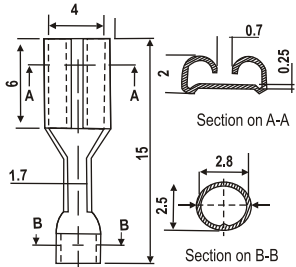
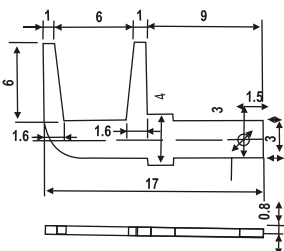
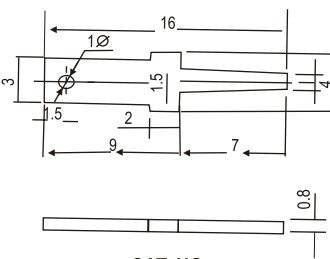
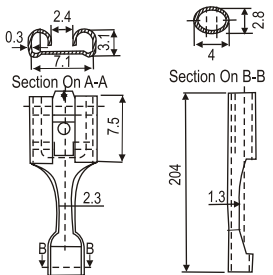
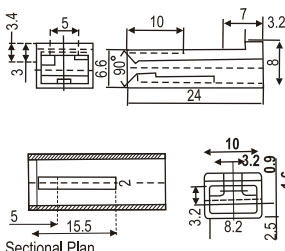
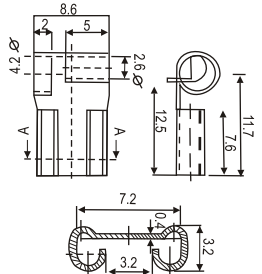
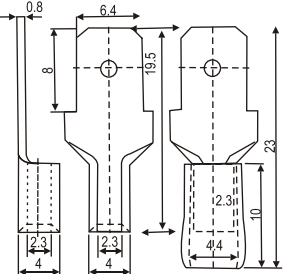
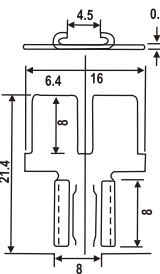
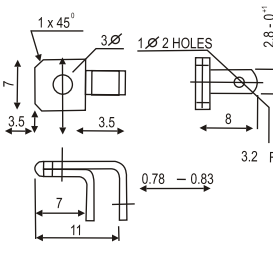
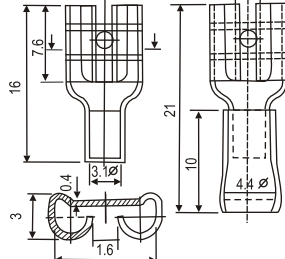
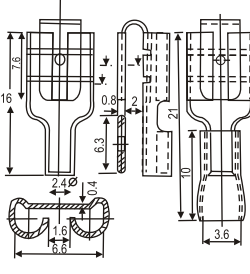

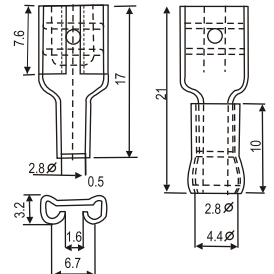


# SNAP ON TERMINALS

Braco Snap On Terminals are made out of Phosphorus bronze These are used in electrical and electronic installations like PCB mounted devices, electronic power relays etc. These can also be provided with insulation.

 <p><b>CAT. NO.</b> 8368</p>	 <p><b>CAT. NO.</b> 8370</p>	 <p><b>CAT. NO.</b> 8369</p>	 <p><b>CAT. NO.</b> 8364</p>	 <p><b>CAT. NO.</b> 8367</p>
 <p><b>CAT. NO.</b> 8178</p>	 <p><b>CAT. NO.</b> 8363/8474</p>	 <p><b>CAT. NO.</b> 8346</p>	 <p><b>CAT. NO.</b> 8214</p>	 <p><b>CAT. NO.</b> 8349/8350</p>
 <p><b>CAT. NO.</b> 8360/8361</p>				 <p><b>CAT. NO.</b> 8347/8348</p>

# SNAP ON TERMINALS

Braco Snap On Terminals are made out of Phosphorus bronze These are used in electrical and electronic installations like PCB mounted devices, electronic power relays etc. These can also be provided with insulation.

<p>CAT. NO. 8351      CAT. NO. 8352</p>	<p>CAT. NO. 8358      CAT. NO. 8359</p>	<p>CAT. NO. 8324      CAT. NO. 8325</p>	<p>CAT. NO. 8354      CAT. NO. 8355</p>	<p>CAT. NO. 8365      CAT. NO. 8475</p>
<p>CAT. NO. 8241      CAT. NO. 8331</p>	<p>CAT. NO. 8366      CAT. NO. 8474</p>	<p>CAT. NO. 8336      CAT. NO. 8362</p>	<p>CAT. NO. 8356      CAT. NO. 8357</p>	<p>CAT. NO. 8347      CAT. NO. 8476</p>
<p>CAT. NO. 8197      CAT. NO. 8353</p>				<p>CAT. NO. 8477</p>

# PROCESS OF MANUFACTURING CABLE LUGS

## SCOPE OF LUGS:

The Cable Lugs are used for termination of cables to the equipments and connectors used to extend the cables. The cable sizes vary as per the electric current requirements. Generally, cable sockets/terminals used shall be of E. C. Grade copper. The cable sockets shall be duly tin plated for outer finish and to with stand the corrosion while storage and use.

## PROCESS

### A) EXTRUSIONS :

The cable Lugs & Connectors of various sizes are manufactured out of copper EC Grade wire bars. These wire bars are cut into 3 to 4 parts for melting. These are refined and cast into round ingots as per required sizes. These ingots under go a process of cutting, which finally turns into the extrusion billets. These billets are drilled as per required I.D. of the internal diameter of tubes. These are further heated in gas fired furnaces to appropriate extrusion temperature. The heated billets are then extruded by hydropneumatic press into the mother tubes of required sizes. Three types of mother tubes are used for copper cable sockets.

<b>I.D.</b>	<b>50</b>	<b>38</b>	<b>37.5</b>
<b>O.D.</b>	<b>64</b>	<b>50</b>	<b>40</b>

### B) TUBE DRAW:

The copper mother tubes are finally made to required size of copper tubes which vary as per size of cable. The chart shows the various sizes of copper tubes used. The dimension 'C' is O. D. and 'A' is I. D. of Tube required for the particular cable terminal. The process is called tube drawing process. The mother tubes are drawn in draw bench with required T.C. dies of O.D, and plug for required I. D.

During the process the copper undergoes annealing process and each time the tube is made to smaller size by swaging machine so that the pipe to be pulled at the beginning of pipe. This swaged pipes are pulled in draw bench every time it passes through small T.C. dies to reduce the diameters and every time these are annealed in heating furnace which gives burning and annealing loss.

### C) CABLE LUGS MANUFACTURING:

The drawn tubes are finally cut into pieces in cutting machine to the required length of cable lugs and are chamfered. The cut tubes are finally annealed in annealing furnace and forged to make the palm of socket and in cutting process the front arc and hole is made. The lugs are then marked with required code number and size of cable. After this the lugs are ready for plating.

### D) TINNING PROCESS

The cable lugs are finally acid tinned in the plating plant. The tinning process is required for surface finish as well as to avoid corrosion whilst storage and use.

The cable sockets are finally checked and packed in boxes with sizes marked on the box. These boxes are finally packed in master carton for the final dispatch in export worthy packing.

All the process checked at each stage are as per the quality assurance plan.