



production products, inc.

SHEET METAL MACHINERY AND SUPPLY

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## Product Testing Results

Date: December 21, 2001  
Description: 3/4", 1/2" Heavy Duty EC Style Tube Connector  
Using Production Products Tubing - EMT GALV. CONDUIT

### Testing Description:

0.920" diameter and 0.700" diameter tubing was used for testing. Connectors were inserted into the tubing approximately 1/2" deep. For pullout testing a static load tester was used to apply a load to the threaded nut. The load was steadily increased until failure. The load, which caused the connectors to pull out 1/16", was noted as well. During torque testing, the torque load on the threaded nut was steadily increased until failure between the clips and nut or between the clips and tubing wall.

### Pull Out Test Results:

Tube Connector	Load to 1/16" Pull Out	Load to Failure
1/2" Condu-Lock (EC) HEAVY DUTY	1500 - 2000	2000 - 2200
3/4" Condu-Lock (EC) HEAVY DUTY	1900 - 2400	2300 - 2600

### Torque Test Results:

Tube Connector	Maximum Torque
1/2" Condu-Lock (EC) HEAVY DUTY	70 in.-lbs. (nut spins)
3/4" Condu-Lock (EC) HEAVY DUTY	70 in.-lbs. (nut spins)