



# Over 100 Years of Experience

## Suggested Drill Size/Pullout Values (#14 and 1/4 Diameters)

Steel Thickness	Point Type	Drill Size	Avg. Ultimate Pullout
26	A-AB	1/8" (.125)	243 lbs.
24	A-AB	5/32" (.156)	340 lbs.
22	A-AB	5/32" (.156)	372 lbs.
20	A-AB	5/32" (.156)	412 lbs.
18	A-AB-BP	3/16" .187	518 lbs.
16	A-AB-B-BP	3/16" .187	850 lbs.
14	AB-B-BP	#7 .201	1,318 lbs.
12	AB-B-BP	#7 .201	1,681 lbs.
1/8"	AB-B-BP	#2 .221	1,780 lbs.
10	AB-B-BP	#2 .221	1,812 lbs.
3/16"	B-BP	#1 .228	2,677 lbs.
1/4"	B-BP	#1 .228	3,134 lbs.
3/8"	B-BP	#1 .228 or .232 (5.9 mm) *	(exceeds tensile strength)
1/2"	B-BP	#1 .228 or .232 (5.9 mm) *	(exceeds tensile strength)

\* = The use of a 5.9 mm (.232) pre-drill bit can prevent rollover of threads in harder substrates.

All test results and recommendations are based on laboratory tests. Hole sizes for material thicker than 14 gauge are based on 50,000 psi hot rolled structural steel. Specific job site conditions should be taken into consideration when specifying the proper fastener. Because applications vary, we assume no liability for use of this information.