

The largest selection of self-drilling screws specifically designed for increase strength

We stock a full line of 1/4" and 5/16" BLAZER® drill screws for drilling and tapping up to 1/2" thick steel.

BLAZER® self-drilling screws are engineered to drill and tap high tensile steels more consistently with less effort.

1/4-14 DP3

- Drill and Tap to .250" Steel
- Lengths up to 10"
- 3/8" HWH
- TRI-SEAL® 1,000 hrs Salt Spray Coated

5/16-12 DP3

- Add more stiffness to your connection
- Drill and Tap to .210" Steel
- Lengths up to 8"
- 3/8" HWH
- 5/8" O.D. Washer Face
- TRI-SEAL® 1,000 hrs Salt Spray Coated

1/4-20 DP5

- Drill and Tap to .500" Steel
- Lengths up to 8"
- 3/8" HWH
- 5/8" O.D. Washer Face
- TRI-SEAL® 1,000 hrs Salt Spray Coated

Blue colored sizes denotes popular DC items

SIZES AND PERFORMANCE SPECIFICATIONS

Diameter	Length	Attachment Thickness	Box Qty	Point Type	Drilling Thickness
1/4-14	1"	.250"	2.5M	BLAZER 3	.036" .250"
	1-1/4"	.625"	2M		
	1-1/2"	.875"	2M		
	2"	1"	1.5M		
	3"	2"	1M		
	4"	3"	500		
	5"	4"	500		
	6"	2" - 5"	250		
	8"	4" - 7"	250		
	10"	6" - 9"	250		
5/16-12	1"	.250"	2M	BLAZER 3	.036" .210"
	1-1/2"	.875"	1.5M		
	3"	2.25"	750		
	4"	3.25"	400		
	5"	1.38 - 4.25"	500		
	8"	2.50 - 5"	200		
1/4-20	1-1/2"	.500"	2M	BLAZER 5	.200" .500"
	2-1/4"	1.250"	1M		
	2-1/2"	1.500"	1M		
	3-1/8"	2.125"	500		
	4"	3"	250		
	5"	4"	250		
	6"	2.50" - 5"	250		
	8"	4.25" - 7"	150		

All sizes are available with BOND-SEAL™ Sealing Washers.



TOOLING: Install using a 2,000 RPM screw-gun with torque control (DeWalt DW267).

Do not use impact tools.

Concerned about bending?

Our 5/16" diameter BLAZER provides additional stiffness to the connection.

TECHNICAL DATA

Fastener Diameter	Nominal Screw Diameter	Major Diameter (inch)		Minor Diameter (inch)		Tensile Stress Area (sq in.)	Torsional (lb-in)	Tensile (Pounds)	Shear (Pounds)
		Max	Min	Max	Min				
1/4-14	0.250	0.246	0.240	0.192	0.185	0.0269	150	3,497	2,098
1/4-20	0.250	0.250	0.242	0.218	0.214	0.0360	156	4,680	2,808
5/16-12	0.313	0.315	0.306	0.244	0.236	0.0418	290	5,439	3,264

Fastener Size	PULLOUT ALLOWABLE Grade 50/55 Steel 65Ksi Calculated Values In Accordance to AISI S100 Section E4 Applied Factor of Safety = 3								
	18 Ga. (.048")	16 Ga. (.060")	14 Ga. (.075")	12 Ga. (.105")	1/8" (.125")	10 ga (.135")	1/4" (.250")	3/8" (.375")	1/2" (.500")
1/4-14 DP3	221.0	276.2	345.3	483.4	575.5	621.6	1,151.0		
1/4-20 DP5						621.6	1,151.0	1,726.5	2,302.1
5/16-12 DP3	276.2	345.3	431.6	604.3	719.4	776.9			

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DISCLAIMER: ALL TESTS RESULTS AND SPECIFICATIONS ARE A RESULT OF LABORATORY TESTS. APPROPRIATE SAFETY FACTORS SHOULD BE USED BY THE USER OR SPECIFIER. DETERMINING THE PROPER FASTENER IS THE RESPONSIBILITY OF THE USER OR SPECIFIER. SINCE APPLICATION CONDITIONS VARY AND ARE UNCONTROLLABLE BY TFC, WE ASSUME NO LIABILITY FOR THE USE OF THIS INFORMATION.