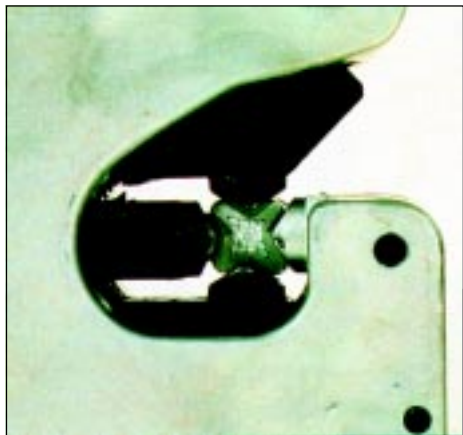


THE ANDERSONTM VERSA-CRIMP[®] SYSTEM

“We’ve revolutionized compression tool technology”



Anderson introduced the industry’s most important change in compression tools . . . the VERSA-CRIMP system. The unveiling of a range-taking mechanism immediately revolutionized the future of compression tool technology. With its unique, patented, pressure-response system utilizing self-contained crimping nibs, the VERSA-CRIMP tool eliminates the need for die-type compression systems.

How VERSA-CRIMP works:

Instead of constantly matching dies, connectors and conductors for proper connections, the dieless nibs of VERSA-CRIMP hydraulic crimping tools allow users to advance a tool opening in a continuous movement, compressing the connector and conductor until the proper pressure for the crimp is achieved as determined by a pre-set hydraulic valve. This major advantage over all other compression systems on the market allows a single VERSA-CRIMP tool to accommodate a range of #10 STR aluminum through 750 kcmil aluminum/copper without tedious die set changes or other tool modifications.

Differing from the typical die-type “fixed-distance” system, VERSA-CRIMP tools are “range-taking.” They operate on a fixed pressure principle, i.e., the self-contained crimping nibs advance from the largest opening to the smallest opening in a continuous action until the preset hydraulic relief valve in the tool senses that the proper force has been applied to the crimp. The valve then “pops off” or releases the pressure in the crimp tool. The valve setting has been determined to be suitable for copper as well as aluminum stranded or solid conductors, in sizes from #10 AWG through 750 kcmil as per tool specifications.



Compared to die-type systems

Most competitive conventional compression tools use a fixed distance principle. This fixed-distance principle is simply one method of squeezing a connector around the conductor. The amount of squeeze is determined by the distance the dies travel before they meet or bottom-out. Circular die sets, hex shaped dies or indenter and nest die designs are all used in fixed-distance crimping systems. When the connector changes due to conductor size changes, the dies must also be changed. Consequently, conventional compression tools must also have a variety of dies or sets of dies.

The old conventional die-type tools require a die set and connector for each conductor size in both aluminum and copper. This makes a total of 31 die sets to cover the range from #8 to 1000 kcmil, as well as connectors for the same range. With VERSA-CRIMP, no dies are required. Period. No dies to lose, drop, mismatch or buy.

Select the right tool for the job

Selecting the proper tool will depend on the conductor range. Either hand tools or battery-operated tools will provide the same quality crimp.



Battery Tools	Conductor Range	Weight (lb.)
VC6-500-BP	#8 Str. - 500 kcmil Al #8 Sol. - 500 kcmil Cu	9.4
VC6-3-BP	#8 Str. - 500 kcmil Al #8 Sol. - 500 kcmil Cu	11.5
VC6-FT-BP	#8 Str. - 750 kcmil Al #8 Str. - 750 kcmil Cu	12.0

Hand Operated	Conductor Range	Weight (lb.)
VC6-350	#8 Str. - 350 kcmil Al #8 Sol. - 300 kcmil Cu	10.0
VC6-FT	#10 Str. - 750 kcmil Al #10 Str. - 750 kcmil Cu	12.75
VC6-3	#10 Str. - 500 kcmil Al #10 Sol. - 500 kcmil Cu	10.5
VC7	#6 Str. - 500 kcmil Cu	10.5
VC7-FT	#6 Str. - 750 kcmil Cu	12.75



Operation manuals are available for all VERSA-CRIMP tool models. Operation procedures may vary slightly depending on the tool. All VERSA-CRIMP tools are available in a remote head version with power unit.

H-frames are used primarily for service entrance applications. The VC6-350 tool has the capability of crimping any H-frame connector that is crimped with the "O" or "D" die.

Can VERSA-CRIMP tools be used on other manufacturers' compression connectors? Yes, Anderson tools can crimp competitors' ANSI C-119.4 rated connectors using the maximum size conductor in the connector. For example, a 4/0 connector can be crimped with 4/0 conductor, 1/0 connector with 1/0 conductor . . . matched size-for-size.

VERSA-CRIMP connectors are designed to be used with VERSA-CRIMP tools and can accommodate cable sizes in a wide variety of forms — terminals, tees, splices and VERSA-PLUG™ cable adapters. VERSA-CRIMP connectors can join most combinations of aluminum and copper conductors.



Making the crimp

Conductor preparation - Strip insulation from the conductor, being careful not to nick the strands. A proper insulation stripping tool or using the “pencil” shaving method is recommended. Thoroughly clean the conductor by wire brushing until a bright shiny surface is obtained. All oxides and foreign matter must be removed. **Note:** Do not wire-brush tin-plated copper conductors or tinned connectors.

How to rotate the head - Open the pressure release valve and then turn tool head to position desired.

How to adjust opening of nibs - For smaller nib openings, use the pump handle to close the crimping nibs to the desired position. Next use light finger pressure and screw **inward** on the advance handle until it meets firm resistance. When maximum die opening is required, screw outward to full stop distance and depress the release plunger.

How to retract crimping nibs - Twist handle in direction shown and depress fully inward. This will move the release finger into position to open the release valve and allow the nibs to retract to their adjusted position. Releasing the handle allows the built-in spring to rotate the handle to a pumping position.

How to crimp a connector by pumping tool - With connector placed properly between nibs, start the crimping action by moving pump handle toward the advance handle, then outward and repeat this process until an audible “click” is heard. This click is a signal that the crimp is complete. Release the crimping nibs as described above.

By using VERSA-CRIMP tools and connectors, there's no worry about matching the conductor size, no worry about selecting the proper connector, no worry about choosing the proper die size. VERSA-CRIMP's dieless feature eliminates human error and saves time and money.

Remember, Anderson invented the dieless, range-taking compression system. So when your requirements call for dependable, easy-to-use and competitively priced compression tools and connectors, continue to demand VERSA-CRIMP, the brand known for quality, performance and reliability . . . from Anderson. ■



<http://www.hubbellpowersystems.com>

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