



A RANGE OF  
**CUTTING  
CRIMPING**  
MULTI PURPOSE  
**HYDRAULIC  
TOOLS FOR**  
ELECTRICAL  
INDUSTRY





## INTRODUCTION

Our product catalogue contains a wide range of cutting, crimping and other multipurpose hydraulic tools which are being generally used in the Electrical Industry. A brief technical write up is here to ensure a PERFECT CRIMPED JOINT always as a JOINT can be considered as the NERVE CENTRE of an Electrical System.

The most commonly used Crimping methods are Indent style and Hexagonal type. Indent style crimping method is usually used for crimping fine stranded and compacted conductors. This style of crimp yields great pullout resistance and good electrical performance when correctly made with a properly sized tool for the cable and connector. As the strands are formed tightly together inside the connector, nearly all air gaps are removed from the conductor. However, it is more difficult to check if an indent style crimp has been properly made compared to hex-style crimps.

Hexagonal type the most common type of crimp, create strong mechanical connections. The advantage of this style crimp is that force is applied consistently from all directions over a larger area during crimping, preventing any damage to the conductors. This style crimp is an industry standard for aluminum and copper cables up to 1000mm<sup>2</sup>. Hex-style crimps yield superior electrical performance in addition to great pullout strength.

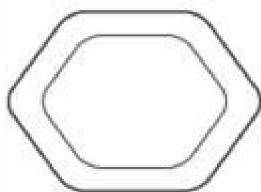


**Indent Crimp Profile**



**Hexagonal Crimp Profile**

## QUICK REFERENCE WHICH TELLS YOU THE CRIMP QUALITY



**Acceptable**



**Not Acceptable-under Crimped**



**Not Acceptable-over Crimped**



## TECHNICAL SPECIFICATIONS FOR MULTI PURPOSE HEADS

### MP-CUTTER-40

Can Cut Conductor upto 45mm dia. &  
can Cut ACSR Conductors upto 40mm dia.



### MP-CRIMPER-300

Can Crimp upto Conductor size 300 Sq.mm.  
Hexagonal dies provided.



### MP-PUNCHER-20

Can Punch Copper and Aluminium Bus Bar  
upto 10mm thickness & Mild Steel upto 7mm thickness.  
Punch sizes available : 10.5mm, 13.5mm, 17.5mm, 20.5mm



### MP-S-CUTTER-50

Can Cut Mild Steel angles upto 50x50 and  
Maximum thickness 6mm.



### MP-N-CRACKER-36

Can Break bolts & nuts of max. size upto 36mm.

