

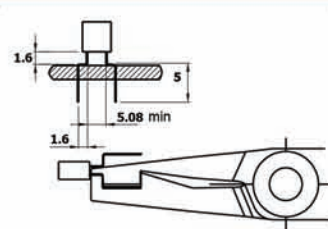


## Special tools "L" shape forming pliers

### PTR 30 LD



**PTR 30 LD:** Tool that forms the component wire in a L shape and cuts off the residual part. Steel thickness 3.0mm. Tool length 150 mm. ESD-safe handles



| Order code | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|------------|-------------|--------------------|--------------------|-------------------|
| PTR 30 LD  | 150         | 3                  | 1.02               | 18                |

## Special tools "TO" forming pliers

### PN 5050D

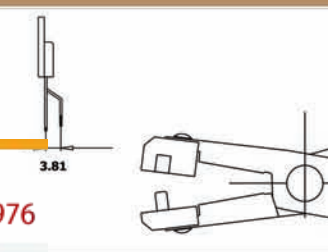


**PN 5050D:** Special tool for the forming of central lead of TO 220 with 3.81mm pitch. Steel thickness 5.0mm. Tool length 155mm.

ESD-safe handles.

技术咨询与报价

电话: 18823303057 QQ:2104028976

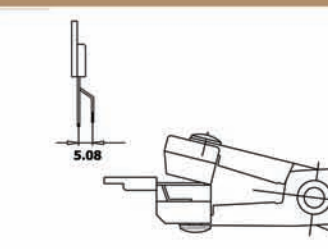


| Order code | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|------------|-------------|--------------------|--------------------|-------------------|
| PN 5050D   | 155         | 3                  | 1.30               | 16                |

### PN 5050/3D



**PN 5050/3D:** Special tool for the forming of central lead of TO 247 and TO 220, 5.08mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

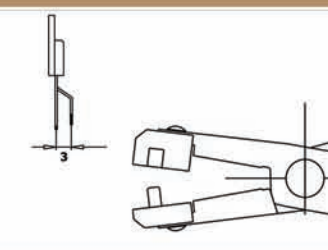


| Order code | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/3D | 158         | 3                  | 1.30               | 16                |

### PN 5050/14D



**PN 5050/14D:** Special tool for the forming of central lead of TO 220, 3.0 mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

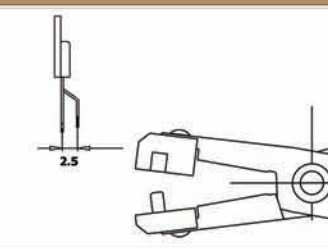


| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/14D | 158         | 3                  | 1.30               | 16                |

### PN 5050/15D



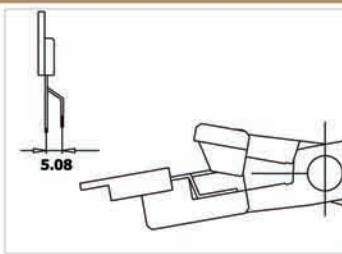
**PN 5050/15D:** Special tool for the forming of central lead of TO 220, 2.54mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/15D | 158         | 3                  | 1.30               | 16                |

**PN 5050/04D**

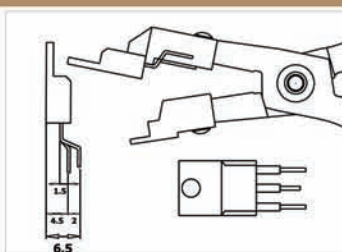
**PN 5050/04D:** Special tool for the forming of side leads of TO 247 and of TO220, 5.08mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



| Order code  | Length (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/04D | 158         | 3                  | 1.30               | 16                |

**PN 5050/60D**

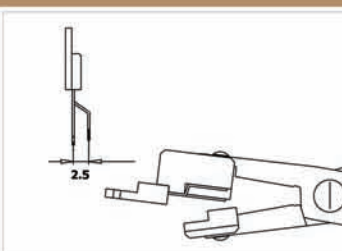
**PN 5050/60D:** Special pliers designed to form the TO-220 and the TO-247 leads. It forms the side leads at 1.5mm pitch and the centre lead at 3.5mm. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



| Order code  | Length (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/60D | 158         | 3                  | 1.30               | 16                |

**PN 5050/10D**

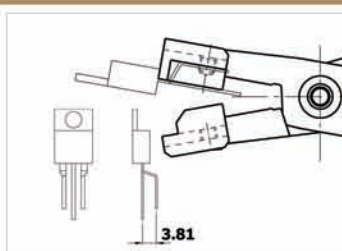
**PN 5050/10D:** Special pliers designed to form the two TO220 and TO 247 side leads at 2.54mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



| Order code  | Length (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/10D | 158         | 3                  | 1.30               | 16                |

**PN 5050/16D**

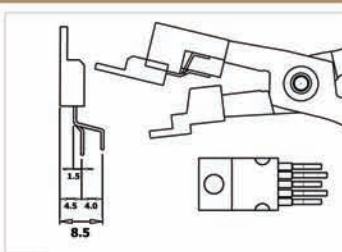
**PN 5050/16D:** Special pliers designed to form the TO 247 and TO220 side leads at 3.81mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



| Order code  | Length (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/16D | 158         | 3                  | 1.30               | 16                |

**PN 5050/19D**

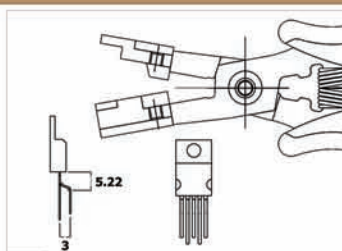
**PN 5050/19D:** Special pliers designed to form the TO220 component leads (5 leads). It forms the 1-3-5 leads at 4mm pitch and the 2-4 leads at 1.5mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



| Order code  | Length (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/19D | 158         | 3                  | 1.30               | 16                |

**PN 5050/38D**

**PN 5050/38D:** Special pliers designed to form the TO220 component leads (5 leads). It forms the 1-3-5 leads at 3mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



| Order code  | Length (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/38D | 158         | 3                  | 1.30               | 16                |

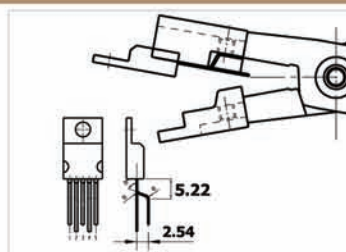




### PN 5050/54D



**PN 5050/54D:** Special tool designed to form TO220 component (5 leads). It forms 1-3-5 leads at 2.54 mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

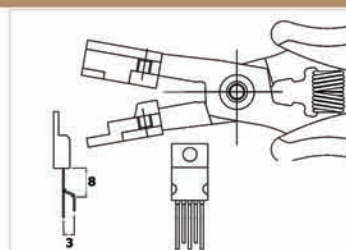


| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/54D | 158         | 3                  | 1.30               | 16                |

### PN 5050/36D



**PN 5050/36D:** Special tool designed to form TO220 component (5 leads). It forms 2-4 leads at 3 mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

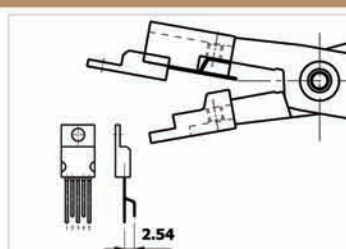


| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/36D | 158         | 3                  | 1.30               | 16                |

### PN 5050/53D



**PN 5050/53D:** Special tool designed to form TO220 component (5 leads). It forms 2-4 leads at 2.54 mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

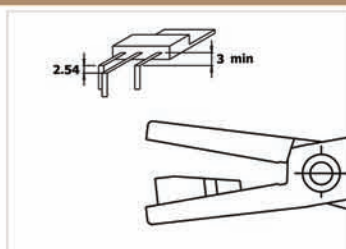


| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/53D | 158         | 3                  | 1.30               | 16                |

### PN 5050/6D



**PN 5050/6D:** Special pliers that enables TO220 component leads to be bent at a 90° angle in a single operation, in such a way that the central lead will be 2.54mm longer than the side leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.0mm. Tool length 155mm. ESD-safe handles.

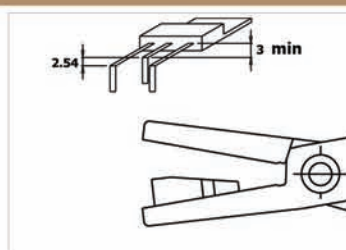


| Order code | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/6D | 155         | 3                  | 1.30               | 16                |

### PN 5050/7D



**PN 5050/7D:** Special pliers that enables TO220 component leads to be bent at a 90° angle in a single operation, in such a way that the central lead will be 2.54mm shorter than the side leads. It is possible to adjust the distance by a sliding foil (min 3 mm). Steel thickness 5.0mm. Tool length 155mm. ESD-safe handles.

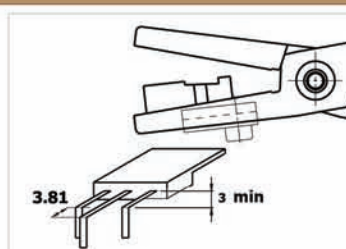


| Order code | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/7D | 155         | 3                  | 1.30               | 16                |

### PN 5050/17D



**PN 5050/17D:** Special pliers that enables TO220 component leads to be bent at a 90° angle in a single operation, in such a way that the central lead will be 3.81mm longer than the side leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.5mm. Tool length 158mm. ESD-safe handles.



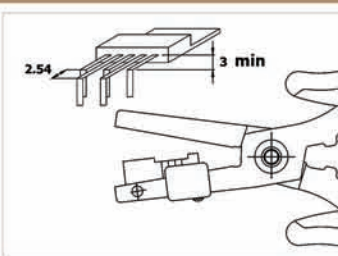
| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/17D | 158         | 3                  | 1.30               | 16                |



## PN 5050/21D



**PN 5050/21D:** Special pliers that enables TO220 component leads (5 leads) to be bent at a 90°angle in a single operation, in such a way that 1-3-5 leads will be 2.54mm shorter than 2-4 leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.0mm. Tool length 155mm. ESD-safe handles.

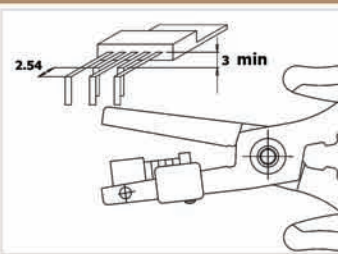


| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/21D | 155         | 3                  | 1.30               | 16                |

## PN 5050/37D



**PN 5050/37D:** Special tool that enables TO220 component leads (5 leads) to be bent at a 90°angle in a single operation, in such a way that 2-4 leads will be 2.54 mm shorter than 1-3-5 leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

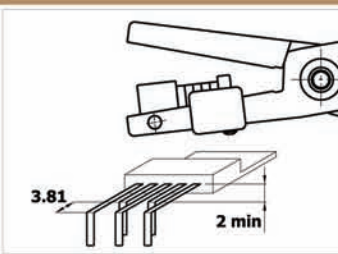


| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/37D | 158         | 3                  | 1.30               | 16                |

## PN 5050/46D



**PN 5050/46:** Special tool that enables TO220 component leads (5 leads) to be bent at a 90°angle in a single operation, in such a way that 2-4 leads will be 3.81 mm shorter than 1-3-5 leads. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.5mm. Tool length 158mm. ESD-safe handles.

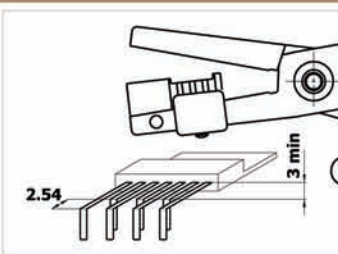


| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/46D | 158         | 3                  | 1.30               | 16                |

## PN 5050/47D



**PN 5050/47D:** Special tool that enables TO220 component leads (7 leads) to be bent at a 90°angle in a single operation, in such a way that 2-4- 6 leads will be 2.54 mm shorter than 1-3-5-7. It is possible to adjust the distance by a sliding foil (min. 3mm). Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

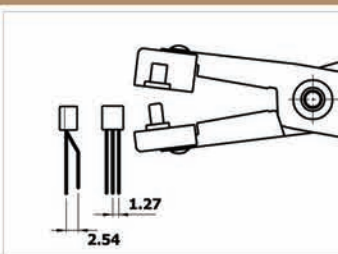


| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/47D | 158         | 3                  | 1.30               | 16                |

## PN 5050/49D



**PN 5050/49D:** Special pliers designed to form the central lead of TO 92 with 2.54mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.

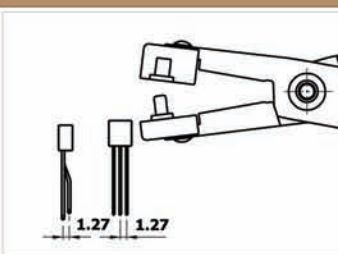


| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/49D | 158         | 3                  | 1.30               | 16                |

## PN 5050/25D



**PN 5050/25D:** Special pliers designed to form the central lead of TO 92 with 1.27mm pitch. Steel thickness 5.0mm. Tool length 158mm. ESD-safe handles.



| Order code  | Lenght (mm) | Cutting force (kg) | Copper wire (Ø mm) | Copper wire (awg) |
|-------------|-------------|--------------------|--------------------|-------------------|
| PN 5050/25D | 158         | 3                  | 1.30               | 16                |