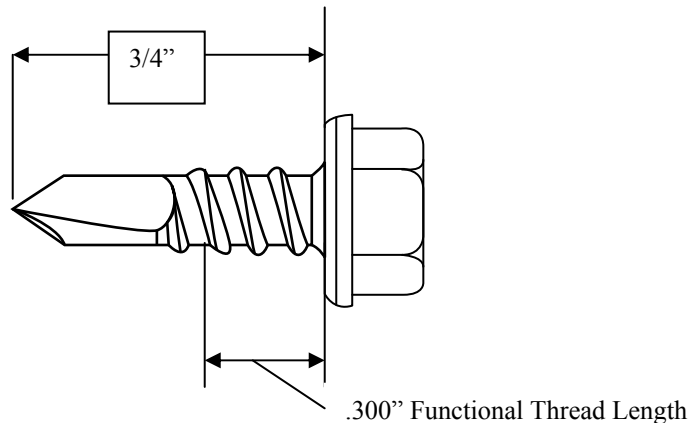




Technical Data

Self-Drilling Screw Part Number DB446

Description: 10-16 x 3/4 HWH Self-Drilling Screw
Diameter: #10 (.187" O.D.)
Point Style: #3 Point (drilling/fastening capacity .187")
Finish: Silver Stalgard® Corrosion Resistant Finish
Sealing Washer Design: None
Drive/Head Style: 5/16" Hex Washer Head (Across Flats)
Functional Thread Length: .300"
Head Marking: Elco Logo – resembles a waving flag
Origin: Manufactured by Elco Construction Products, Decorah, Iowa
 Complies with "Buy America Act"
Material: 1022 carbon steel
Heat Treatment: Case hardened: Surface - Rc52 Min., Core - Rc32-40



Pull-out Values (Average Lbs. Ultimate)						Fastener Values		
Steel Thickness						Tensile (lbs. min.)	Shear (Avg. lbs. ult)	Min. Torsional (in.-lbs.)
18 ga. (.048")	16 ga. (.060")	14 ga. (.075")	12 ga. (.105")	.134"	.156"	2,100	1,400	61
544	782	963	1,448	1,971	2,622			

Performance Data:

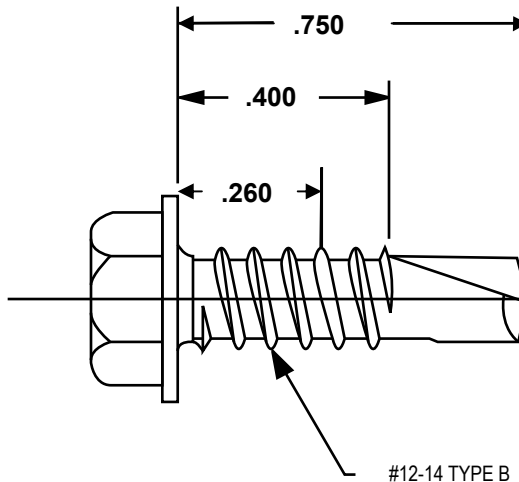
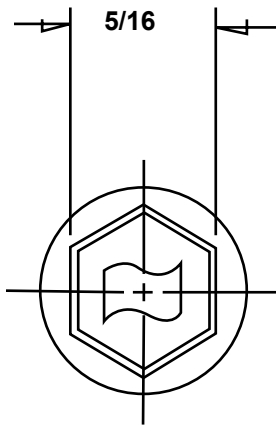
Performance of Stalgard® Corrosion Resistant Finish
Salt Spray Results (ASTM B117)
 800 hours – No sign of rust



Technical Data

Self-Drilling Screw Part Number DB741

Description: 12-14 x 3/4 HWH Self-Drilling Screw
Diameter: #12 (.212" O.D.)
Point Style: #3 Point (drilling/fastening capacity .210")
Functional Thread length: .260"
Heat Treatment: Case hardened; surface - Rc 52 min, core – Rc 32-40
Finish: Silver Stalgard®
Drive/Head Style: 5/16" Hex Washer Head (Across Flats)
Head Marking: Elco Logo – resembles a waving flag
Origin: Manufactured by Elco Construction Products Division in Decorah, Iowa - Complies with "Buy America Act"



Pull-out Values (Average Lbs. Ultimate)					Fastener Values		
Steel Thickness					Tensile (lbs. min.)	Shear (Avg. lbs. ult.)	Min. Torsional (in.-lbs.)
20 ga.	18 ga.	16 ga.	14 ga.	12 ga.			
339	549	758	1,058	1,629	2,800	1,875	92

Performance Data:

Corrosion Resistance of Stalgard®


Salt Spray Results (ASTM B117)
 800 hours – No sign of red rust

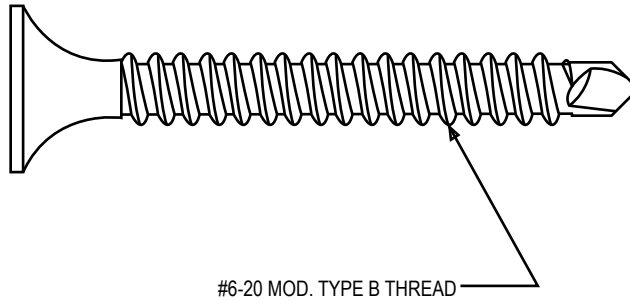
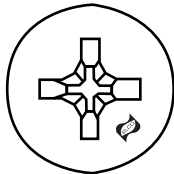
Warning: These screws, like all case hardened fasteners, regardless of manufacture, should not be used with aluminum when moisture may be present. For alternatives such as DrillFlex® structural self-drilling screws or BiFlex® 300 series stainless steel bi-metal self-drilling screws, contact Elco.



Technical Data

Drywall Screw Part Number Series EBL

Description:	#6-20 Phillips Bugle Head TY-2 Drilit
Diameter:	#6 (.1417-.1339" O.D.)
Length:	1 1/4", 1 5/8", 1 7/8"
Material:	Carbon Steel
Heat Treatment:	Case Hardened Per SAE J78
Point Style:	Type 2 Drilit
Finish:	.0002 Min. Zinc & Clear Trivalent
Drive/Head Style:	#2 Phillips, Bugle Head
Head Marking:	Elco Flag 



Performance Data - Average Lbs. Ultimate

Pull-Out Value				Shear Value			
Steel Thickness							
14 Gauge	16 Gauge	18 Gauge	20 Gauge	14-14 Gauge	16-16 Gauge	18-18 Gauge	20-20 Gauge
*860	*584	*421	*273		**935	*970	*639

*Material Failure **Fastener Failure

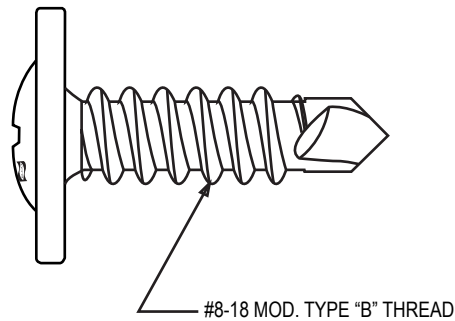
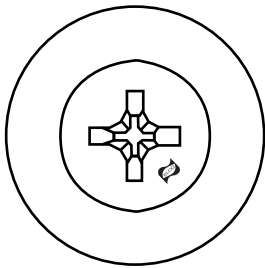
Values listed are ultimate averages achieved under laboratory conditions and apply only to products from Elco. An appropriate safety factor should be applied to these values for safe design purposes.



Technical Data

Drywall Screw Part Number EBL140

Description:	#8-18 x 9/16 Phillips Wafer Head TY-2 Drilit
Diameter:	#8 (.1673-.1595" O.D.)
Length:	9/16"
Material:	Carbon Steel
Heat Treatment:	Case Hardened Per SAE J78
Point Style:	Type 2 Drilit
Finish:	.0002 Min. Zinc & Clear Trivalent
Drive/Head Style:	#2 Phillips, Wafer Head
Head Marking:	Elco Flag 



Performance Data - Average Lbs. Ultimate

Pull-Out Value				Shear Value			
Steel Thickness							
14 Gauge	16 Gauge	18 Gauge	20 Gauge	14-14 Gauge	16-16 Gauge	18-18 Gauge	20-20 Gauge
*900	*649	*495	*295	**1113	**1110	**1011	*651

*Material Failure **Fastener Failure

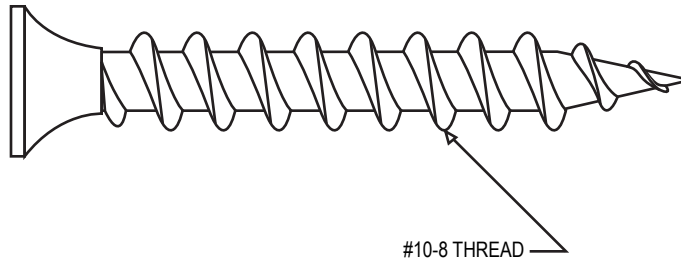
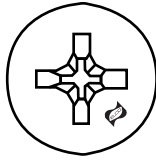
Values listed are ultimate averages achieved under laboratory conditions and apply only to products from Elco. An appropriate safety factor should be applied to these values for safe design purposes.



Technical Data

Drywall Screw Part Number EBL174

Description: #10-8 x 1 ½ PH Bugle HD Pierce Point
Thread Diameters: Major: .1969/.248 Minor: .126/.1377
Functional Thread Length:
Fastening material range:
Material: Low Carbon Steel
Heat Treatment: Case Hardened
Finishes: Phos & Oil (Dry to touch)
Drive/Head Style: Phillips Bugle Head
Head Marking: Elco-Logo – resembles a waving flag
Origin: Manufactured by Acument Global Technologies/Elco Construction Products in Decorah, Iowa.



Pull-out Values (Average Lbs. Ultimate)									Ultimate Fastener Values		
Steel Thickness									Tensile (lbs. min.)	Shear (Avg. lbs.)	Min. Torsional (in.-lbs.)
26ga	24ga	22ga	20ga	18ga	16ga	14ga	12ga	.120"	1,904	1,491	

Note: Test values shown are ultimate average values obtained under laboratory conditions and apply to fasteners manufactured by Acument Global Technologies only. Appropriate safety factors should be applied to these test values for design purposes.


Corrosion Resistance Performance Data:

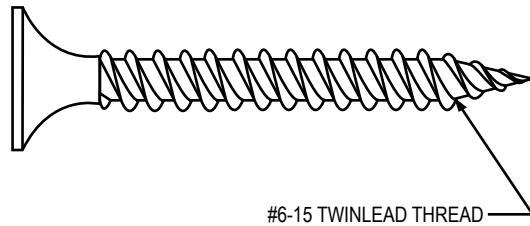
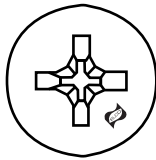
- 96 hours – No sign of red rust in Salt Spray (ASTM B117)



Technical Data

Drywall Screw Part Number Series EFN

Description:	#6-15 Phillips Bugle Head Twin Lead Pierce Point
Diameter:	#6 (.1409-.1359" O.D.)
Length:	1 1/4", 1 5/8", 2"
Material:	Carbon Steel
Heat Treatment:	Case Hardened Per SAE J81
Point Style:	Twin Lead Pierce Point
Finish:	Phos & Oil (Dry to Touch)
Drive/Head Style:	#2 Phillips, Bugle Head
Manufacturing Origin:	Decorah, IA – Meets "Buy American Act"
Head Marking:	Elco Flag 



Performance Data - Average Lbs. Ultimate

Pull-Out Value		Shear Value	
Steel Thickness			
20 Gauge	25 Gauge	20-20 Gauge	25-25 Gauge
*320	*183	*701	*318

* Material Failure ** Fastener Failure

Values listed are ultimate averages achieved under laboratory conditions and apply only to products from Elco. An appropriate safety factor should be applied to these values for safe design purposes.