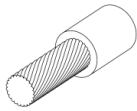
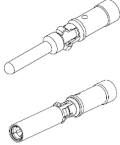
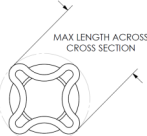


ANDERSONPOWER™

Crimp Specification for PowerMod® Contacts For Use In: PowerMod®, SPEC Pak®, SBS® 75X, 1x4 Auxiliary, & SB®

|  |  |  | See "Resistance Test Setup" | See "Pull Test Setup" | | |
|---|---|---|-----------------------------------|--|--|--|
| All Criteria Must Be Achieved for Proper Crimp Fit & Function | | | | | | |
| Wire Size | Contact Series | Maximum Crimp Barrel Cross Section Dimension ⁽³⁾ | | Milli-ohm Resistance ⁽¹⁾ (MAX) | Wire Pull Out Force ⁽²⁾ (MIN) lbf | Wire Pull Out Force ⁽²⁾ (MIN) N |
| | | In | mm | | | |
| #12 AWG | PowerMod® Pin & Socket | 0.129 | 3.276 | 0.16 | 70 | 312 |
| #14 AWG | | | | 0.16 | 50 | 223 |
| #16 AWG | | | | 0.16 | 30 | 134 |
| #18 AWG | | | | 0.20 | 20 | 89 |
| #20 AWG | | | | 0.30 | 13 | 58 |
| #22 AWG | | | | 0.40 | 8 | 36 |
| #24 AWG | | | | 0.60 | 8 | 36 |

ANDERSONPOWER™

NOMINAL TOOL DEPTH REFERENCE

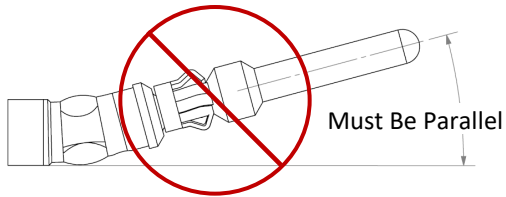


**Hand and Pneumatic die nominal compression depth.
The depth listed below is the depth of the compression during the crimp and
not the depth of the impressions left on the barrel.**

| WIRE | DEPTH IN mm |
|-------------|--------------------|
| #12 AWG | 1.3 |
| #14 AWG | 1.2 |
| #16 AWG | 1 |
| #18 AWG | 1.2 |
| #20 AWG | 1.1 |
| #24 AWG | .7 |

**DUE TO DIFFERENT WIRE STRANDINGS AND HARDNESS FINAL DEPTH OF
THE CRIMP AS MEASURED ON THE BARREL WILL VARY.**

Maintain Contact Geometries

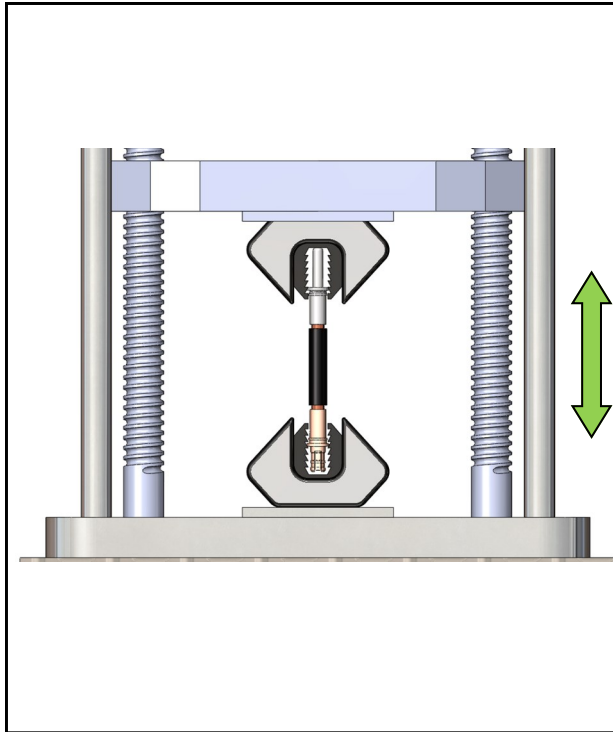


The original geometries of the contact should be maintained after crimping (except in the crimp indent area).

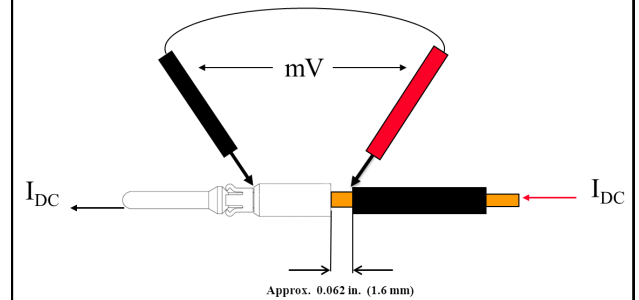
Contact crimp barrel plane should be parallel to the plane of the mating interface of the contact.

No distortion is allowable.

Pull Test Setup



Resistance Test Setup



$$R_{\text{contact}} = V / I_{\text{DC}}$$

Resistance Conversion Formula:
 milli-ohms (mΩ) = milli-Volts(mV) ÷ I_{DC}

APP® published values based on I_{DC} = 5 Amps

The included crimp performance and dimensional information are provided as a means to verify quality crimping of Anderson Power Products® contacts and is based on the use of tooling. The assembly of connector solutions with tooling assures that all crimp performance and fit specifications are met. Customers must regularly re-check electrical performance and dimensions of crimps to determine if crimp tools require maintenance due to wear over time.

The use of tooling not recommended can affect performance and may void the product warranty as well as invalidate safety agency approvals or certifications.

Dimensions of crimps meeting all four performance and fit requirements may be recorded and used as quality acceptance criteria:

| | |
|---------------------------------------|---|
| (1) "Milli-ohm Resistance" | Primary inspection criteria. Crimps which do not meet these minimum specifications are unacceptable. |
| (2) "Wire Pull Out Force" | |
| (3) "Maximum Crimp Barrel Dimensions" | Not to be interpreted as target crimp dimensions. They are the maximum dimensions that allow the contact to properly fit into the connector housing. Actual dimension of acceptable quality crimps will be less than the "Max Dimensions" in at least one if not both dimensions. |
| (4) "Maintain Contact Geometries" | Required to ensure proper contact retention in the housing. Out of specification contacts can increase milli-ohm resistance of an assembled mated pair of connectors. Contacts with unacceptable distortion cause connector mating and unmating forces to deviate from specification. |

Quality crimping of the contact alone does not assure the installed performance of the connector system. Stress loads on the contacts from wires which have been bent or twisted near to the connector's wire exit may severely degrade connector performance. Wires should exit straight from the back of the connector and be secured before bending or twisting.

reserves the right to make changes to either our products and/or support documentation as required without notice. APP® has used reasonable efforts to provide accurate and up-to-date content as of the date of publishing but is not responsible in case of typos or misprints. Customers are responsible to assure they are in possession the most recent documentation available. Current sales drawings and specifications are available on the Website or upon request.

Makes no warranty that the products are appropriate for the customer's application and it is the responsibility of the customer to ensure crimp and connector performance meet end use requirements. does not warranty that tooling will produce acceptable results with non- products.