



BUILDING FASTENERS

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TECHNICAL BULLETIN

LONG LENGTH DRILL POINT

TYPE OF FASTENER

Self-drilling point. Number 12 Diameter.

TYPE OF MATERIAL

Fasteners are to be made from a good quality cold heading wire of 1018-1021 designation. Screws to be heat treated after cold forming to produce a Rockwell Hardness of C-38 minimum.

TYPE OF PLATING

X-Tend coating with a black color corrosion resistant polymer. Coating meets or exceeds FM4470 corrosion standards and withstands 30 cycles of the Kesternich DIN 50018 SFW 2.0 test.

TOOL SELECTION

An electric screwgun with a variable speed of 0 - 2500 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 gauge sheeting to wood or light gauge metal. No pre-drilling of material is necessary. Maximum panel thickness is 14 gauge steel. Minimum suggested embedment in wood is 1".

PERFORMANCE TESTS

Test Results	Strength of Fastener
Minimum tensile strength	2,525 lbs.
Minimum shear strength	1,968 lbs.
Minimum torsional strength	60 inch lbs.
<i>These are conservative values</i>	

Test Results	Pull Out Tests
Pull Out in SPF #2 Wood 2x4 in 1" Embedment	700 lbs.
Pull Out from 18 Gauge Steel	558 lbs.
Pull Out from 20 Gauge Steel	456 lbs.
Pull Out from 22 Gauge Steel	452 lbs.
Pull Out from 24 Gauge Steel	335 lbs.

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.

