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# TECHNICAL BULLETIN

## DUAL-GRIP

### TYPE OF FASTENER

Self-drilling piercing point. Number 9 Diameter.

### TYPE OF MATERIAL

Fasteners are to be made from a good quality cold heading wire of 1018 61021 designation. Screws to be heat treated after cold forming to produce a Rockwell Hardness of C-38 minimum.

### TYPE OF PLATING

X-Tend Mechanical plating .0007 zinc minimum, clear chromate finish and a proprietary top seal coat.

### 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

Fastener to be used for attachment of light gage sheeting to wood. No pre-drilling of material is necessary. Maximum panel thickness is .050 inches. Minimum suggested embedment in wood is 7/8ö.

## PERFORMANCE TESTS

Test Results	Strength of Fastener
Minimum tensile strength	1,710 lbs.
Minimum shear strength	910 lbs.
Minimum torsional strength	55 inch lbs.
(These are conservative values)	

Test Results	Pull Out Tests
To determine the tension required to remove properly drilled screws out of wood member.	
Wood Type	Average Pull Out in Lbs. Embedment in Wood 1ö
Pine	313
Treated Pine	377
Poplar	451
Spruce	432
Cedar	529
Oak	1123

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.