



# TECHNICAL BULLETIN

## 300 SERIES STAINLESS FASTENERS

920 Second Ave., Coraopolis, PA 15108  
 (800) 670-5767 \* FAX # (412) 299-6499

### TYPE OF FASTENER

AB Number 17 Diameter.

### TYPE OF MATERIAL

Fasteners are to be made from a good quality cold heading wire of type 304. 304 is utilized to maximize hardness during the cold heading process. These harder threads provide maximum strip out values higher than other types of stainless wires.

### TYPE OF PLATING—(Optional)

Mechanical plating .0002 zinc/tin and clear chromate finish.

### TOOL SELECTION

An electric screwgun with a variable speed of 0 - 2000 RPM incorporating a clutch or depth setting feature is the suggested tool. Impact type guns are not recommended.

### RECOMMENDED USAGE

Type AB to be used for sheet to sheet or sheet to light gauge structural.

## PERFORMANCE TESTS

Test Results	Strength of Fasteners
	<u>#17 Type AB</u>
Minimum tensile strength .....	4,380 lbs.
Minimum shear strength .....	3,265 lbs.
Minimum torsional strength .....	250 inch lbs.
(These are conservative values)	

Test Results	Pull Out Tests		
To determine the tension required to pull a properly driven screw out of a steel member.			
Thickness of Steel	Hardness of Steel Rockwell B	Drilled Hole Size	Average Pull Out Values in lbs. #17 Type AB
18 gauge	56	3/16"	918
16 gauge	60	#7	1151
14 gauge	64	#1	1625
12 gauge	64	1/4"	1990

Test Results	Pull Over Tests			
To determine the tension required to pull steel over fastener head.				
Thickness of Steel	Hardness of Steel Rockwell B	Drilled Hole Size	Washer Diameter	Average Pull Over in lbs.
20 gauge	56	3/16"	15mm Stainless	1485
22 gauge	52	3/16"	15mm Stainless	1273
24 gauge	50	3/16"	15mm Stainless	906
26 gauge	49	1/8"	15mm Stainless	644

The test results shown are believed to be reliable. However, variances in testing and actual field conditions may alter the results. There is no expressed or implied warranty on the test data.