

# MECHANIC HAND TOOLS

## PLIERS, PINCERS

### PLASTIC CUTTING NIPPER (คีมตัดพลาสติก)

|                                    |           |
|------------------------------------|-----------|
| Flush Cutting Nippers Polished     | P.008     |
| Catch Nippers                      | P.008     |
| Plastic Cutting Nippers            | P.008-011 |
| Thin Blade Plastic Cutting Nippers | P.008     |
| Protech Nipper                     | P.009     |
| End Plastic Cutting Nipper         | P.009     |
| Angle Plastic Cutting Nipper       | P.009     |
| Plastic Cutting Nipper with Spring | P.011     |
| Plastic Cutting Pliers             | P.012     |

### MINI NIPPER (คีมตัดลวด)

|                                              |           |
|----------------------------------------------|-----------|
| Flush Cutting Nippers                        | P.012     |
| Minitech Small Nipper                        | P.012     |
| Mini Cutting Nipper                          | P.012-013 |
| Standard Nipper                              | P.013     |
| Protect Nipper                               | P.013-014 |
| Micro Diagonal Cutting Nipper                | P.014     |
| Stripping Nipper                             | P.014     |
| Angle Cutting Nipper                         | P.014     |
| Heavy Duty Standard Nipper                   | P.014     |
| Minitech Board Nipper                        | P.014     |
| Micro Cutting Nipper with Spring             | P.015     |
| Midget Semi-Flush Cutting Nipper with Spring | P.015     |

### DIAGONAL CUTTING PLIERS (คีมตัด)

|                                         |           |
|-----------------------------------------|-----------|
| Diagonal Cutting Pliers                 | P.015-017 |
| Heavy Duty Cutting Nipper               | P.015-016 |
| High Power Nipper                       | P.016     |
| End Cutting Nipper                      | P.017     |
| Electrical Work Diagonal Cutting Nipper | P.017     |
| Diagonal Pliers                         | P.017     |
| Diagonal Cutting Plier with Hang Tag    | P.018     |
| Diagonal Cutting Mini Pliers            | P.018     |

### LONG NOSE PLIERS (คีมปากแหลม)

|                                       |           |
|---------------------------------------|-----------|
| Bent Nose Pliers                      | P.018-019 |
| Long Nose Pliers                      | P.018-021 |
| Flat Nose Pliers                      | P.018     |
| Round Nose Pliers                     | P.018     |
| Minitech Short Nose Pliers            | P.019     |
| Minitech Bent Short Nose Pliers       | P.019     |
| Multi-Purpose Long Nose Pliers        | P.019     |
| Long Nose Pliers with Spring          | P.020     |
| Long Flat Nose Pliers                 | P.020     |
| Minitech Super Micro Long Nose Pliers | P.020     |
| Minitech Tweezer Long Nose Pliers     | P.020-021 |
| Screw Pliers                          | P.021     |
| Long Nose Cutting Pliers              | P.021     |
| Long Nose Pliers with Hang Tag        | P.021-022 |
| Long Nose Mini Pliers                 | P.022     |

### COMBINATION PLIERS (คีมปากจิ้งจก)

|                                          |       |
|------------------------------------------|-------|
| Combination Pliers Mastercut             | P.022 |
| Combination Pliers Polished Bimat        | P.022 |
| Lineman's Pliers Polished                | P.022 |
| High Leverage side Cutting Pliers "Zero" | P.023 |
| Lineman's Pliers                         | P.023 |
| High Leverage Lineman's Pliers           | P.023 |
| Lineman's Crimp Pliers                   | P.023 |
| High Leverage Lineman's Crimp Pliers     | P.023 |
| Side Cutting Pliers                      | P.024 |
| Combination Pliers                       | P.024 |
| Combination Pliers with Hang Tag         | P.024 |
| 3Pcs. Pliers Set                         | P.024 |

### STAINLESS (คีมสแตนเลส)

|                                   |       |
|-----------------------------------|-------|
| Plastic Cutting Nipper            | P.025 |
| Stainless Standard Nipper         | P.025 |
| Stainless Bent Needle Nose Pliers | P.025 |
| Stainless Ling Nose Pliers        | P.025 |

### CABLE CUTTER (คีมตัดสายเคเบิล)

|                    |           |
|--------------------|-----------|
| Cable Cutter       | P.026     |
| Tower Pincer       | P.026     |
| Cable Handy Cutter | P.026-027 |

### BOLT CUTTER (กรรไกรตัดเหล็ก)

|                   |       |
|-------------------|-------|
| Bolt Cutters      | P.027 |
| Mini Bolt Cutters | P.028 |

### HEAVY DUTY DIAGONAL CLIPPERS (คีมตัดลวดงานหนัก)

|                              |       |
|------------------------------|-------|
| Heavy Duty Diagonal Clippers | P.028 |
| Wire Cutter                  | P.028 |

### CIRCLIPS PLIERS (คีมถ่าง - หุบแหวน)

|                                            |       |
|--------------------------------------------|-------|
| Circlips Pliers External Straight          | P.029 |
| Circlips Pliers External Bent              | P.029 |
| Circlips Pliers Internal Straight          | P.029 |
| Circlips Pliers Internal Bent              | P.029 |
| Set 4 Pliers Circlips                      | P.030 |
| Circlips Pliers Multi Circlips             | P.030 |
| Snap Ring Pliers External Open (Bent)      | P.031 |
| Snap Ring Pliers External Open (Straight)  | P.031 |
| Snap Ring Pliers Internal Close (Bent)     | P.031 |
| Snap Ring Pliers External Close (Straight) | P.031 |
| Snap Ring Pliers Detachable claw           | P.031 |
| Internal Straight Snap Ring Pliers         | P.032 |
| Internal Bent Snap Ring Pliers             | P.032 |
| External Straight Snap Ring Pliers         | P.032 |
| External Bent Snap Ring Pliers             | P.032 |
| 4PCS Snap Ring Pliers Set                  | P.032 |

### WATER PUMP PLIERS (คีมคอม้า)

|                                          |       |
|------------------------------------------|-------|
| Box Joint Pincer TITACROM with Handle    | P.032 |
| Box Joint Pincer TITACROM BIMAT          | P.032 |
| Groove Joint Pincer TATACROM with Handle | P.033 |
| Box Joint Pincer Neat Tips               | P.033 |
| Water Pump Pliers with Spring and Driver | P.033 |
| Water Pump Pliers with Spring            | P.033 |
| Water Pump Pliers                        | P.033 |
| Three-Ply Water Pump Pliers              | P.034 |
| Three-Ply Electric Construction Pliers   | P.034 |
| Havy Duty Pump Pliers                    | P.034 |
| Multi Water Pump Pliers                  | P.034 |
| Deluxe Multi Water Pump Pliers           | P.034 |
| Bladed Multi-Pump Pliers                 | P.034 |

### SLIP JOINT (คีมคอเลื่อน)

|                                                |       |
|------------------------------------------------|-------|
| Slip Joint Plier TITACROM                      | P.035 |
| Slip Joint Pliers (with wire cutting) Hang Tag | P.035 |

### GRIP PLIERS (คีมถือ)

|                                                 |       |
|-------------------------------------------------|-------|
| Multiposition Large Capacity Grip Plier         | P.035 |
| Grip Plier Curved Jaw Without Wire Cutter       | P.035 |
| Grip Plier Curved Jaw With Wire Cutter TITACROM | P.035 |
| Straight Jaw Grip Plier TATACROM                | P.035 |
| Long Nose Jaws Grip Plier TITACROM              | P.036 |
| Sheet Metal Grip Plier TITACROM                 | P.036 |
| Welding Grip Plier TITACROM                     | P.036 |
| C Clamps Grip Plier TITACROM                    | P.036 |
| C Clamps Swivel Pasd Grip Plier TITACROM        | P.036 |
| Grip Plier With Chain                           | P.036 |
| Long Nose Locking Pliers                        | P.037 |
| Curved Jaws Locking Pliers                      | P.037 |

### C CLAMP (ปากกาวัวชี)

|              |       |
|--------------|-------|
| Type G Clamp | P.037 |
| C-Clamp      | P.037 |
| G-Clamp      | P.037 |

### BENCH VICE (ปากกาจับเหล็ก)

|                                     |       |
|-------------------------------------|-------|
| Parallel Bench Vice Fixed           | P.038 |
| Swivel Base for Parallel Bench Vice | P.038 |

# PLIERS, PINCERS

คีม

**EGA Master**  
ART IN INNOVATION  
BE SAFE...BE EFFICIENT

คีมตัดพลาสติก

**FLUSH CUTTING NIPPERS POLISHED**

Tool Kits  
ชุดเครื่องมือ

Pliers  
คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller  
เหล็กดูด

Adjustable  
Wrench  
ประแจเลื่อน

Wrench  
ประแจ

Torque Wrench  
เกจบล็อก

Socket Wrench  
ลูกบ็อก

Screwdriver  
ไขควง

Bits  
ไขควง

Plastic Cutting  
Nipper  
คีมตัดพลาสติก

Mini Nippers  
คีมตัดเล็ก

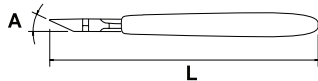
Diagonal Cutting  
Pliers  
คีมตัด

Long Nose Plier  
คีมปากยาว

Combination Plier  
คีมปากจิ้งจอก

Stainless  
คีมสแตนเลส

Cable Cutter  
คีมตัดสายเคเบิล



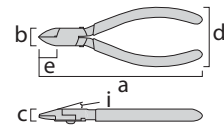
| Order No. | Max Ø Plastic | L   | A   | Weight (g) |
|-----------|---------------|-----|-----|------------|
| 63952     | 7             | 130 | 15° | 100        |



คีมตัดพลาสติกพร้อมจับพิเศษ  
**CATCH NIPPERS**



Cut piece is caught by two plates on the blades and is surely hold without missing, which makes workers efficiency better.



วิธีการใช้งาน และ  
คุณลักษณะ

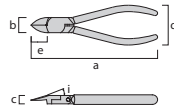
| Order No. | Size (mm) | a   | b  | c   | d  | e    | i  | Shatterproof ability (mm)          | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|----|-----|----|------|----|------------------------------------|--------------|-----------------------------|
| 90CS-125  | 125       | 131 | 14 | 8.5 | 50 | 15.8 | 18 | Ø0.8-2.0<br>(cable tie :100-300mm) | 85           | Ø2.0                        |

คีมตัดพลาสติก

**PLASTIC CUTTING NIPPER (Hard resin)**



A single-edge blade that cuts like it's slicing and reduces burrs on a cut cross section.



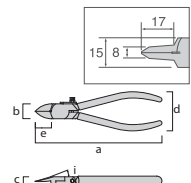
| Order No.   | Size (mm) | a   | b    | c  | d  | e  | i  | Weight (g/w) | Cutting Performance Plastic |
|-------------|-----------|-----|------|----|----|----|----|--------------|-----------------------------|
| HP940-125XR | 125       | 131 | 15.5 | 9  | 50 | 16 | 15 | 90           | Ø3.0                        |
| HP940-150XR | 150       | 154 | 17.5 | 10 | 50 | 20 | 15 | 125          | Ø5.0                        |

คีมตัดพลาสติก

**THIN BLADE PLASTIC CUTTING NIPPER**



Most suitable to cutting works in narrow and deep space because of super-fine shape of blades part.



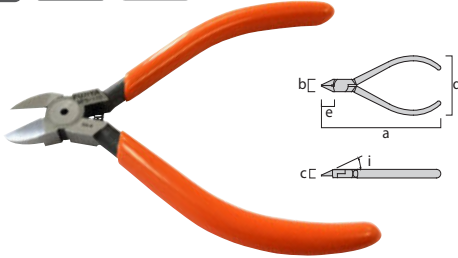
| Order No. | Size (mm) | a   | b    | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|------|-----|----|------|----|--------------|-----------------------------|
| 90PMA-150 | 150       | 156 | 15.5 | 8.5 | 50 | 17.5 | 15 | 110          | Ø2.0                        |

## คีมตัดพลาสติก

### PLASTIC CUTTING NIPPER



Small-type can fit in one's palm and is suitable for delicate work.



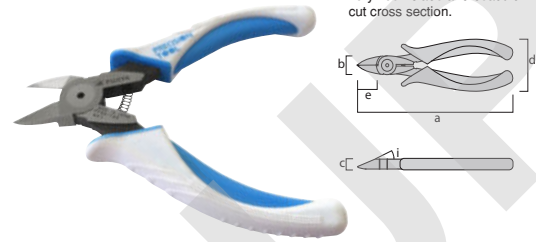
| Order No. | Size (mm) | a   | b  | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|----|-----|----|------|----|--------------|-----------------------------|
| MP5-110   | 110       | 110 | 11 | 7.5 | 53 | 12.7 | 25 | 60           | Ø3.0                        |

## คีมตัดพลาสติก

### PROTECH NIPPER (suitable for cutting through soft plastic)



Blades part are processed by "Micro mirror blade", the leading edge of polishing technology developed by Fujiya, which achieve very keen blade and beautiful cut cross section.



| Order No. | Size (mm) | a   | b  | c   | d  | e  | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|----|-----|----|----|----|--------------|-----------------------------|
| PP90-125  | 125       | 123 | 15 | 8   | 53 | 17 | 17 | 70           | Ø3.0                        |
| PP90-150  | 150       | 150 | 17 | 9.5 | 53 | 21 | 16 | 120          | Ø5.0                        |

## คีมตัดพลาสติกหน้าตรง

### END PLASTIC CUTTING NIPPERS



The pointed nose comes with a blade inside which is excellent for dealing with deeper pin gates and the like.



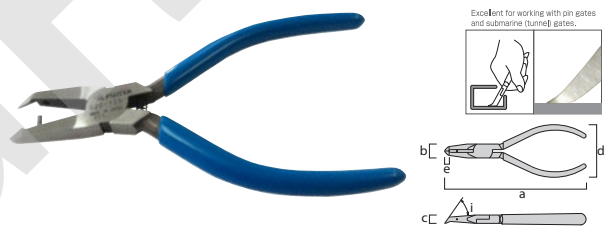
| Order No. | Size (mm) | a   | b    | c  | d  | e  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|------|----|----|----|--------------|-----------------------------|
| 910-125   | 125       | 120 | 13.6 | 6  | 46 | 20 | 70           | Ø3.0                        |
| 910-150   | 150       | 142 | 13.6 | 10 | 46 | 27 | 100          | Ø3.0                        |

## คีมตัดพลาสติก

### ANGLE PLASTIC CUTTING NIPPER



The diagonal blade is beneficial for cutting in narrow spaces.



| Order No. | Size (mm) | a   | b    | c   | d  | e | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|------|-----|----|---|----|--------------|-----------------------------|
| 920-125   | 125       | 125 | 13.6 | 7.5 | 46 | 8 | 34 | 70           | Ø3.0                        |

## คีมตัดพลาสติก

### ANGLE PLASTIC CUTTING NIPPERS



The diagonal blade is beneficial for cutting in narrow spaces.

Excellent for working with pin gates and submarine (tunnel) gates.



| Order No. | Size (mm) | a   | b  | c  | d  | e    | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|----|----|----|------|----|--------------|-----------------------------|
| 50P-150   | 150       | 157 | 15 | 11 | 52 | 24.4 | 25 | 135          | Ø5.0                        |

## คีมตัดพลาสติก

### PLASTIC CUTTING NIPPER (Straight blades)



These are the golden standard of nippers. It makes it harder for springs to drop.



| Order No. | Size (mm) | a   | b    | c  | d  | e  | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|------|----|----|----|----|--------------|-----------------------------|
| GPN-125FS | 125       | 131 | 15.5 | 9  | 50 | 16 | 15 | 90           | Ø3.0                        |
| GPN-150FS | 150       | 154 | 17.5 | 10 | 50 | 20 | 15 | 125          | Ø5.0                        |

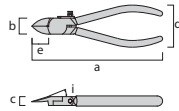
# PLIERS, PINCERS

คีม



คีมตัดพลาสติก

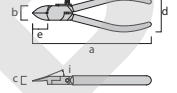
## PLASTIC CUTTING NIPPER (Straight blades)



| Order No. | Size (mm) | a   | b  | c    | d  | e  | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|----|------|----|----|----|--------------|-----------------------------|
| 90A-175   | 175       | 183 | 22 | 10.5 | 49 | 23 | 15 | 190          | Ø6.0                        |
| 90A-200   | 200       | 200 | 25 | 13   | 52 | 25 | 17 | 270          | Ø8.0                        |

คีมตัดพลาสติก

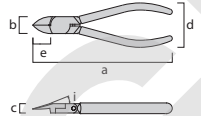
## PLASTIC CUTTING NIPPER (Straight blades)



| Order No. | Size (mm) | a   | b  | c    | d  | e  | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|----|------|----|----|----|--------------|-----------------------------|
| 90AS-150  | 150       | 158 | 19 | 10.5 | 50 | 21 | 17 | 140          | Ø5.0                        |
| 90AS-200  | 200       | 200 | 25 | 13   | 52 | 25 | 17 | 270          | Ø8.0                        |

คีมตัดพลาสติก

## PLASTIC CUTTING NIPPER (Straight blades)

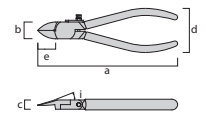
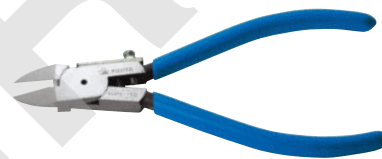


| Order No. | Size (mm) | a   | b    | c  | d  | e  | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|------|----|----|----|----|--------------|-----------------------------|
| FPN-125FS | 125       | 131 | 15.5 | 9  | 50 | 16 | 15 | 90           | Ø3.0                        |
| FPN-150FS | 150       | 154 | 17.5 | 10 | 50 | 20 | 15 | 125          | Ø5.0                        |

\*กรุณาสอบถาม Stock สินค้าจากพนักงานขาย Discontinued Item

คีมตัดพลาสติก

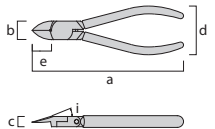
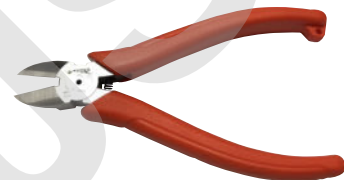
## PLASTIC CUTTING NIPPER (Straight blades)



| Order No. | Size (mm) | a   | b    | c   | d  | e  | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|------|-----|----|----|----|--------------|-----------------------------|
| 90PS-125  | 125       | 132 | 14   | 7.5 | 50 | 17 | 17 | 70           | Ø3.0                        |
| 90PS-150  | 150       | 156 | 15.5 | 9   | 50 | 17 | 16 | 100          | Ø5.0                        |

คีมตัดพลาสติก

## PLASTIC CUTTING NIPPER (Round blades)



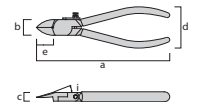
These are the golden standard of nippers. It makes it harder for springs to drop.

| Order No. | Size (mm) | a   | b    | c  | d  | e  | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|------|----|----|----|----|--------------|-----------------------------|
| GPN-125RS | 125       | 131 | 15.5 | 9  | 50 | 16 | 15 | 90           | Ø3.0                        |
| GPN-150RS | 150       | 154 | 17.5 | 10 | 50 | 20 | 15 | 125          | Ø5.0                        |

\*กรุณาสอบถาม Stock สินค้าจากพนักงานขาย Discontinued Item หากสินค้าหมด เปลี่ยนเป็นรุ่น FPN-125RS, FPN-150RS

คีมตัดพลาสติก

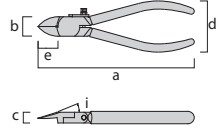
## PLASTIC CUTTING NIPPER (Round blades)



| Order No. | Size (mm) | a   | b  | c    | d  | e    | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|----|------|----|------|----|--------------|-----------------------------|
| 90-175    | 175       | 183 | 22 | 10.5 | 49 | 24.2 | 15 | 190          | Ø6.0                        |

## คีมตัดพลาสติก

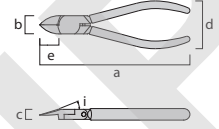
### PLASTIC CUTTING NIPPER (Round blades)



| Order No. | Size (mm) | a   | b  | c    | d  | e    | i    | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|----|------|----|------|------|--------------|-----------------------------|
| 90S-110   | 110       | 131 | 14 | 8.5  | 50 | 15.6 | 15.9 | 80           | Ø3.0                        |
| 90S-125   | 125       | 131 | 14 | 8.5  | 50 | 15.8 | 18.4 | 90           | Ø3.0                        |
| 90S-150   | 150       | 158 | 19 | 10.5 | 50 | 22.2 | 17   | 140          | Ø5.0                        |

## คีมตัดพลาสติก

### PLASTIC CUTTING NIPPER (Round blades)



| Order No. | Size (mm) | a   | b    | c  | d  | e  | i  | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|------|----|----|----|----|--------------|-----------------------------|
| FPN-125RS | 125       | 131 | 15.5 | 9  | 50 | 16 | 15 | 90           | Ø3.0                        |
| FPN-150RS | 150       | 154 | 17.5 | 10 | 50 | 20 | 15 | 125          | Ø5.0                        |

\*กรุณาสอบถาม Stock สินค้าจากพนักงานขาย Discontinued Item

#### Tool Kits

ชุดเครื่องมือ

#### Pliers

คีม

#### Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

#### Gear Puller

เพลาชัก

#### Adjustable Wrench

ประแจเลื่อน

#### Wrench

ประแจ

#### Torque Wrench

เกจบิด

#### Socket Wrench

ลูกบ่อน

#### Screwdriver

ไขควง

#### Bits

ไขควง

#### Plastic Cutting Nipper

คีมตัดพลาสติก

#### Mini Nippers

คีมตัดลวด

#### Diagonal Cutting Pliers

คีมตัด

#### Long Nose Plier

คีมปากยาว

#### Combination Plier

คีมปากจิ้งจก

#### Stainless

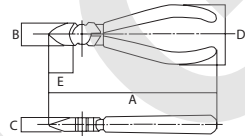
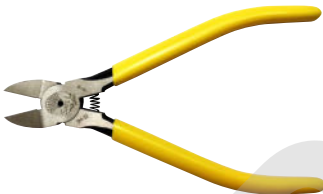
คีมสแตนเลส

#### Cable Cutter

คีมตัดสายเคเบิ้ล

## คีมตัดพลาสติกมีสปริง

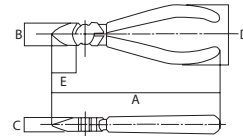
### PLASTIC CUTTING NIPPER WITH SPRING (Flat or Round)



| Order No. | Size (mm) | A   | B  | C | D  | E  | Weight (g/w) | Cutting Ability (mm) |
|-----------|-----------|-----|----|---|----|----|--------------|----------------------|
| SM-22     | 150       | 162 | 19 | 8 | 50 | 22 | 110          | Ø5.0                 |

## คีมตัดพลาสติกมีสปริง

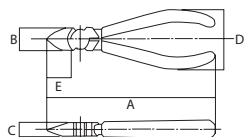
### PLASTIC CUTTING NIPPER WITH SPRING (Flat or Round)



| Order No. | Size (mm) | A   | B  | C | D  | E  | Weight (g/w) | Cutting Ability (mm) |
|-----------|-----------|-----|----|---|----|----|--------------|----------------------|
| SM-23     | 150       | 132 | 17 | 8 | 50 | 20 | 90           | Ø4.0                 |

## คีมตัดพลาสติกมีสปริง

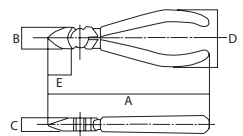
### PLASTIC CUTTING NIPPER WITH SPRING (Flat or Round)



| Order No. | Size (mm) | A   | B  | C | D  | E  | Weight (g/w) | Plastic | Copper wire | Stranded wire |
|-----------|-----------|-----|----|---|----|----|--------------|---------|-------------|---------------|
| SM-3      | 115       | 118 | 14 | 8 | 50 | 15 | 60           | Ø3.0    | Ø2.0        | 2.0mm²        |

## คีมตัดพลาสติกมีสปริง

### PLASTIC CUTTING NIPPER WITH SPRING (Flat Type)



| Order No. | Size (mm) | A   | B  | C  | D  | E  | Weight (g/w) | Plastic | Copper wire | Stranded wire |
|-----------|-----------|-----|----|----|----|----|--------------|---------|-------------|---------------|
| SM-35     | 175       | 190 | 22 | 11 | 52 | 24 | 220          | Ø6.0    | Ø2.0        | 5.5mm²        |



# PLIERS, PINCERS

คีม



คีมตัดพลาสติก

## PLASTIC CUTTING PLIERS



Tool Kits  
ชุดเครื่องมือ

Pliers  
คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller  
เหล็กดูด

Adjustable  
Wrench  
ประแจเลื่อน

Wrench  
ประแจ

Torque Wrench  
เกจบิด

Socket Wrench  
ลูกบิด

Screwdriver  
ไขควง

Bits  
ไขควง

Plastic Cutting  
Nipper  
คีมตัดพลาสติก

Mini Nippers  
คีมตัดเล็ก

Diagonal Cutting  
Pliers  
คีมตัด

Long Nose Plier  
คีมปากยาว

Combination Plier  
คีมปากจิ้งจอก

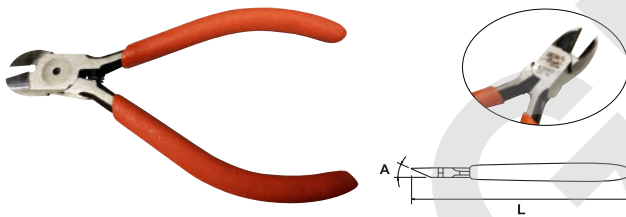
Stainless  
คีมสแตนเลส

Cable Cutter  
คีมตัดสายเคเบิล



คีมตัดลวด

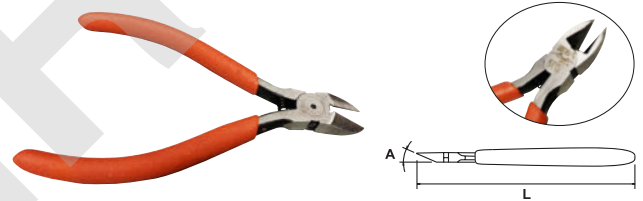
## FLUSH CUTTING PLIERS (Rounded head)



| Order No. | L (mm) | A (°) | Max Ø Cu-Ni | Weight (g) |
|-----------|--------|-------|-------------|------------|
| 63950     | 130    | 25    | 1.2         | 70         |

คีมตัดลวด

## FLUSH CUTTING PLIERS (Triangle shape head)

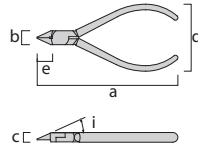


| Order No. | L (mm) | A (°) | Max Ø Cu-Ni | Weight (g) |
|-----------|--------|-------|-------------|------------|
| 63951     | 130    | 25    | 1.2         | 75         |



คีมตัดลวด

## MINITECH SMALL NIPPER



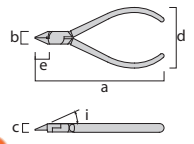
| Order No. | Size (mm) | a   | b  | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Twisted wire | Cutting Performance Stainless wire |
|-----------|-----------|-----|----|-----|----|------|----|--------------|--------------------------------|----------------------------------|------------------------------------|
| MP4-110   | 110       | 104 | 11 | 7.5 | 11 | 10.3 | 25 | 60           | Ø1.0                           | Ø2.0                             | Ø1.6                               |

คีมตัดลวด

## MINI CUTTING NIPPERS



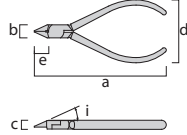
Excellent for dealing with very delicate cuts due to small, narrow blades.



| Order No. | Size (mm) | a   | b  | c   | d  | e  | i    | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Stainless wire |
|-----------|-----------|-----|----|-----|----|----|------|--------------|--------------------------------|------------------------------------|
| MP11-100  | 100       | 102 | 10 | 6.5 | 49 | 10 | 23.7 | 40           | Ø0.6                           | Ø1.0                               |

## คีมตัดลวด

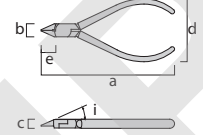
### MINI CUTTING NIPPERS



| Order No. | Size (mm) | a   | b    | c   | d  | e  | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|-----|----|----|----|--------------|--------------------------------|---------------------------------|
| 12S-120   | 120       | 122 | 12.5 | 8.5 | 50 | 12 | 24 | 75           | Ø0.8                           | Ø1.2                            |

## คีมตัดลวด

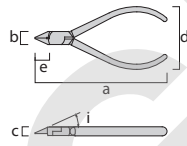
### MINI CUTTING NIPPERS



| Order No. | Size (mm) | a   | b    | c   | d  | e  | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|-----|----|----|----|--------------|--------------------------------|---------------------------------|
| FMN-125S  | 132       | 132 | 13.6 | 6.5 | 50 | 13 | 23 | 70           | Ø1.6                           | Ø2.0                            |

## คีมตัดลวด

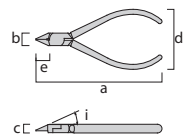
### STANDARD NIPPERS



| Order No. | Size (mm) | a   | b    | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|-----|----|------|----|--------------|--------------------------------|---------------------------------|
| 60-125    | 125       | 130 | 14   | 8.5 | 51 | 17.5 | 23 | 85           | Ø1.2                           | Ø2.0                            |
| 60-150    | 150       | 152 | 16.1 | 10  | 53 | 21.2 | 23 | 115          | Ø1.6                           | Ø2.6                            |

## คีมตัดลวด

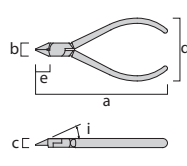
### MICRO DIAGONAL CUTTING NIPPERS



| Order No. | Size (mm) | a   | b  | c   | d  | e  | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Plano wire |
|-----------|-----------|-----|----|-----|----|----|----|--------------|--------------------------------|---------------------------------|--------------------------------|
| FCN-05    | 125       | 126 | 13 | 6.8 | 49 | 15 | 22 | 70           | Ø1.6                           | Ø0.15-2.0                       | Ø2.0                           |

## คีมตัดลวด

### STANDARD NIPPERS



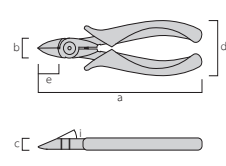
| Order No. | Size (mm) | a   | b    | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|-----|----|------|----|--------------|--------------------------------|---------------------------------|
| 60S-125   | 125       | 130 | 14   | 8.5 | 51 | 17.5 | 23 | 80           | Ø1.2                           | Ø2.0                            |
| 60S-150   | 150       | 152 | 16.1 | 10  | 53 | 21.2 | 23 | 120          | Ø1.6                           | Ø2.6                            |

## คีมตัดลวด

### PROTECH NIPPERS



Micro mirror blade model.



| Order No. | Size (mm) | a   | b  | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|-----|----|------|----|--------------|--------------------------------|---------------------------------|
| PP60-125  | 125       | 123 | 15 | 8   | 53 | 18   | 23 | 70           | Ø1.2                           | Ø2.0                            |
| PP60-150  | 150       | 150 | 17 | 9.5 | 53 | 21.2 | 23 | 120          | Ø1.6                           | Ø2.6                            |

#### Tool Kits

ชุดเครื่องมือ

#### Pliers

คีม

#### Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

#### Gear Puller

เพลาชัก

#### Adjustable Wrench

ประแจเลื่อน

#### Wrench

ประแจ

#### Torque Wrench

เกจบิด

#### Socket Wrench

ลูกบ่อน

#### Screwdriver

ไขควง

#### Bits

ไขควง

#### Plastic Cutting Nipper

คีมตัดพลาสติก

#### Mini Nippers

คีมตัดลวด

#### Diagonal Cutting Pliers

คีมตัด

#### Long Nose Plier

คีมปากยาว

#### Combination Plier

คีมปากจิ้งจก

#### Stainless

คีมสแตนเลส

#### Cable Cutter

คีมตัดสายเคเบิล

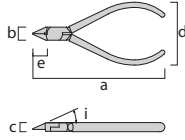
# PLIERS, PINCERS

คีม



## คีมตัดลวด

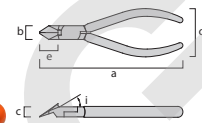
### STRIPPING NIPPERS



| Order No.     | Size (mm) | a   | b  | c  | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|---------------|-----------|-----|----|----|----|------|----|--------------|--------------------------------|---------------------------------|
| <b>10-125</b> | 125       | 132 | 14 | 10 | 51 | 23.5 | 22 | 90           | Ø1.2                           | Ø2.0                            |
| <b>10-150</b> | 150       | 152 | 15 | 10 | 52 | 23.5 | 22 | 110          | Ø1.6                           | Ø2.6                            |

## คีมตัดลวด

### ANGLE CUTTING NIPPERS



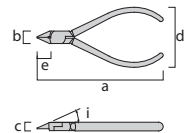
| Order No.      | Size (mm) | a   | b  | c  | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|----------------|-----------|-----|----|----|----|------|----|--------------|--------------------------------|---------------------------------|
| <b>50S-125</b> | 125       | 132 | 14 | 10 | 52 | 23.2 | 35 | 100          | Ø1.2                           | Ø2.0                            |
| <b>50S-150</b> | 150       | 157 | 15 | 11 | 53 | 24.4 | 35 | 130          | Ø1.2                           | Ø2.6                            |

## คีมตัดลวด (ปากคาร์ไบด์)

### HEAVY DUTY STANDARD NIPPER with carbide blade



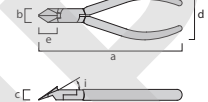
Compared to regular nippers, the blades are much stronger.



| Order No.       | Size (mm) | a   | b    | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire |
|-----------------|-----------|-----|------|-----|----|------|----|--------------|--------------------------------|---------------------------------|--------------------------------|
| <b>460S-125</b> | 125       | 130 | 14   | 8.5 | 50 | 17.5 | 23 | 80           | Ø1.2                           | Ø2.0                            | Ø0.5                           |
| <b>460S-150</b> | 150       | 149 | 16.1 | 10  | 52 | 21.2 | 23 | 120          | Ø1.6                           | Ø2.6                            | Ø0.5                           |

## คีมตัดลวด

### ANGLE CUTTING NIPPERS



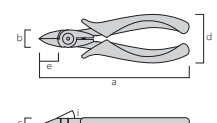
| Order No.      | Size (mm) | a     | b  | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|----------------|-----------|-------|----|-----|----|------|----|--------------|--------------------------------|---------------------------------|
| <b>50A-100</b> | 100       | 111.5 | 12 | 8.5 | 47 | 17.5 | 37 | 60           | Ø1.0                           | Ø1.2                            |
| <b>50A-125</b> | 125       | 132   | 14 | 10  | 52 | 23.2 | 35 | 125          | Ø1.2                           | Ø2.0                            |
| <b>50A-150</b> | 150       | 157   | 15 | 11  | 53 | 24.4 | 35 | 150          | Ø1.2                           | Ø2.6                            |
| <b>50A-175</b> | 175       | 183   | 19 | 13  | 55 | 29   | 42 | 175          | Ø1.5                           | Ø3.0                            |

## คีมตัดลวด (ปากคาร์ไบด์)

### PROTECH NIPPERS with carbide blade



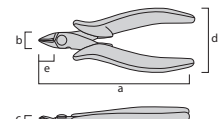
Compared to regular nippers, the blades are much stronger.



| Order No.        | Size (mm) | a   | b  | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire |
|------------------|-----------|-----|----|-----|----|------|----|--------------|--------------------------------|---------------------------------|--------------------------------|
| <b>PP460-125</b> | 125       | 123 | 15 | 8   | 53 | 18   | 23 | 70           | Ø1.2                           | Ø2.0                            | Ø0.3                           |
| <b>PP460-150</b> | 150       | 150 | 17 | 9.5 | 53 | 21.2 | 23 | 120          | Ø1.6                           | Ø2.6                            | Ø0.5                           |

## คีมตัดลวด

### MINITECH BOARD NIPPERS



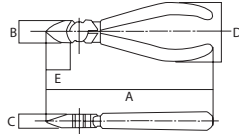
| Order No.        | Size (mm) | a   | b    | c | d  | e | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|------------------|-----------|-----|------|---|----|---|----|--------------|--------------------------------|---------------------------------|
| <b>MTN03-135</b> | 135       | 138 | 13.5 | 5 | 53 | 8 | 21 | 65           | Ø0.8                           | Ø1.3                            |





## คีมตัดลวดแบบมีสปริง

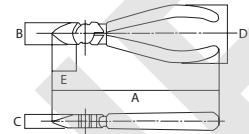
### MICRO CUTTING NIPPER WITH SPRING



| Order No. | A   | B  | C | D  | E  | Weight (g/w) | Stainless wire | Soft iron wire | Copper wire | Stranded wire      |
|-----------|-----|----|---|----|----|--------------|----------------|----------------|-------------|--------------------|
| SM-1      | 115 | 13 | 8 | 50 | 15 | 65           | Ø0.9           | Ø1.2           | Ø2.0        | 2.0mm <sup>2</sup> |

## คีมตัดลวดแบบมีสปริง

### MIDGET SEMI-FLUSH CUTTING NIPPER WITH SPRING



| Order No. | A   | B  | C | D  | E  | Weight (g/w) | Soft iron wire | Copper wire | Stranded wire      |
|-----------|-----|----|---|----|----|--------------|----------------|-------------|--------------------|
| SM-2      | 115 | 13 | 8 | 50 | 15 | 65           | Ø1.2           | Ø1.8        | 2.0mm <sup>2</sup> |

#### Tool Kits

ชุดเครื่องมือ

#### Pliers

คีม

#### Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

#### Gear Puller

เพลาดูด

#### Adjustable Wrench

ประแจเลื่อน

#### Wrench

ประแจ

#### Torque Wrench

เกจบิด

#### Socket Wrench

ลูกบ็อก

#### Screwdriver

ไขควง

#### Bits

ไขควง

#### Plastic Cutting Nipper

คีมตัดพลาสติก

#### Mini Nippers

คีมตัดลวด

#### Diagonal Cutting Pliers

คีมตัด

#### Long Nose Plier

คีมปากยาว

#### Combination Plier

คีมปากจิ้งจก

#### Stainless

คีมสแตนเลส

#### Cable Cutter

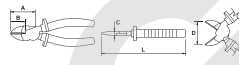
คีมตัดสายเคเบิล

## คีมตัดลวด

### DIAGONAL CUTTING PLIERS



Feature : Cr-V  
DIN 5749



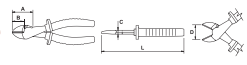
| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|-------------|-----------|-----------------|------------|
| 62299     | 160    | 37     | 23     | 11     | 35     | 3           | 2.5       | 2               | 210        |
| 62350     | 190    | 40     | 25     | 11     | 29     | 3.5         | 2.7       | 2.2             | 250        |

## คีมตัดลวด

### HEAVY DUTY CUTTING NIPPERS



Feature : Cr-V  
DIN 5749



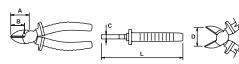
| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|-------------|-----------|-----------------|------------|
| 62300     | 180    | 40     | 21     | 12     | 24     | 3.5         | 2.7       | 2.2             | 350        |
| 62598     | 200    | 40     | 21     | 12     | 22     | 4           | 3         | 2.5             | 380        |

## คีมตัดลวด

### DIAGONAL CUTTING PLIERS



Feature : Cr-V  
DIN 5749



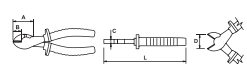
| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|-------------|-----------|-----------------|------------|
| 62459     | 160    | 25     | 20     | 10     | 25     | 3           | 2.2       | 1.5             | 210        |

## คีมตัดลวด

### HEAVY DUTY CUTTING NIPPERS



Feature : Cr-V  
DIN 5749



| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|-------------|-----------|-----------------|------------|
| 62460     | 180    | 43     | 21     | 11     | 25     | 3.2         | 2.5       | 2               | 350        |

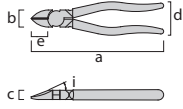
# PLIERS, PINCERS

คีม



คีมตัดลวด

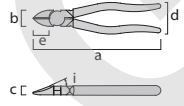
## DIAGONAL CUTTING NIPPERS



| Order No.      | Size (mm) | a   | b  | c    | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance VA • VVF (mm) |
|----------------|-----------|-----|----|------|----|------|----|--------------|--------------------------------|---------------------------------|-----------------------------------|
| <b>770-150</b> | 150       | 162 | 20 | 10.5 | 51 | 21.5 | 22 | 170          | Ø2.0                           | Ø3.0                            | Ø1.6 x 3 core                     |
| <b>770-175</b> | 175       | 186 | 24 | 13   | 51 | 25.9 | 22 | 240          | Ø2.0                           | Ø3.0                            | Ø2.0 x 3 core                     |
| <b>770-200</b> | 200       | 208 | 26 | 13.8 | 51 | 27   | 22 | 320          | Ø2.5                           | Ø3.5                            | Ø2.6 x 3 core                     |

คีมตัดลวด

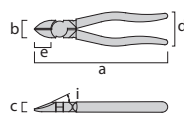
## DIAGONAL CUTTING NIPPERS



| Order No.     | Size (mm) | a   | b  | c   | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire |
|---------------|-----------|-----|----|-----|----|------|----|--------------|--------------------------------|---------------------------------|--------------------------------|
| <b>70-125</b> | 125       | 130 | 14 | 8.5 | 52 | 16.6 | 22 | 80           | Ø1.2                           | Ø2.0                            | Ø0.3                           |
| <b>70-150</b> | 150       | 162 | 19 | 11  | 51 | 22   | 22 | 160          | Ø2.0                           | Ø3.0                            | Ø1.0                           |
| <b>70-175</b> | 175       | 185 | 14 | 12  | 51 | 23.1 | 22 | 230          | Ø2.0                           | Ø3.0                            | Ø1.2                           |

คีมตัดลวดงานหนัก

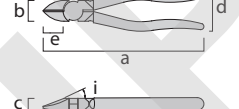
## HEAVY DUTY DIAGONAL CUTTING NIPPERS (with carbide blade)



| Order No.      | Size (mm) | a   | b  | c  | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire |
|----------------|-----------|-----|----|----|----|------|----|--------------|--------------------------------|---------------------------------|--------------------------------|
| <b>470-150</b> | 150       | 162 | 19 | 11 | 50 | 22   | 22 | 160          | Ø2.0                           | Ø3.0                            | Ø1.2                           |
| <b>470-175</b> | 175       | 185 | 24 | 12 | 50 | 23.1 | 22 | 230          | Ø2.0                           | Ø3.0                            | Ø1.2                           |

คีมตัดลวด

## DIAGONAL CUTTING PLIERS

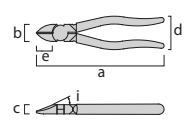


| Order No.       | Size (mm) | a   | b  | c    | d    | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------------|-----------|-----|----|------|------|------|----|--------------|--------------------------------|---------------------------------|
| <b>707S-150</b> | 150       | 156 | 22 | 12.5 | 45.5 | 21.6 | 22 | 170          | Ø2.0                           | Ø3.0                            |

\* Due to the blade being thin, these nippers will not cut through piano wire, spring wire and wire cable.

คีมตัดลวด

## DIAGONAL CUTTING NIPPERS



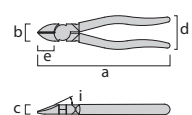
| Order No.      | Size (mm) | a   | b  | c    | d    | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire |
|----------------|-----------|-----|----|------|------|------|----|--------------|--------------------------------|---------------------------------|--------------------------------|
| <b>70H-150</b> | 150       | 163 | 22 | 12.5 | 51   | 20.6 | 22 | 190          | Ø2.0                           | Ø3.0                            | Ø1.0                           |
| <b>70H-175</b> | 175       | 186 | 24 | 13   | 47.5 | 24.9 | 21 | 240          | Ø2.0                           | Ø3.0                            | Ø1.2                           |
| <b>70H-200</b> | 200       | 208 | 26 | 14   | 51   | 24.3 | 22 | 320          | Ø3.0                           | Ø3.0                            | Ø1.2                           |

คีมตัดลวดงานหนัก(รวมย้าสายไฟ)

## HIGH POWER NIPPERS



\*Size works with crimp terminal 1.25 • 2 • 5.5mm<sup>2</sup>



| Order No.      | Size (mm) | a   | b  | c  | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire |
|----------------|-----------|-----|----|----|----|------|----|--------------|--------------------------------|---------------------------------|--------------------------------|
| <b>700-175</b> | 175       | 185 | 24 | 12 | 51 | 23.1 | 22 | 240          | Ø2.2                           | Ø3.0                            | Ø1.2                           |
| <b>700-200</b> | 200       | 202 | 26 | 13 | 51 | 25.9 | 22 | 300          | Ø3.0                           | Ø3.5                            | Ø1.2                           |

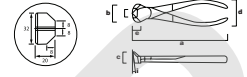


## คีมตัดลวด (ยุโรป) DIAGONAL CUTTING NIPPERS (European type)



| Order No. | Size (mm) | a   | b  | c  | d  | e  | i    | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire |
|-----------|-----------|-----|----|----|----|----|------|--------------|--------------------------------|---------------------------------|--------------------------------|
| 7-200     | 200       | 205 | 31 | 13 | 52 | 21 | 15.4 | 330          | Ø2.5                           | Ø3.5                            | Ø1.2                           |

## คีมตัดลวด END CUTTING NIPPERS



| Order No. | Size (mm) | a   | b  | c    | d  | e  | i   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire |
|-----------|-----------|-----|----|------|----|----|-----|--------------|--------------------------------|---------------------------------|--------------------------------|
| 75-175    | 175       | 177 | 32 | 20.4 | 49 | 21 | 8.5 | 215          | Ø2.0                           | Ø3.0                            | Ø1.2                           |

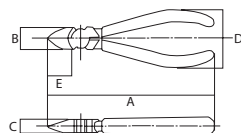
## คีมตัดลวด ELECTRICAL WORK DIAGONAL CUTTING NIPPERS



| Order No. | Size (mm) | a   | b  | c  | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire |
|-----------|-----------|-----|----|----|----|------|----|--------------|--------------------------------|---------------------------------|--------------------------------|
| 70Z-175   | 175       | 191 | 24 | 12 | 54 | 21.3 | 22 | 260          | Ø2.0                           | Ø3.0                            | Ø1.2                           |



## คีมตัดสายไฟ-ลอกสายไฟ DIAGONAL CUTTING NIPPER (with wire stripper)



| Order No. | Size (mm) | A   | B  | C  | D  | E    | Weight (g/w) | Stainless Steel wire | Iron wire | Soft iron line | Copper wire | Stranded wire |
|-----------|-----------|-----|----|----|----|------|--------------|----------------------|-----------|----------------|-------------|---------------|
| ST-316S   | 150       | 161 | 19 | 11 | 51 | 21.3 | 160          | Ø1.2                 | Ø1.2      | Ø2.0           | Ø3.2        | 2.0mm²        |



## คีมตัดปากเฉียง DIAGONAL PLIERS



| Order No. | Size       |
|-----------|------------|
| 90154     | 5" (130mm) |

# PLIERS, PINCERS

คีม



คีมตัดปากเฉียง

## DIAGONAL CUTTING PLIERS WITH HANG TAG



| Order No. | Size |
|-----------|------|
| 90356     | 6"   |

คีมตัดปากเฉียง

## DIAGONAL CUTTING PLIERS WITH HANG TAG



| Order No. | Size |
|-----------|------|
| 90357     | 7"   |

คีมตัดปากเฉียง

## DIAGONAL CUTTING MINI PLIERS



| Order No. | Size   |
|-----------|--------|
| 90401     | 4 1/2" |

คีมตัดปากเฉียง

## DIAGONAL CUTTING PLIERS WITH HANG TAG

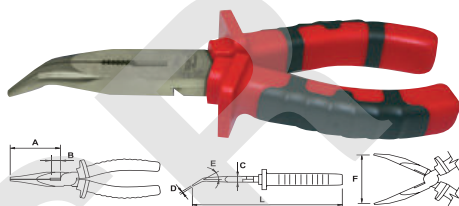


| Order No. | Size |
|-----------|------|
| 90381     | 6"   |



คีมปากแหลมปลายงอ

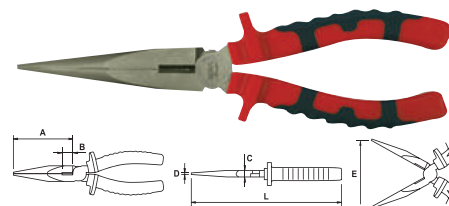
## BENT NOSE PLIERS



Feature : Cr-V  
DIN 5745

คีมปากแหลม

## LONG NOSE PLIER



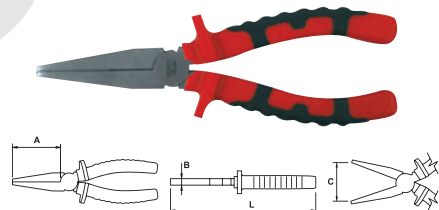
Feature : Cr-V  
DIN 5745

| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (°) | F (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|-------|--------|-------------|-----------|-----------------|------------|
| 62500     | 160    | 50     | 13     | 9.5    | 3      | 32    | 41     | 3           | 2         | 1.5             | 170        |
| 62501     | 200    | 75     | 14     | 9.5    | 3      | 32    | 90     | 3.5         | 2.5       | 2               | 210        |

| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|--------|-------------|-----------|-----------------|------------|
| 62498     | 160    | 55     | 11     | 9.5    | 2.5    | 46     | 3           | 2         | 1.5             | 170        |
| 62499     | 200    | 75     | 15     | 9.5    | 3      | 70     | 3.5         | 2.5       | 2               | 210        |

คีมปากแบนยาว

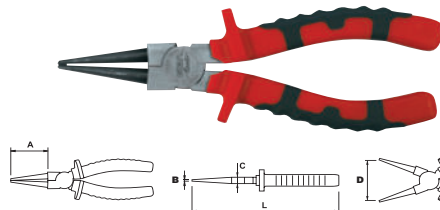
## FLAT NOSE PLIERS



Feature : Cr-V  
DIN 5745

คีมปากแหลมกลม

## ROUND NOSE PLIER



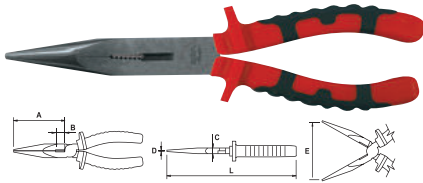
Feature : Cr-V  
DIN 5745

| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|------------|
| 62453     | 160    | 55     | 8.5    | 40     | 150        |

| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|------------|
| 62454     | 160    | 41     | 2      | 10     | 39     | 140        |

## คีมปากแหลม

### LONG NOSE PLIERS

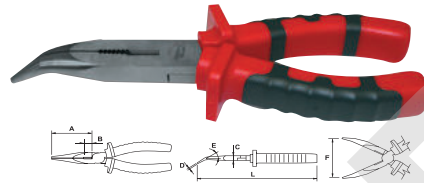


Feature : Cr-V  
DIN 5745

| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|--------|-------------|-----------|-----------------|------------|
| 62455     | 160    | 48     | 12     | 9.5    | 2.3    | 50     | 2.5         | 1.6       | 1               | 150        |
| 62456     | 200    | 70     | 14     | 10.5   | 2.6    | 80     | 3.2         | 2.2       | 1.5             | 190        |

## คีมปากแหลมปลายงอ

### BENT LONG NOSE PLIERS



Feature : Cr-V  
DIN 5745

| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (°) | F (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|-------|--------|-------------|-----------|-----------------|------------|
| 62457     | 160    | 41     | 12     | 9.0    | 2.7    | 32    | 47     | 2.5         | 1.6       | 1               | 150        |
| 62458     | 200    | 65     | 14     | 11     | 3.3    | 32    | 70     | 3.2         | 2.2       | 1.5             | 190        |

#### Tool Kits

ชุดเครื่องมือ

#### Pliers

คีม

#### Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

#### Gear Puller

เพลาดูด

#### Adjustable Wrench

ประแจเลื่อน

#### Wrench

ประแจ

#### Torque Wrench

เกจบิด

#### Socket Wrench

ลูกบ็อก

#### Screwdriver

ไขควง

#### Bits

ไขควง

#### Plastic Cutting Nipper

คีมตัดพลาสติก

#### Mini Nippers

คีมตัดเล็ก

#### Diagonal Cutting Pliers

คีมตัด

#### Long Nose Plier

คีมปากยาว

#### Combination Plier

คีมตัดจิ้งจก

#### Stainless

คีมสแตนเลส

#### Cable Cutter

คีมตัดสายเคเบิล

## คีมปากแหลม ปากเล็กพิเศษ

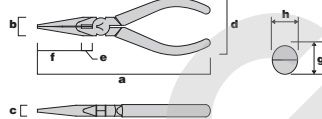
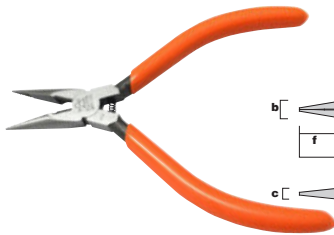
### MINITECH SHORT NOSE PLIERS



With a thin, short nose, these are excellent for precision work.



Jaws are indented in order to assure that gripped items will not slip.



| Order No. | Size (mm) | a   | b    | c   | d  | e | f    | g   | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|-----|----|---|------|-----|-----|--------------|--------------------------------|---------------------------------|
| MP9-110   | 110       | 120 | 11.5 | 7.7 | 52 | 6 | 19.5 | 1.3 | 0.8 | 57           | Ø1.0                           | Ø1.5                            |

## คีมปากแหลม ปากเล็กพิเศษ (ไม่มีฟัน)

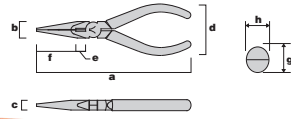
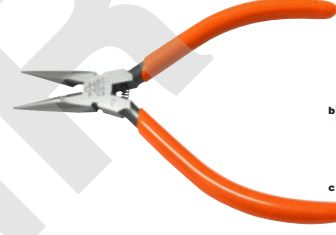
### MINITECH SHORT NOSE PLIERS



Because the nose is thin and short, these are excellent for precision and gripping work.



Jaws are flat in order to not damage anything gripped.



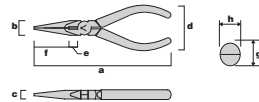
| Order No. | Size (mm) | a   | b    | c   | d  | e | f    | g   | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|-----|----|---|------|-----|-----|--------------|--------------------------------|---------------------------------|
| MP9A-110  | 110       | 120 | 11.5 | 7.7 | 52 | 6 | 19.5 | 1.3 | 0.8 | 57           | Ø1.0                           | Ø1.5                            |

## คีมปากแหลมปลายงอ ปากเล็กพิเศษ

### MINITECH BENT SHORT NOSE PLIERS



Jaws are flat in order to not damage anything gripped.



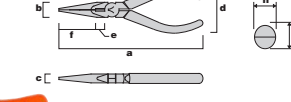
| Order No. | Size (mm) | a   | b    | c   | d  | e | f  | g   | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|-----|----|---|----|-----|-----|--------------|--------------------------------|---------------------------------|
| MP9AT-110 | 110       | 115 | 11.5 | 7.7 | 52 | 6 | 16 | 1.3 | 0.8 | 57           | Ø1.0                           | Ø1.5                            |

## คีมปากแหลมจับน็อต-ย้ำ-ตัด-ปอกสายไฟ

### MULTI-PURPOSE LONG NOSE PLIERS



Jaws are indented in order to assure that gripped items will not slip.



| Order No. | Size (mm) | a   | b  | c  | d  | e  | f    | g   | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|----|----|----|------|-----|-----|--------------|--------------------------------|---------------------------------|
| 320S-150  | 150       | 160 | 17 | 10 | 53 | 10 | 40.5 | 3.0 | 2.5 | 120          | Ø1.5                           | Ø2.6                            |



# PLIERS, PINCERS

คีม



## คีมปากแหลม LONG NOSE PLIERS



\*350-150 only

Tool Kits  
ชุดเครื่องมือ

Pliers  
คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller  
เหล็กดูด

Adjustable  
Wrench  
ประแจเลื่อน

Wrench  
ประแจ

Torque Wrench  
เกจบิดคด

Socket Wrench  
ลูกบิด

Screwdriver  
ไขควง

Bits  
ไขควง

Plastic Cutting  
Nipper  
คีมตัดพลาสติก

Mini Nippers  
คีมตัดเล็ก

Diagonal Cutting  
Pliers  
คีมตัด

Long Nose Plier  
คีมปากยาว

Combination Plier  
คีมปากจิ้งจอก

Stainless  
คีมสแตนเลส

Cable Cutter  
คีมตัดสายเคเบิล

Jaws are indented in order to assure that gripped items will not slip.



| Order No. | Size (mm) | a   | b  | c  | d  | e  | f    | g   | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|----|----|----|------|-----|-----|--------------|--------------------------------|---------------------------------|
| 350-125   | 125       | 142 | 16 | 9  | 52 | 10 | 28.5 | 2.5 | 2   | 95           | Ø1.5                           | Ø2.6                            |
| 350-150   | 150       | 160 | 17 | 10 | 53 | 10 | 40.5 | 3   | 2.5 | 120          | Ø1.5                           | Ø2.6                            |
| 350-200   | 200       | 210 | 21 | 11 | 53 | 10 | 58.5 | 3.5 | 2.5 | 230          | Ø2.0                           | Ø3.0                            |

## คีมปากแหลม LONG NOSE PLIERS



The nose is designed to be long and thin. Convenient when used to work in deeper locations, such as with precision machinery.

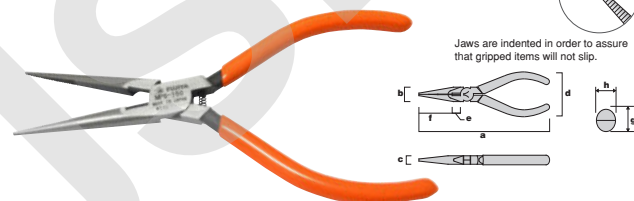


| Order No. | Size (mm) | a   | b    | c | d  | e | f  | g   | h | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|---|----|---|----|-----|---|--------------|--------------------------------|---------------------------------|
| 380-170   | 170       | 172 | 14.5 | 9 | 52 | 9 | 46 | 2.5 | 2 | 110          | Ø1.5                           | Ø2.6                            |

## คีมปากแหลมยาวพิเศษ MINITECH SUPER MICRO LONG NOSE PLIERS



These come with a tough blade which runs all the way to the nose and is difficult to bend.



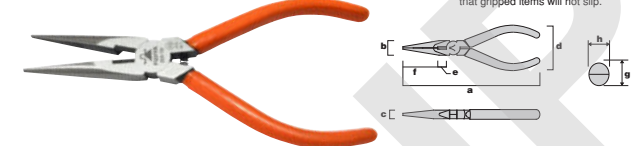
| Order No. | Size (mm) | a   | b    | c   | d  | e   | f    | g   | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|-----|----|-----|------|-----|-----|--------------|--------------------------------|---------------------------------|
| MP6-150   | 150       | 166 | 13.4 | 8.5 | 52 | 8.4 | 47.8 | 2.1 | 1.8 | 100          | Ø1.5                           | Ø2.6                            |

## คีมปากแหลม LONG NOSE PLIERS WITH SPRING



\*350S-150 only

Jaws are indented in order to assure that gripped items will not slip.



| Order No. | Size (mm) | a   | b  | c  | d  | e  | f    | g   | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|----|----|----|------|-----|-----|--------------|--------------------------------|---------------------------------|
| 350S-125  | 125       | 142 | 16 | 9  | 52 | 10 | 28.5 | 2.5 | 3   | 95           | Ø1.5                           | Ø2.6                            |
| 350S-150  | 150       | 160 | 17 | 10 | 53 | 10 | 40.5 | 3   | 2.5 | 120          | Ø1.5                           | Ø2.6                            |

\*หากสินค้าหมดเลิกผลิต เปลี่ยนเป็นรุ่น GR-125S, GR-150S

## คีมปากแหลม (ไม่มีฟัน) LONG FLAT NOSE PLIERS



Jaws are flat in order to not damage anything gripped

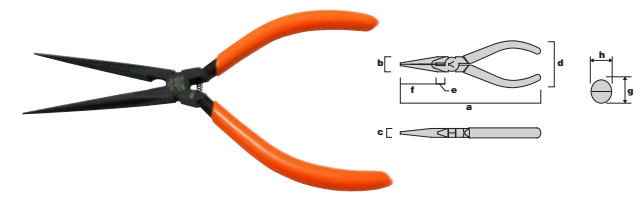


| Order No. | Size (mm) | a   | b  | c | d  | f  | g | h | Weight (g/w) |
|-----------|-----------|-----|----|---|----|----|---|---|--------------|
| 360A-150  | 150       | 157 | 13 | 8 | 53 | 51 | 1 | 7 | 85           |

## คีมปากแหลมยาวพิเศษ (ไม่มีฟัน) MINITECH TWEezer LONG NOSE PLIERS



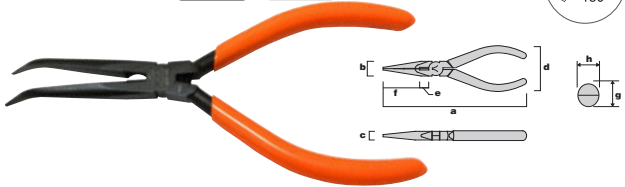
With a thin, short nose, these are excellent for precision work.



| Order No. | Size (mm) | a   | b   | c   | d    | e   | f    | g   | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|-----|-----|------|-----|------|-----|-----|--------------|--------------------------------|---------------------------------|
| MP7-150   | 150       | 148 | 9.5 | 6.8 | 47.5 | 7.5 | 52.6 | 1.8 | 1.2 | 50           | Ø0.8                           | Ø1.2                            |

## คีมปากแหลมปลายงอ ยาวพิเศษ (ไม่มีฟัน)

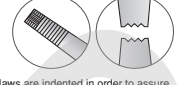
### MINITECH TWEezer LONG NOSE PLIERS



| Order No. | Size (mm) | a   | b   | c   | d    | e   | f  | g   | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|-----|-----|------|-----|----|-----|-----|--------------|--------------------------------|---------------------------------|
| MP8-150   | 150       | 146 | 9.5 | 6.8 | 47.5 | 7.5 | 51 | 1.8 | 1.2 | 50           | Ø0.8                           | Ø1.2                            |

## คีมจับน็อตที่เหลื่อมเสี้ยน

### SCREW PLIERS



| Order No. | Size (mm) | a   | b  | c | d  | f  | h | Applicable screw size | Weight (g/w) |
|-----------|-----------|-----|----|---|----|----|---|-----------------------|--------------|
| SP26-175  | 175       | 172 | 17 | 9 | 50 | 27 | 6 | M2 - M6               | 150          |

## คีมปากแหลมมีสปริง

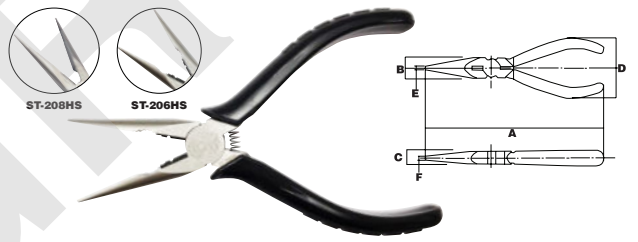
### LONG NOSE CUTTING PLIERS



| Order No. | Size (mm) | A   | B  | C  | D  | E  | Weight (g) | Stainless Steel wire | Iron wire | Soft Iron line | Copper wire | Stranded wire |
|-----------|-----------|-----|----|----|----|----|------------|----------------------|-----------|----------------|-------------|---------------|
| ST-216S   | 150       | 161 | 17 | 10 | 52 | 50 | 125        | Ø1.0                 | Ø1.2      | Ø2.0           | Ø2.6        | 2.0mm²        |

## คีมปากแหลมปอกสายไฟ

### LONG NOSE CUTTING PLIERS with wire stripper, spring and insulated handle



| Order No. | Size (mm) | A   | B  | C    | D  | E   | F   | Weight (g) |
|-----------|-----------|-----|----|------|----|-----|-----|------------|
| ST-206HS  | 150       | 161 | 17 | 10   | 55 | 3.5 | 2.5 | 135        |
| ST-208HS  | 200       | 200 | 18 | 10.5 | 56 | 3   | 2.5 | 185        |

## คีมปากแหลม

### LONG NOSE PLIERS



| Order No. | Size       |
|-----------|------------|
| 90162     | 8" (200mm) |

## คีมปากแหลม

### LONG NOSE PLIERS WITH HANG TAG



| Order No. | Size |
|-----------|------|
| 90361     | 6"   |
| 90362     | 8"   |



#### Tool Kits

ชุดเครื่องมือ

#### Pliers

คีม

#### Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

#### Gear Puller

เพลาชัก

#### Adjustable Wrench

ประแจเลื่อน

#### Wrench

ประแจ

#### Torque Wrench

เกจบิด

#### Socket Wrench

ลูกบ็อก

#### Screwdriver

ไขควง

#### Bits

ไขควง

#### Plastic Cutting Nipper

คีมตัดพลาสติก

#### Mini Nippers

คีมตัดลวด

#### Diagonal Cutting Pliers

คีมตัด

#### Long Nose Plier

คีมปากยาว

#### Combination Plier

คีมปากจิ้งจก

#### Stainless

คีมสแตนเลส

#### Cable Cutter

คีมตัดสายเคเบิล

# PLIERS, PINCERS

คีม



คีมปากแหลมงอ

**BENT NOSE PLIERS WITH HANG TAG**



| Order No. | Size |
|-----------|------|
| 90363     | 6"   |

คีมปากแหลม

**LONG NOSE PLIERS WITH HANG TAG**



| Order No. | Size |
|-----------|------|
| 90376     | 6"   |

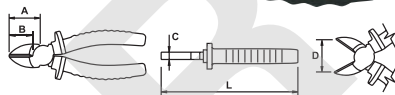
**EGA Master**  
ART IN INNOVATION  
BE SAFE...BE EFFICIENT

คีมปากจิ้งจก

**COMBINATION PLIERS MASTERCUT**



Feature : Cr-V  
DIN 5746



| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|-------------|-----------|-----------------|------------|
| 62495     | 165    | 35     | 14     | 10     | 39     | 3.5         | 2.5       | 2               | 220        |
| 62496     | 180    | 40     | 16     | 11     | 50     | 4           | 2.5       | 2               | 230        |
| 62479     | 210    | 44     | 19     | 11     | 60     | 4.5         | 2.8       | 2.2             | 280        |

คีมปากจิ้งจก

**LINEMAN'S PLIER POLISHED**



| Order No. | L (mm) | Weight (g) |
|-----------|--------|------------|
| 62074     | 250    | 480        |

คีมปากแหลม

**LONG NOSE MINI PLIERS**



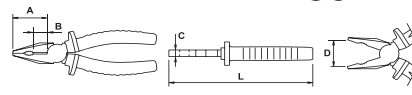
| Order No. | Size   |
|-----------|--------|
| 90402     | 5 1/2" |

คีมปากจิ้งจก

**COMBINATION PLIERS POLISHED BIMAT**



Feature : Cr-V  
DIN 5745



| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | Medium (mm) | Hard (mm) | Piano wire (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|-------------|-----------|-----------------|------------|
| 62450     | 160    | 36     | 15     | 10     | 38     | 3           | 2         | 1.5             | 240        |
| 62451     | 180    | 38     | 14     | 11     | 41     | 3.5         | 2.2       | 1.5             | 280        |
| 62452     | 200    | 430    | 17     | 12     | 50     | 4           | 2.5       | 2               | 330        |

LONG NOSE PLIERS  
คีมปากยาว

Tool Kits  
ชุดเครื่องมือ

Pliers  
คีม

Electrician Tool  
เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller  
เหล็กดูด

Adjustable  
Wrench  
ประแจเลื่อน

Wrench  
ประแจ

Torque Wrench  
เกจบิดตื้อ

Socket Wrench  
ลูกบิด

Screwdriver  
ไขควง

Bits  
ไขควง

Plastic Cutting  
Nipper  
คีมตัดพลาสติก

Mini Nippers  
คีมตัดลวด

Diagonal Cutting  
Pliers  
คีมตัด

Long Nose Plier  
คีมปากยาว

Combination Plier  
คีมปากจิ้งจก

Stainless  
คีมสแตนเลส

Cable Cutter  
คีมตัดสายเคเบิล

## คีมปากจิ้งจอก

### HIGH LEVERAGE SIDE CUTTING PLIERS "ZERO"



| Order No. | Size (mm) | a   | b  | c  | d  | e  | f    | g   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance VA • VVF |
|-----------|-----------|-----|----|----|----|----|------|-----|--------------|--------------------------------|---------------------------------|------------------------------|
| 3100-175  | 175       | 202 | 26 | 14 | 52 | 21 | 12   | 6.5 | 350          | Ø3.4                           | Ø4.0                            | Ø2.6x3core                   |
| 3100-200  | 200       | 222 | 28 | 15 | 52 | 21 | 13.4 | 6.5 | 420          | Ø3.6                           | Ø4.0                            | Ø2.6x3core                   |

## คีมปากจิ้งจอก

### HIGH LEVERAGE LINEMAN'S PLIERS



| Order No.  | Size (mm) | a   | b  | c    | d  | e  | f  | g   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano wire | Cutting Performance VA • VVF |
|------------|-----------|-----|----|------|----|----|----|-----|--------------|--------------------------------|---------------------------------|--------------------------------|------------------------------|
| 3000TP-200 | 200       | 202 | 26 | 11.5 | 52 | 18 | 18 | 6.3 | 270          | Ø3.4                           | Ø4.0                            | Ø1.6                           | Ø2.0 x 3core                 |
| 3000TP-225 | 225       | 232 | 28 | 12   | 52 | 20 | 19 | 7   | 340          | Ø3.6                           | Ø4.0                            | Ø2.0                           | Ø2.6 x 3core                 |

## คีมปากจิ้งจอก+ย้ำหางปลา

### LINEMAN'S CRIMP PLIERS



we are indented in order to assure that gripped items will not slip.



| Order No. | Size (mm) | a   | b  | c    | d  | e    | f    | g   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|------|----|------|------|-----|--------------|--------------------------------|---------------------------------|
| 1150B-175 | 175       | 192 | 24 | 13.5 | 50 | 15   | 12.5 | 6.3 | 275          | Ø3.0                           | Ø3.5                            |
| 1150B-200 | 200       | 217 | 27 | 14.5 | 53 | 18.5 | 15   | 6   | 350          | Ø3.4                           | Ø4.0                            |

## คีมปากจิ้งจอก - ย้ำหางปลา

### LINEMAN'S PLIERS



we are indented in order to assure that gripped items will not slip.



| Order No. | Size (mm) | a   | b  | c    | d  | e  | f  | g | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance VA • VVF |
|-----------|-----------|-----|----|------|----|----|----|---|--------------|--------------------------------|---------------------------------|------------------------------|
| 3300-225  | 225       | 228 | 28 | 13.5 | 54 | 21 | 14 | 7 | 365          | Ø3.6                           | Ø4.0                            | Ø2.6x3core                   |

## คีมปากจิ้งจอก+ย้ำหางปลา+ปอกสายไฟ (Ø2mm)

### LINEMAN'S CRIMP PLIERS



we are indented in order to assure that gripped items will not slip.



| Order No. | Size (mm) | a   | b  | c    | d  | e  | f    | g   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|------|----|----|------|-----|--------------|--------------------------------|---------------------------------|
| 1150A-175 | 175       | 192 | 24 | 13.5 | 50 | 15 | 12.5 | 6.3 | 275          | Ø3.0                           | Ø3.5                            |

## คีมปากจิ้งจอก-ย้ำหางปลา

### HIGH LEVERAGE LINEMAN'S CRIMP PLIERS



we are indented in order to assure that gripped items will not slip.



| Order No. | Size (mm) | a   | b  | c  | d  | e  | f   | g   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance VA • VVF |
|-----------|-----------|-----|----|----|----|----|-----|-----|--------------|--------------------------------|---------------------------------|------------------------------|
| 1700-175  | 175       | 198 | 26 | 14 | 50 | 20 | 12  | 6   | 340          | Ø3.0                           | Ø3.5                            | Ø2.6x3core                   |
| 1700-200  | 200       | 218 | 28 | 15 | 50 | 20 | 130 | 6.5 | 400          | Ø3.4                           | Ø4.0                            | Ø2.6x3core                   |

\*กรุณาสอบถาม Stock สินค้าจากพนักงานขาย Discontinued Item

Tool Kits  
ชุดเครื่องมือ

Pliers  
คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller  
เพลาชัก

Adjustable  
Wrench  
ประแจเลื่อน

Wrench  
ประแจ

Torque Wrench  
เกจบิด

Socket Wrench  
ลูกบ็อก

Screwdriver  
ไขควง

Bits  
ไขควง

Plastic Cutting  
Nipper  
คีมตัดพลาสติก

Mini Nippers  
คีมตัดเล็ก

Diagonal Cutting  
Pliers  
คีมตัด

Long Nose Plier  
คีมปากยาว

Combination Plier  
คีมปากจิ้งจอก

Stainless  
คีมสแตนเลส

Cable Cutter  
คีมตัดสายเคเบิล

# PLIERS, PINCERS

คีม

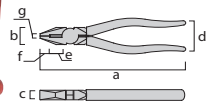
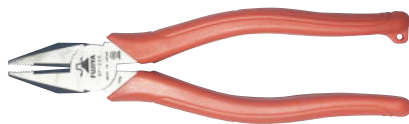


คีมปากจิ้งจก

## SIDE CUTTING PLIERS



we are indented in order to assure that gripped items will not slip.

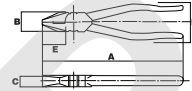


| Order No. | Size (mm) | a   | b  | c    | d  | e    | f    | g   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|------|----|------|------|-----|--------------|--------------------------------|---------------------------------|
| GP-150    | 150       | 160 | 22 | 12.5 | 48 | 13   | 12.5 | 6   | 180          | Ø2.2                           | Ø3.0                            |
| GP-175    | 175       | 192 | 24 | 13.5 | 50 | 15   | 12.7 | 6.3 | 285          | Ø3.0                           | Ø3.5                            |
| GP-200    | 200       | 217 | 27 | 14.5 | 53 | 18.5 | 15   | 6   | 365          | Ø3.4                           | Ø4.0                            |



คีมปากจิ้งจก

## SIDE CUTTING PLIERS (EUROPEAN TYPE)



| Order No. | Size (mm) | A   | B  | C  | D  | E  | Weight (g/w) | Stainless Steel wire | Iron wire | Soft iron line | Copper wire | Stranded wire      |
|-----------|-----------|-----|----|----|----|----|--------------|----------------------|-----------|----------------|-------------|--------------------|
| ST-106EP  | 150       | 163 | 23 | 11 | 52 | 33 | 200          | Ø1.2                 | Ø1.6      | Ø2.6           | Ø3.2        | 5.5mm <sup>2</sup> |
| ST-107EP  | 175       | 186 | 25 | 12 | 55 | 35 | 260          | Ø1.6                 | Ø1.8      | Ø2.6           | Ø3.6        | 8.0mm <sup>2</sup> |
| ST-108EP  | 200       | 205 | 27 | 13 | 56 | 37 | 360          | Ø1.6                 | Ø2.0      | Ø3.2           | Ø4.0        | 8.0mm <sup>2</sup> |



คีมปากจิ้งจก

## COMBINATION PLIERS



| Order No. | Size       |
|-----------|------------|
| 90152     | 7" (180mm) |

คีมปากจิ้งจก

## COMBINATION PLIERS WITH HANG TAG



| Order No. | Size |
|-----------|------|
| 90352     | 7"   |
| 90353     | 8"   |

ชุดคีม 3 อัน

## 3PCS PLIERS SET



| Order No. | Description                                                                                      |
|-----------|--------------------------------------------------------------------------------------------------|
| 90193     | 90156 : Side cutters 150mm<br>90162 : Long nose pliers 200mm<br>90152 : Combination pliers 180mm |

COMBINATION PLIERS  
คีมปากจิ้งจก

Tool Kits

ชุดเครื่องมือ

Pliers

คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller

เหล็กดูด

Adjustable

Wrench

ประแจเลื่อน

Wrench

ประแจ

Torque Wrench

เกจบิดคด

Socket Wrench

ลูกบิด

Screwdriver

ไขควง

Bits

ไขควง

Plastic Cutting

Nipper

คีมตัดพลาสติก

Mini Nippers

คีมตัดลวด

Diagonal Cutting

Pliers

คีมตัด

Long Nose Plier

คีมปากยาว

Combination Plier

คีมปากจิ้งจก

Stainless

คีมสแตนเลส

Cable Cutter

คีมตัดสายเคเบิล

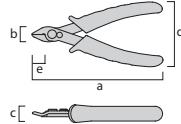


## คีมตัดพลาสติก

### PLASTIC CUTTING NIPPER (Material : Stainless)



With a sharp blade, this is suitable for cutting out pieces to go on a plastic model. It has a single-edge blade which leaves less burrs on a cut cross section and reduces whitening.



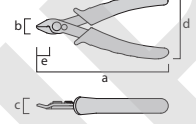
| Order No.  | Size (mm) | a   | b    | c  | d  | e  | Weight (g/w) | Cutting Performance Plastic |
|------------|-----------|-----|------|----|----|----|--------------|-----------------------------|
| HP813-120X | 120       | 130 | 14.5 | 13 | 50 | 11 | 68           | Ø3.0                        |

## คีมตัดพลาสติก

### PLASTIC CUTTING NIPPER (Material : Stainless)



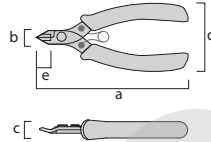
Uses new grip which allows for long-time use while reducing burden on hand.



| Order No. | Size (mm) | a   | b  | c  | d  | e    | Weight (g/w) | Cutting Performance Plastic |
|-----------|-----------|-----|----|----|----|------|--------------|-----------------------------|
| HP845-125 | 125       | 133 | 12 | 14 | 52 | 10.5 | 72           | Ø3.0                        |
| HP845-150 | 150       | 156 | 17 | 14 | 52 | 14.5 | 92           | Ø5.0                        |

## คีมตัดลวด

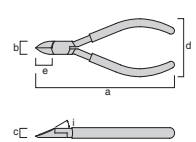
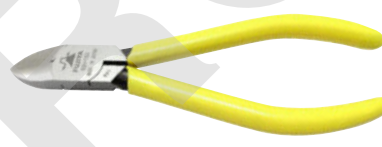
### STAINLESS STANDARD NIPPERS



| Order No. | Size (mm) | a   | b  | c  | d  | e    | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|----|----|------|--------------|--------------------------------|---------------------------------|
| HP855-125 | 125       | 133 | 12 | 14 | 52 | 10.5 | 72           | Ø1.2                           | Ø2.0                            |
| HP855-150 | 150       | 156 | 17 | 14 | 54 | 16   | 92           | Ø1.6                           | Ø2.6                            |

## คีมตัดลวด

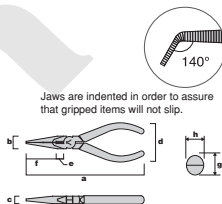
### STAINLESS STANDARD NIPPERS



| Order No. | Size (mm) | a   | b    | c  | d  | e    | i  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|----|----|------|----|--------------|--------------------------------|---------------------------------|
| 60H-150   | 150       | 152 | 16.1 | 10 | 52 | 21.2 | 23 | 110          | Ø0.8                           | Ø1.2                            |

## คีมปากแหลมปลายงอ วัสดุเป็นสแตนเลส

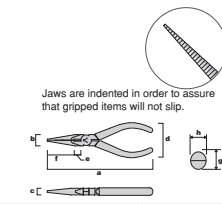
### STAINLESS BENT NEEDLE NOSE PLIERS



| Order No. | Size (mm) | a   | b  | c  | d  | e | f  | g | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|----|----|---|----|---|-----|--------------|--------------------------------|---------------------------------|
| 350L-150  | 150       | 160 | 17 | 10 | 52 | 9 | 38 | 3 | 2.5 | 120          | Ø1.2                           | Ø2.6                            |

## คีมปากแหลม วัสดุเป็นสแตนเลส

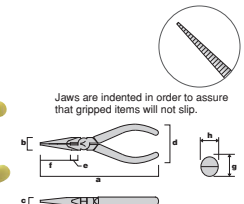
### STAINLESS LONG NOSE PLIERS



| Order No. | Size (mm) | a   | b  | c  | d  | e  | f    | g | h   | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|----|----|----|----|------|---|-----|--------------|--------------------------------|---------------------------------|
| 350H-150  | 150       | 160 | 17 | 10 | 52 | 10 | 40.5 | 3 | 2.5 | 120          | Ø0.8                           | Ø1.2                            |

## คีมปากแหลม วัสดุเป็นสแตนเลส

### STAINLESS LONG NOSE PLIERS



| Order No. | Size (mm) | a   | b    | c | d  | e | f  | g   | h | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire |
|-----------|-----------|-----|------|---|----|---|----|-----|---|--------------|--------------------------------|---------------------------------|
| 308A-170  | 170       | 172 | 14.5 | 9 | 51 | 9 | 46 | 2.5 | 2 | 110          | Ø1.2                           | Ø2.6                            |

#### Tool Kits

ชุดเครื่องมือ

#### Pliers

คีม

#### Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

#### Gear Puller

เพลาถอด

#### Adjustable

Wrench

ประแจเลื่อน

#### Wrench

ประแจ

#### Torque Wrench

เกจบิดคด

#### Socket Wrench

ลูกบ็อก

#### Screwdriver

ไขควง

#### Bits

ไขควง

#### Plastic Cutting

Nipper

คีมตัดพลาสติก

#### Mini Nippers

คีมตัดลวด

#### Diagonal Cutting

Pliers

คีมตัด

#### Long Nose Plier

คีมปากยาว

#### Combination Plier

คีมปากจิ้งจก

#### Stainless

คีมสแตนเลส

#### Cable Cutter

คีมตัดสายเคเบิล

# PLIERS, PINCERS

คีม

CABLE CUTTER  
คีมตัดสายเคเบิล

**EGA Master**  
ART IN INNOVATION  
BE SAFE...BE EFFICIENT

## คีมตัดสายเคเบิล (สำหรับทองแดง และอลูมิเนียม) CABLE CUTTER (for Copper and Aluminium)



| Order No. | L (mm) | L (inch) | Ø (mm) | CU/AL             | Weight (g) |
|-----------|--------|----------|--------|-------------------|------------|
| 62284     | 150    | 6        | 9      | 35mm <sup>2</sup> | 160        |

## คีมตัดสายเคเบิล (สำหรับทองแดง และอลูมิเนียม) CABLE CUTTER (for Copper and Aluminium)



| Order No. | L (mm) | L (inch) | Ø (mm) | CU/AL             | Weight (Kg) |
|-----------|--------|----------|--------|-------------------|-------------|
| 62164     | 600    | 24       | 14     | 63mm <sup>2</sup> | 1.7         |

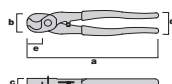
## คีมตัดลวดหน้าตรง TOWER PINCER



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | Weight (g) |
|-----------|----------|--------|--------|--------|------------|
| 62141     | 9        | 35     | 12     | 23     | 400        |
| 62143     | 10       | 35     | 12     | 23     | 410        |
| 62139     | 11       | 37     | 16     | 26     | 470        |
| 62126     | 13       | 40     | 19     | 22     | 740        |

**FUJIYA**<sup>®</sup>

## คีมตัดสายเคเบิล CABLE HANDY CUTTER



| Order No. | Size (mm) | a   | b  | c    | d  | e    | Weight (g/w) | Cutting Performance IV mm |
|-----------|-----------|-----|----|------|----|------|--------------|---------------------------|
| GCC-150   | 150       | 162 | 25 | 11.8 | 47 | 18.6 | 170          | 22mm <sup>2</sup> Ø9.2    |
| GCC-200   | 200       | 210 | 29 | 12.8 | 47 | 17   | 320          | 38mm <sup>2</sup> Ø11.4   |

## คีมตัดสายเคเบิล (สำหรับทองแดง และอลูมิเนียม) CABLE CUTTER (for Copper and Aluminium)



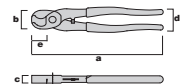
| Order No. | L (mm) | L (inch) | Ø (mm) | CU/AL             | Weight (g) |
|-----------|--------|----------|--------|-------------------|------------|
| 62151     | 250    | 10       | 12     | 63mm <sup>2</sup> | 490        |

## คีมตัดลวดหน้าตรง TOWER PINCER



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | Weight (g) |
|-----------|----------|--------|--------|--------|------------|
| 62123     | 9        | 35     | 12     | 23     | 400        |
| 62124     | 10       | 35     | 12     | 23     | 410        |
| 62125     | 11       | 37     | 16     | 26     | 470        |

## คีมตัดสายเคเบิล CABLE HANDY CUTTER



| Order No. | Size (mm) | a   | b  | c  | d  | e  | Weight (g/w) | Cutting Performance IV mm |
|-----------|-----------|-----|----|----|----|----|--------------|---------------------------|
| 600-240   | 240       | 241 | 45 | 13 | 50 | 29 | 465          | 60mm <sup>2</sup> Ø13.6   |

## คีมตัดสายเคเบิล CABLE HANDY CUTTER

ALUMINUM



| Order No. | Size (mm) | a   | b  | c  | d   | e  | Weight (g/w) | Cutting Performance IV mm | Cutting Performance VVR mm |
|-----------|-----------|-----|----|----|-----|----|--------------|---------------------------|----------------------------|
| 600-500   | 500       | 500 | 66 | 34 | 150 | 49 | 1,030        | 250mm <sup>2</sup>        | 100mm <sup>2</sup>         |

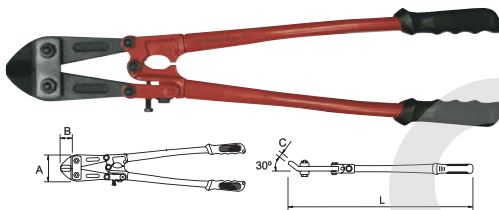
## คีมตัดสายเคเบิล CABLE HANDY CUTTER



| Order No. | Size (mm) | a   | b   | c    | d   | Weight (g/w) | Cutting Performance |                            |                    |                    |                            |                    |
|-----------|-----------|-----|-----|------|-----|--------------|---------------------|----------------------------|--------------------|--------------------|----------------------------|--------------------|
|           |           |     |     |      |     |              | CV 3Core WIRE mm    | CV 3Core WIRE mm           | IV 1Core WIRE mm   | VVR 1Core WIRE mm  | VV 3Core WIRE mm           | CV 1Core WIRE mm   |
| FRC-32A   | 260       | 250 | 95  | 35.5 | 46  | 610          | 250mm <sup>2</sup>  | 60mm <sup>2</sup> x-3Core  | 325mm <sup>2</sup> | 325mm <sup>2</sup> | 50mm <sup>2</sup> x-3Core  | 325mm <sup>2</sup> |
| FRC-45A   | 300       | 280 | 130 | 36   | 102 | 800          | 400mm <sup>2</sup>  | 100mm <sup>2</sup> x-3Core | 500mm <sup>2</sup> | 500mm <sup>2</sup> | 100mm <sup>2</sup> x-3Core | 500mm <sup>2</sup> |

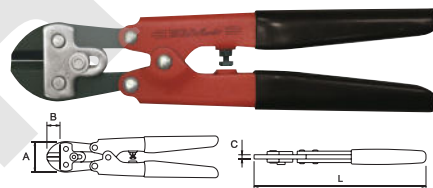
**EGAMaster**  
ART IN INNOVATION  
BE SAFE...BE EFFICIENT

## กรรไกรตัดเหล็ก ANGULAR EDGE BOLT CUTTERS



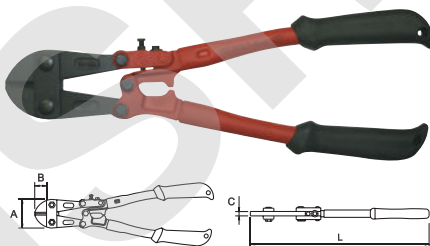
| Order No. | L (inch) | L (mm) | A (mm) | B (mm) | C (mm) | CAP 50kg/mm <sup>2</sup> 140kg/mm <sup>2</sup> | Weight (Kg) |
|-----------|----------|--------|--------|--------|--------|------------------------------------------------|-------------|
| 62813     | 18       | 450    | 70     | 29     | 8      | 8-6                                            | 1.8         |
| 62814     | 24       | 600    | 85     | 33     | 9.5    | 10-8                                           | 2.6         |

## กรรไกรตัดเหล็ก BOLT CUTTERS



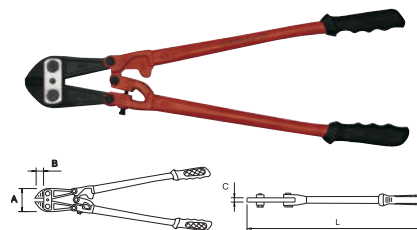
| Order No. | L (inch) | L (mm) | A (mm) | B (mm) | C (mm) | CAP 140kg/mm <sup>2</sup> | Weight (Kg) |
|-----------|----------|--------|--------|--------|--------|---------------------------|-------------|
| 62200     | 8        | 200    | 39     | 16     | 4.5    | 0.3                       | 0.3         |

## กรรไกรตัดเหล็กกลวด BOLT CUTTERS



| Order No. | L (inch) | L (mm) | A (mm) | B (mm) | C (mm) | CAP 50kg/mm <sup>2</sup> 140kg/mm <sup>2</sup> | Weight (Kg) |
|-----------|----------|--------|--------|--------|--------|------------------------------------------------|-------------|
| 62193     | 14       | 350    | 60     | 26     | 7.0    | 7-5                                            | 1.1         |
| 62194     | 18       | 450    | 70     | 29     | 8.0    | 8-6                                            | 1.5         |
| 62195     | 24       | 600    | 85     | 33     | 9.5    | 10-8                                           | 2.4         |
| 62196     | 30       | 750    | 95     | 36     | 11     | 13-10                                          | 3.7         |
| 62197     | 36       | 900    | 110    | 39     | 13     | 16-12                                          | 6.0         |
| 62198     | 42       | 1050   | 120    | 43     | 14     | 19-14                                          | 8.0         |
| 62199     | 48       | 1200   | 155    | 60     | 17     | 22-16                                          | 14.0        |

## กรรไกรตัดเหล็กกลวด BOLT CUTTERS



| Order No. | L (inch) | L (mm) | A (mm) | B (mm) | C (mm) | CAP 50kg/mm <sup>2</sup> 140kg/mm <sup>2</sup> | Weight (Kg) |
|-----------|----------|--------|--------|--------|--------|------------------------------------------------|-------------|
| 63293     | 12       | 300    | 50     | 20     | 6      | 5-4                                            | 0.8         |
| 63294     | 14       | 350    | 60     | 28     | 7      | 7-5                                            | 1           |
| 63295     | 18       | 450    | 70     | 31     | 8      | 8-6                                            | 1.8         |
| 63296     | 24       | 600    | 85     | 34     | 9.5    | 10-8                                           | 2.8         |

\*กรุณาสอบถาม Stock สินค้าจากพนักงานขาย Discontinued Item

Tool Kits  
ชุดเครื่องมือ

Pliers  
คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller  
เพลาชัก

Adjustable  
Wrench  
ประแจเลื่อน

Wrench  
ประแจ

Torque Wrench  
เกจบิด

Socket Wrench  
ลูกบ็อก

Screwdriver  
ไขควง

Bits  
ไขควง

Plastic Cutting  
Nipper  
คีมตัดพลาสติก

Mini Nippers  
คีมตัดกลวด

Diagonal Cutting  
Pliers  
คีมตัด

Long Nose Plier  
คีมปากยาว

Combination Plier  
คีมปากจิ้งจก

Stainless  
คีมสแตนเลส

Cable Cutter  
คีมตัดสายเคเบิล

# PLIERS, PINCERS

คีม



## คีมตัดสายเคเบิล MINI BOLT CUTTER



Tool Kits  
ชุดเครื่องมือ

Pliers  
คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller

เหล็กดูด

Adjustable

Wrench

ประแจเลื่อน

Wrench

ประแจ

Torque Wrench

เกจบิด

Socket Wrench

ลูกบ็อก

Screwdriver

ไขควง

Bits

ไขควง

Plastic Cutting

Nipper

คีมตัดพลาสติก

Mini Nippers

คีมตัดเล็ก

Diagonal Cutting

Pliers

คีมตัด

Long Nose Plier

คีมปากยาว

Combination Plier

คีมปากจิ้งจอก

Stainless

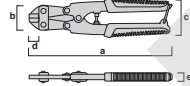
คีมสแตนเลส

Cable Cutter

คีมตัดสายเคเบิล



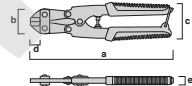
## คีมตัดลวดงานหนัก HEAVY DUTY DIAGONAL CLIPPERS



| Order No. | Size (mm) | a   | b    | c  | d  | e  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Copper wire | Cutting Performance Piano plate |
|-----------|-----------|-----|------|----|----|----|--------------|--------------------------------|---------------------------------|---------------------------------|
| PC5-280   | 280       | 280 | 45.5 | 89 | 19 | 14 | 245          | Ø5.0                           | Ø12.0                           | Ø2.0                            |

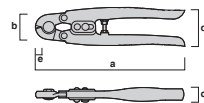
\*กรุณาสอบถาม Stock สินค้าจากพนักงานขาย Discontinued Item

## คีมตัดลวดงานหนัก HEAVY DUTY DIAGONAL CLIPPERS



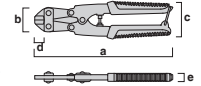
| Order No.  | Size (mm) | a   | b  | c    | d  | e  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Piano wire |
|------------|-----------|-----|----|------|----|----|--------------|--------------------------------|--------------------------------|
| PC11-200BG | 200       | 215 | 37 | 57.5 | 12 | 18 | 160          | Ø4.0                           | Ø2.0                           |

## คีมตัดลวดสลึง WIRE CUTTER



| Order No. | Size (mm) | a   | b  | c  | d  | e | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Piano wire | Cutting Performance IV | Cutting Performance Wire rope |
|-----------|-----------|-----|----|----|----|---|--------------|--------------------------------|--------------------------------|------------------------|-------------------------------|
| HWC-6     | 190       | 196 | 30 | 20 | 42 | 8 | 250          | Ø4.0                           | Ø2.5                           | Ø6.0                   | Ø5.0                          |

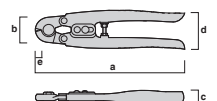
## คีมตัดลวดงานหนัก HEAVY DUTY DIAGONAL CLIPPERS



| Order No. | Size (mm) | a   | b  | c    | d  | e  | Weight (g/w) | Cutting Performance Steel wire | Cutting Performance Piano plate |
|-----------|-----------|-----|----|------|----|----|--------------|--------------------------------|---------------------------------|
| PC11-200  | 200       | 215 | 37 | 57.5 | 12 | 18 | 160          | Ø4.0                           | Ø2.0                            |

\*กรุณาสอบถาม Stock สินค้าจากพนักงานขาย

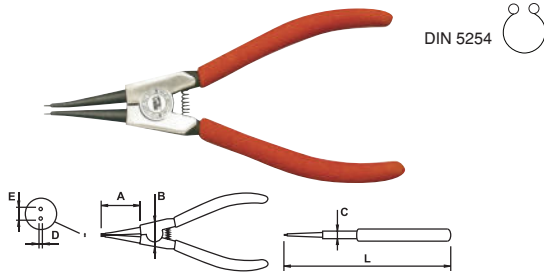
## คีมตัดลวดสลึง WIRE CUTTER



| Order No. | Size (mm) | a   | b  | c  | d  | e | Weight (g/w) | Cutting Performance Wire Rope | Cutting Performance Stainless steel wire |
|-----------|-----------|-----|----|----|----|---|--------------|-------------------------------|------------------------------------------|
| WC1-190   | 190       | 191 | 31 | 20 | 54 | 5 | 120          | Ø4.0                          | Ø1.8                                     |

## คีมถ่างแหวนปากตรง

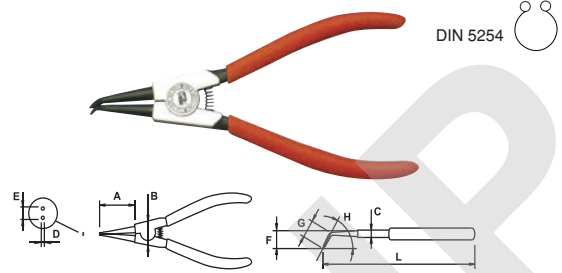
### CIRCLIPS PLIERS - EXTERNAL STRAIGHT



| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | O.D. (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|--------|-----------|------------|
| 62214     | 150    | 36     | 23     | 8.5    | 0.9    | 3.8    | 3-10      | 105        |
| 62215     | 150    | 36     | 23     | 9.5    | 1.2    | 4.5    | 10-25     | 105        |
| 62183     | 175    | 43     | 25     | 9.5    | 1.8    | 5.5    | 19-60     | 140        |
| 62216     | 230    | 55     | 29     | 11     | 2.4    | 5.5    | 40-100    | 280        |
| 62217     | 320    | 75     | 37     | 13     | 3.1    | 9.0    | 85-200    | 470        |

## คีมถ่างแหวนปากงอ

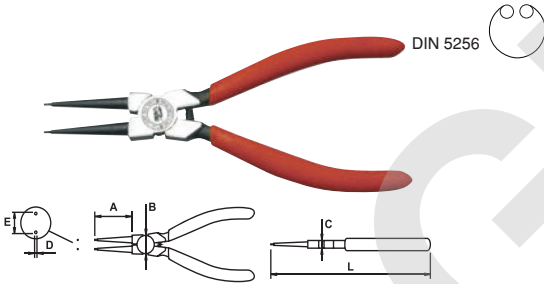
### CIRCLIPS PLIERS - EXTERNAL BENT



| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (°) | O.D. (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----------|------------|
| 62218     | 145    | 30     | 22     | 8.5    | 0.9    | 4.5    | 14     | 15     | 50    | 3-10      | 105        |
| 62219     | 145    | 30     | 22     | 8.5    | 1.3    | 5.0    | 15     | 15     | 50    | 10-25     | 105        |
| 62182     | 170    | 37     | 25     | 9.5    | 1.8    | 7.0    | 18     | 18     | 50    | 19-60     | 140        |
| 62220     | 210    | 37     | 28     | 11     | 2.2    | 7.0    | 24     | 20     | 90    | 40-100    | 280        |
| 62221     | 300    | 49     | 37     | 14     | 3.2    | 9.5    | 34     | 30     | 90    | 85-200    | 490        |

## คีมหุบแหวนปากตรง

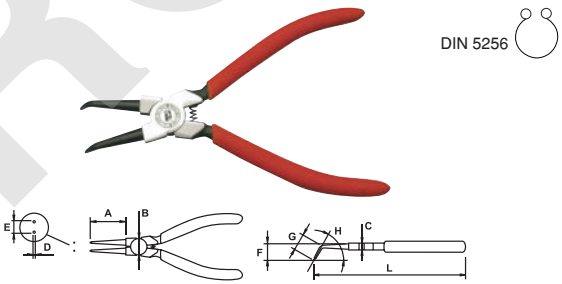
### CIRCLIPS PLIERS - INTERNAL STRAIGHT



| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | O.D. (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|--------|-----------|------------|
| 62222     | 150    | 36     | 16     | 8.5    | 1.2    | 17     | 8-13      | 100        |
| 62223     | 150    | 36     | 16     | 8.5    | 1.2    | 19     | 12-25     | 100        |
| 62181     | 175    | 44     | 18     | 9.5    | 1.8    | 21     | 19-60     | 145        |
| 62224     | 230    | 50     | 24     | 11     | 2.2    | 75     | 40-100    | 270        |
| 62225     | 330    | 70     | 27     | 13     | 2.9    | 80     | 85-200    | 420        |

## คีมหุบแหวนปากงอ

### CIRCLIPS PLIERS - INTERNAL BENT



| Order No. | L (mm) | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | G (mm) | H (°) | O.D. (mm) | Weight (g) |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-----------|------------|
| 62226     | 150    | 28     | 16     | 9.0    | 1.3    | 15     | 16     | 15     | 50    | 8-13      | 100        |
| 62227     | 150    | 28     | 16     | 9.0    | 1.3    | 16     | 16     | 15     | 50    | 12-25     | 100        |
| 62180     | 170    | 33     | 18     | 10.0   | 1.7    | 16     | 20     | 17     | 50    | 19-60     | 150        |
| 62228     | 215    | 35     | 25     | 11     | 2.1    | 50     | 24     | 24     | 90    | 40-100    | 270        |
| 62229     | 300    | 48     | 28     | 13     | 3      | 75     | 33     | 33     | 90    | 85-200    | 420        |

#### Tool Kits

ชุดเครื่องมือ

#### Pliers

คีม

#### Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

#### Gear Puller

เพลาถอด

#### Adjustable Wrench

ประแจเลื่อน

#### Wrench

ประแจ

#### Torque Wrench

เกจบิด

#### Socket Wrench

ลูกบ็อก

#### Screwdriver

ไขควง

#### Bits

ไขควง

#### Circlips Pliers

คีมถ่าง - หุ่นแหวน

#### Water Pump Pliers

คีมคอม้า

#### Slip Joint

คีมคอเลื่อน

#### Grip Pliers

คีมถึด

#### C-Clipm

ปากกาควัชี

#### Bench Vice

ปากกาจับเหล็ก



# PLIERS, PINCERS

คีม

**EGA Master**  
ART IN INNOVATION  
BE SAFE...BE EFFICIENT

ชุดคีมถ่าง-หุบแหวน

## SET 4 PLIERS CIRCLIPS

| Order No. | PCS. |
|-----------|------|
| 68540     | 4    |

Detail for Code No. 68540

| PCS. | Code. PCS. | O.D. mm |       |
|------|------------|---------|-------|
| 1    | 62214      | 3 - 10  | 150mm |
| 1    | 62218      | 3 - 10  | 150mm |
| 1    | 62222      | 8 - 13  | 150mm |
| 1    | 62226      | 8 - 13  | 150mm |

| Order No. | PCS. |
|-----------|------|
| 68542     | 4    |

Detail for Code No. 68542

| PCS. / UN. | Code. PCS. | O.D. mm |       |
|------------|------------|---------|-------|
| 1          | 62183      | 19 - 60 | 180mm |
| 1          | 62182      | 19 - 60 | 170mm |
| 1          | 62181      | 19 - 60 | 180mm |
| 1          | 62180      | 19 - 60 | 170mm |

| Order No. | PCS. |
|-----------|------|
| 68541     | 4    |

Detail for Code No. 68541

| PCS. / UN. | Code. PCS. | O.D. mm |       |
|------------|------------|---------|-------|
| 1          | 62215      | 10 - 25 | 150mm |
| 1          | 62219      | 10 - 25 | 150mm |
| 1          | 62223      | 12 - 25 | 150mm |
| 1          | 62227      | 12 - 25 | 150mm |

| Order No. | PCS. |
|-----------|------|
| 62209     | 4    |

Detail for Code No. 62209

| PCS. / UN. | Code. PCS. | O.D. mm  |       |
|------------|------------|----------|-------|
| 1          | 62216      | 40 - 100 | 230mm |
| 1          | 62220      | 40 - 100 | 210mm |
| 1          | 62224      | 40 - 100 | 220mm |
| 1          | 62228      | 40 - 100 | 210mm |



คีมถ่าง-หุบแหวนแบบเปลี่ยนปากได้

## CIRCLIP PLIER MULTI CIRCLIPS



| Order No. | L (mm) | O.D. mm | Weight (g) |
|-----------|--------|---------|------------|
| 62213     | 160    | 10 - 50 | 200        |



Tool Kits  
ชุดเครื่องมือ

Pliers  
คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller  
เพลาดูด

Adjustable  
Wrench  
ประแจเลื่อน

Wrench  
ประแจ

Torque Wrench  
เกจบิด

Socket Wrench  
ลูกบ็อก

Screwdriver  
ไขควง

Bits  
ไขควง

Circlips Pliers  
คีมถ่าง - หุบแหวน

Water Pump Pliers  
คีมคอม้า

Slip Joint  
คีมคอเลื่อน

Grip Pliers  
คีมถือ

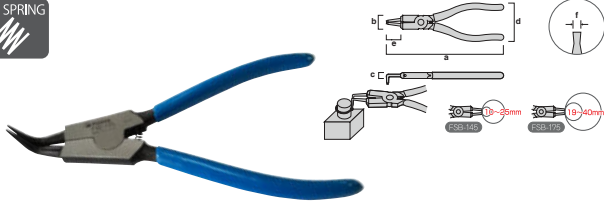
C-Clipm  
ปากกาควัชี

Bench Vice  
ปากกาจับเหล็ก

คีมถ่างแหวนปากงอ

## SNAP RING PLIERS EXTERNAL OPEN (BENT)

with SPRING



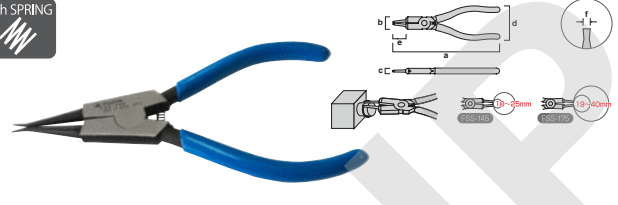
| Order No. | Size (mm) | a   | b  | c | d   | e  | f   | Weight (g/w) | Dimeter of the tip | Ring size |
|-----------|-----------|-----|----|---|-----|----|-----|--------------|--------------------|-----------|
| FSB-145   | 145       | 135 | 15 | 8 | 85  | 25 | 1.0 | 90           | 1.0                | 10 ~ 25   |
| FSB-175   | 175       | 165 | 18 | 9 | 100 | 30 | 1.3 | 170          | 1.3                | 19 ~ 40   |

\*\*กรุณาสอบถาม stock สินค้าจากพนักงานขาย Discontinued Item

คีมถ่างแหวนปากตรง

## SNAP RING PLIERS EXTERNAL OPEN (STRAIGHT)

with SPRING



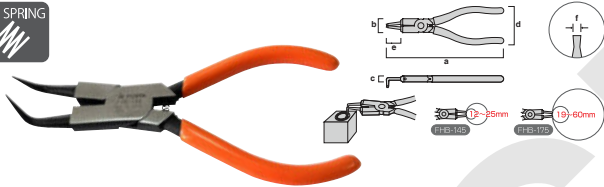
| Order No. | Size (mm) | a   | b  | c | d   | e  | f   | Weight (g/w) | Dimeter of the tip | Ring size |
|-----------|-----------|-----|----|---|-----|----|-----|--------------|--------------------|-----------|
| FSS-145   | 145       | 140 | 15 | 8 | 85  | 35 | 1.0 | 90           | 1.0                | 10 ~ 25   |
| FSS-175   | 175       | 175 | 18 | 9 | 100 | 40 | 1.3 | 170          | 1.3                | 19 ~ 40   |

\*\*กรุณาสอบถาม stock สินค้าจากพนักงานขาย Discontinued Item

คีมหุบแหวนปากงอ

## SNAP RING PLIERS INTERNAL CLOSE (BENT)

with SPRING



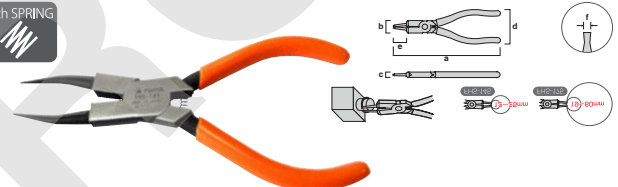
| Order No. | Size (mm) | a   | b  | c | d  | e  | f   | Weight (g/w) | Dimeter of the tip | Ring size |
|-----------|-----------|-----|----|---|----|----|-----|--------------|--------------------|-----------|
| FHB-145   | 145       | 135 | 15 | 8 | 54 | 25 | 1.0 | 90           | 1.0                | 12 ~ 25   |
| FHB-175   | 175       | 165 | 15 | 9 | 56 | 30 | 1.3 | 150          | 1.3                | 19 ~ 60   |

\*\*กรุณาสอบถาม stock สินค้าจากพนักงานขาย Discontinued Item

คีมหุบแหวนปากตรง

## SNAP RING PLIERS EXTERNAL CLOSE (STRAIGHT)

with SPRING



| Order No. | Size (mm) | a   | b  | c | d  | e  | f   | Weight (g/w) | Dimeter of the tip | Ring size |
|-----------|-----------|-----|----|---|----|----|-----|--------------|--------------------|-----------|
| FHS-145   | 145       | 140 | 15 | 8 | 54 | 35 | 1.3 | 90           | 1.0                | 12 ~ 25   |
| FHS-175   | 175       | 175 | 18 | 9 | 56 | 40 | 1.3 | 150          | 1.3                | 19 ~ 40   |

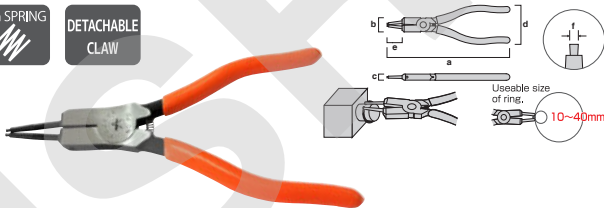
\*\*กรุณาสอบถาม stock สินค้าจากพนักงานขาย Discontinued Item

คีมถ่างแหวนปากตรง เปลี่ยนปากได้

## SNAP RING PLIERS EXTERNAL OPEN (STRAIGHT)

with SPRING

DETACHABLE CLAW



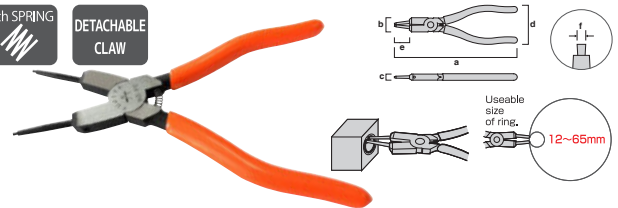
| Order No. | Size (mm) | a   | b  | c  | d  | e  | f   | Weight (g/w) | Dimeter of the tip | Ring size |
|-----------|-----------|-----|----|----|----|----|-----|--------------|--------------------|-----------|
| FOS-185   | 185       | 183 | 22 | 10 | 86 | 30 | 2.0 | 175          | 2.0                | 10 ~ 40   |

คีมหุบแหวนปากตรง เปลี่ยนปากได้

## SNAP RING PLIERS EXTERNAL CLOSE (STRAIGHT)

with SPRING

DETACHABLE CLAW

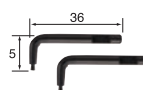


| Order No. | Size (mm) | a   | b  | c  | d  | e  | f   | Weight (g/w) | Dimeter of the tip | Ring size |
|-----------|-----------|-----|----|----|----|----|-----|--------------|--------------------|-----------|
| FCS-185   | 185       | 183 | 22 | 10 | 52 | 30 | 2.0 | 175          | 2.0                | 12 ~ 65   |

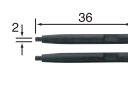
อะไหล่คีม

## SNAP RING PLIERS Detachable claw

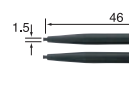
| Order No. | Type                          |
|-----------|-------------------------------|
| FB-1      | Bent type                     |
| FS-1      | Straight type                 |
| FS-L1     | Straight type                 |
| FS-L2     | Straight type (standard type) |



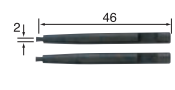
FB-1 Bent type



FS-1 Straight type



FB-L1 Straight type



FB-L2 Straight type (standard type)

# PLIERS, PINCERS

คีม



คีมหุบแหวนปากตรง

## INTERNAL STRAIGHT SNAP RING PLIERS



| Order No. | Size        |
|-----------|-------------|
| 90922     | 7" (180 mm) |

คีมหุบแหวนปากตรง

## EXTERNAL STRAIGHT SNAP RING PLIERS



| Order No. | Size        |
|-----------|-------------|
| 90932     | 7" (180 mm) |

ชุดคีมหุบ-ถ่างแหวน 4 ชิ้น

## 4PCS SNAP RING PLIERS SET

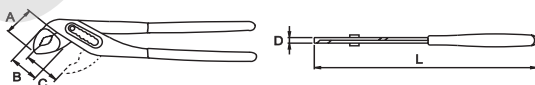


| Order No. | Supported Snap Ring Inner Diameters(mm) | Overall Length(mm) |
|-----------|-----------------------------------------|--------------------|
| 90911     | Ø10-50                                  | 150                |



คีมคีม

## BOX JOINT Pincer TITACROM® WITH HANDLE



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | D (mm) | Weight (g) |
|-----------|----------|--------|--------|--------|--------|------------|
| 62294     | 10       | 32     | 36     | 34     | 7.0    | 400        |
| 62295     | 12       | 43     | 46     | 46     | 8.0    | 610        |

คีมหุบแหวนปากงอ

## INTERNAL BENT SNAP RING PLIERS



| Order No. | Size        |
|-----------|-------------|
| 90927     | 7" (180 mm) |

คีมหุบแหวนปากงอ

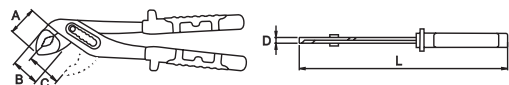
## EXTERNAL BENT SNAP RING PLIERS



| Order No. | Size        |
|-----------|-------------|
| 90937     | 7" (180 mm) |

คีมคีม

## BOX JOINT Pincer TITACROM® BIMAT



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | D (mm) | Weight (g) |
|-----------|----------|--------|--------|--------|--------|------------|
| 62297     | 10       | 32     | 36     | 34     | 7.0    | 400        |
| 62298     | 12       | 43     | 46     | 46     | 8.0    | 610        |

Tool Kits  
ชุดเครื่องมือ

Pliers  
คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller

เพลาชัก

Adjustable

Wrench  
ประแจเลื่อน

Wrench

ประแจ

Torque Wrench

เกจบิด

Socket Wrench

ลูกบ็อก

Screwdriver

ไขควง

Bits

ไขควง

Circ clips Pliers

คีมถ่าง - หุบแหวน

Water Pump Pliers

คีมคีม

Slip Joint

คีมคีมเลื่อน

Grip Pliers

คีมถือ

C-Clip

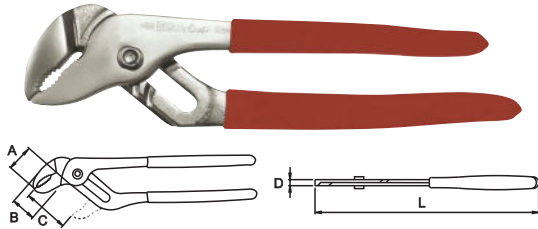
ปากกาจับ

Bench Vice

ปากกาจับเหล็ก

คีมคีม

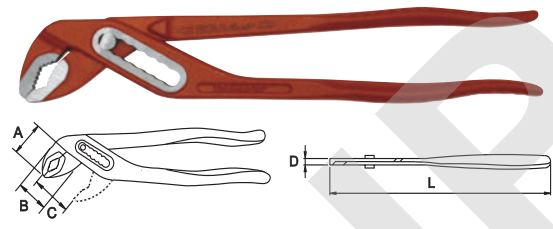
## GROOVE JOINT Pincer TITACROM® WITH HANDLE



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | D (mm) | Weight (g) |
|-----------|----------|--------|--------|--------|--------|------------|
| 62105     | 8        | 30     | 36     | 30     | 9.0    | 240        |
| 62106     | 10       | 34     | 40     | 36     | 10     | 390        |
| 62107     | 12       | 43     | 48     | 48     | 11     | 600        |
| 62108     | 16       | 70     | 60     | 85     | 12     | 1300       |

คีมคีม

## BOX JOINT Pincer NEAT TIPS



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | D (mm) | Weight (g) |
|-----------|----------|--------|--------|--------|--------|------------|
| 62793     | 7        | 27     | 27     | 25     | 7.0    | 170        |
| 62794     | 10       | 32     | 33     | 32     | 7.0    | 360        |
| 62795     | 12       | 40     | 35     | 43     | 9.0    | 570        |

คีมคีม (ขาไขควง)

## WATER PUMP PLIERS WITH SPRING AND DRIVER



| Order No. | Size (mm) | a (mm) | b (mm) | Maximum opening | Weight (g/w) |
|-----------|-----------|--------|--------|-----------------|--------------|
| 110-250SD | 255       | 225    | 20     | 47              | 320          |

คีมคีม

## WATER PUMP PLIERS WITH SPRING



| Order No. | Size (mm) | a (mm) | b (mm) | Maximum opening | Weight (g/w) |
|-----------|-----------|--------|--------|-----------------|--------------|
| 110-250S  | 255       | 225    | 10     | 47              | 320          |

คีมคีม

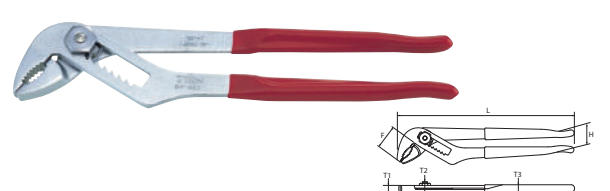
## WATER PUMP PLIERS



| Order No. | Range of use (mm) | L (mm) | H (mm) | T3 (mm) | Adjustment of month | Torque N·m | Weight (g) |
|-----------|-------------------|--------|--------|---------|---------------------|------------|------------|
| WP-250    | 0~48              | 251    | 32     | 10      | 5 Step              | 88.3       | 300        |
| WP250G    | 0~48              | 253    | 34     | 12      | 5 Step              | 88.3       | 330        |

คีมคีม

## WATER PUMP PLIERS WITH SPRING



| Order No. | Range of use (mm) | L (mm) | H (mm) | F (mm) | T1 (mm) | T2 (mm) | T3 (mm) | Adjustment of month | Torque N·m | Weight (g) |
|-----------|-------------------|--------|--------|--------|---------|---------|---------|---------------------|------------|------------|
| DP-165    | 0~32              | 173    | 35     | 26     | 8.8     | 18      | 11.5    | 5 Step              | 44.2       | 170        |
| DP-250    | 0~45              | 253    | 36     | 36     | 9.2     | 18      | 12      | 7 Step              | 105.9      | 310        |

# PLIERS, PINCERS

คีม

**TOP**

คีมคีม (ขาไขควง)

## THREE-PLY WATER PUMP PLIERS (With slotted screwdriver)



| Order No. | Range of use (mm) |         | L (mm) | H (mm) | F (mm) | T1 (mm) | T2 (mm) | T3 (mm) | Adjustment of month | Torque N·m | Weight (g) |
|-----------|-------------------|---------|--------|--------|--------|---------|---------|---------|---------------------|------------|------------|
|           | Round bar         | hexagon |        |        |        |         |         |         |                     |            |            |
| WP3-250   | Ø 0~32            | 6~51    | 253    | 43.5   | 38     | 7       | 11.3    | 13      | 9 Step              | 89.3       | 305        |
| WP3-300   | Ø 0~45            | 9.5~70  | 316    | 47     | 48     | 8.6     | 12.2    | 15      | 11 Step             | 119.2      | 535        |

คีมคีม

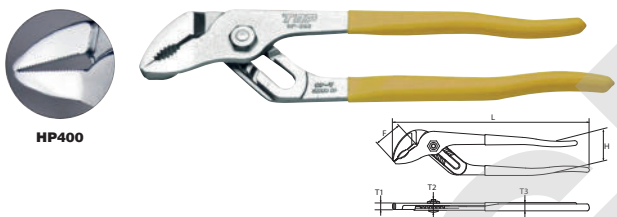
## THREE-PLY ELECTRIC CONSTRUCTION PLIERS



| Order No. | Range of use (mm) |         | Adjustment of month | Torque N·m | Weight (g) |
|-----------|-------------------|---------|---------------------|------------|------------|
|           | Round bar         | hexagon |                     |            |            |
| EF3-250   | Ø 6~51            | 6~50    | 9 Step              | 89.3       | 310        |

คีมคีม

## HEAVY PUMP PLIERS



| Order No. | Range of use (mm) | L (mm) | H (mm) | F (mm) | T1 (mm) | T2 (mm) | T3 (mm) | Adjustment of month | Torque N·m | Weight (g) |
|-----------|-------------------|--------|--------|--------|---------|---------|---------|---------------------|------------|------------|
| HP-250    | 0~45              | 257    | 36     | 36     | 9.5     | 19      | 12.5    | 5 Step              | 105.9      | 360        |
| HP-300    | 0~65              | 315    | 46     | 46     | 10.5    | 21      | 13.5    | 7 Step              | 141.2      | 530        |
| HP-400    | 0~110             | 413    | 50     | 57     | 13.1    | 27      | 15.5    | 10 Step             | 147.1      | 1,130      |

คีมคีม (ขาไขควง)

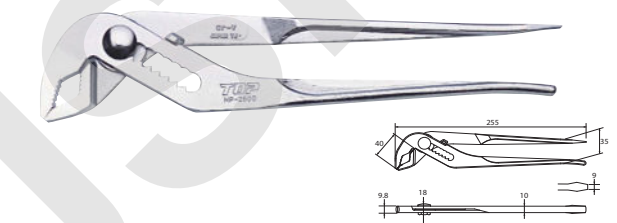
## MULTI WATER PUMP PLIERS (with screwdriver)



| Order No. | Range of use (mm) | Adjustment of month | Torque N·m | Weight (g) |
|-----------|-------------------|---------------------|------------|------------|
| MP-250    | 0~48              | 9 Step              | 105.9      | 300        |

คีมคีม (ขาไขควง)

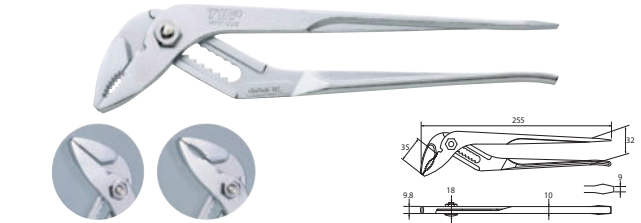
## DELUXE MULTI WATER PUMP PLIERS (with screwdriver)



| Order No. | Range of use (mm) | Adjustment of month | Torque N·m | Weight (g) |
|-----------|-------------------|---------------------|------------|------------|
| MP-250D   | 0~48              | 9 Step              | 105.9      | 300        |

คีมคีม (ขาไขควง)

## BLADED MUTLI - PUMP PLIERS (with screwdriver)

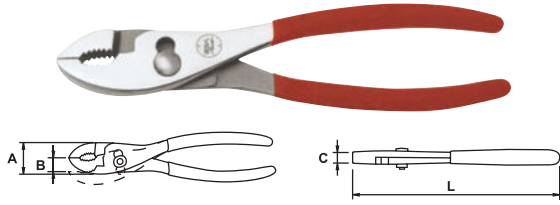


| Order No. | Range of use (mm) | Adjustment of month | Torque N·m | Weight (g) |
|-----------|-------------------|---------------------|------------|------------|
| MPR-250   | 0~51              | 9 Step              | 105.9      | 330        |
| MPS-250   | 0~48              | 9 Step              | 105.9      | 330        |



## คีมคอเลื่อน

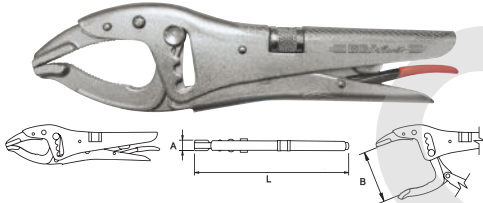
### SLIP JOINT PLIER TITACROM®



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | Weight (g) |
|-----------|----------|--------|--------|--------|------------|
| 62090     | 6"       | 29     | 3.0    | 10     | 200        |
| 62091     | 8"       | 31     | 8.0    | 10     | 275        |
| 62092     | 10"      | 39     | 8.0    | 12     | 430        |

## คีมลือคปากโค้ง

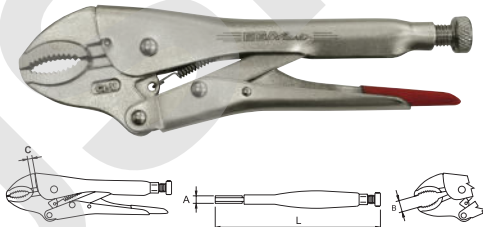
### MULTIPOSITION LARGE CAPACITY GRIP PLIER



| Order No. | L (inch) | A (mm) | B (mm) | Maximum pressure (kg) | Weight (g) |
|-----------|----------|--------|--------|-----------------------|------------|
| 62097     | 10"      | 18     | 100    | 1135                  | 650        |

## คีมลือคปากโค้งมีปากตัดลวด

### GRIP PLIER CURVED JAW WITH WIRE CUTTER TITACROM®



| Order No. | L (inch) | A (mm) | B (mm) | Jaw    | Maximum pressure (kg) | Weight (g) |
|-----------|----------|--------|--------|--------|-----------------------|------------|
| 62179     | 4"       | 7.0    | 25     | Curved | 363                   | 100        |
| 62177     | 5"       | 8.0    | 35     | Curved | 408                   | 160        |
| 62178     | 7"       | 13     | 42     | Curved | 1135                  | 360        |
| 62172     | 10"      | 14     | 65     | Curved | 1135                  | 550        |

## คีมคอเลื่อน

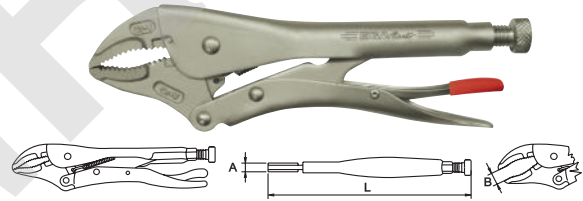
### SLIP JOINT PLIERS (WITH WIRE CUTTING) -HANG- TAG



| Order No. | Overall Length (mm) |
|-----------|---------------------|
| 90040     | 150                 |
| 90042     | 200                 |

## คีมลือคปากโค้ง

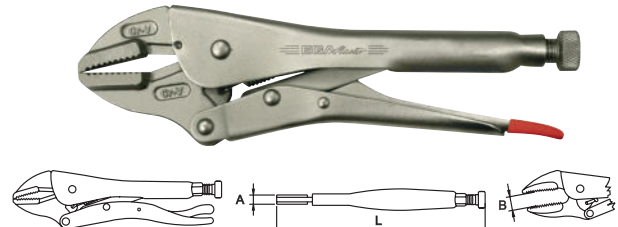
### GRIP PLIER CURVED JAW WITHOUT WIRE CUTTER



| Order No. | L (inch) | A (mm) | B (mm) | Jaw    | Maximum pressure (kg) | Weight (g) |
|-----------|----------|--------|--------|--------|-----------------------|------------|
| 62260     | 7"       | 9.0    | 42     | Curved | 1135                  | 350        |
| 62261     | 9"       | 11     | 52     | Curved | 1135                  | 500        |

## คีมลือคปากตรง

### STRAIGHT JAW GRIP PLIER TITACROM®



| Order No. | L (inch) | A (mm) | B (mm) | Jaw      | Maximum pressure (kg) | Weight (g) |
|-----------|----------|--------|--------|----------|-----------------------|------------|
| 62414     | 7        | 14     | 45     | Straight | 1135                  | 350        |
| 62231     | 10       | 16     | 60     | Straight | 1135                  | 500        |

#### Tool Kits

ชุดเครื่องมือ

#### Pliers

คีม

#### Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

#### Gear Puller

เพลาดูด

#### Adjustable Wrench

ประแจเลื่อน

#### Wrench

ประแจ

#### Torque Wrench

เกจบิด

#### Socket Wrench

ลูกบ็อก

#### Screwdriver

ไขควง

#### Bits

ไขควง

#### Circuits Pliers

คีมถ่าง - หุบแวน

#### Water Pump Pliers

คีมคอม้า

#### Slip Joint

คีมคอเลื่อน

#### Grip Pliers

คีมลือค

#### C-Clip

ปากกาควีซี

#### Bench Vice

ปากกาจับเหล็ก

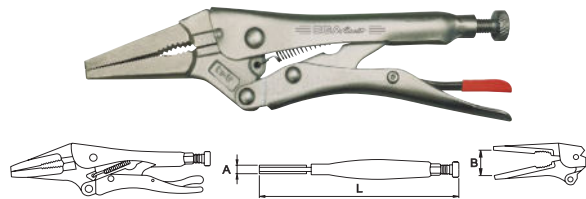
# PLIERS, PINCERS

คีม

**EGA Master**  
ART IN INNOVATION  
BE SAFE...BE EFFICIENT

คีมลีดปากแหลม

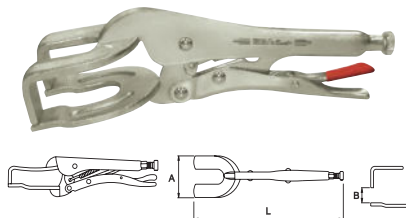
**LONG NOSE JAWS GRIP PLIER TITACROM®**



| Order No. | L (inch) | A (mm) | B (mm) | Maximum pressure (kg) | Weight (g) |
|-----------|----------|--------|--------|-----------------------|------------|
| 62485     | 6.5      | 8.0    | 60     | 204                   | 185        |
| 62486     | 8.5      | 10     | 75     | 408                   | 360        |

คีมลีดค้ำมปู

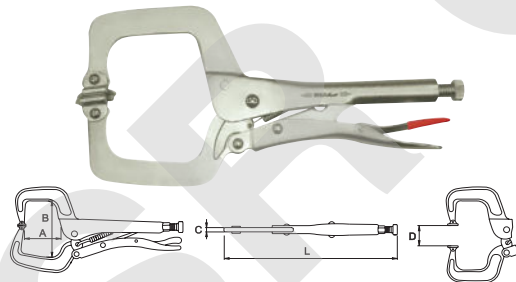
**WELDING GRIP PLIER TITACROM®**



| Order No. | L (inch) | A (mm) | B (mm) | Maximum pressure (kg) | Weight (g) |
|-----------|----------|--------|--------|-----------------------|------------|
| 62508     | 9        | 70     | 26     | 227                   | 600        |
| 62509     | 11       | 75     | 35     | 227                   | 800        |

คีมลีดปากแบน

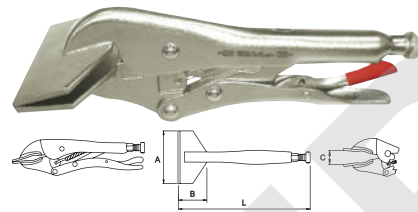
**C CLAMPS SWIVEL PADS GRIP PLIER TITACROM®**



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | D (mm) | Maximum pressure (kg) | Weight (g) |
|-----------|----------|--------|--------|--------|--------|-----------------------|------------|
| 62489     | 7        | 55     | 55     | 5.0    | 15     | 227                   | 270        |
| 62490     | 11       | 70     | 95     | 6.0    | 45     | 408                   | 800        |
| 62491     | 18       | 250    | 100    | 12     | 120    | 1135                  | 1450       |

คีมลีดปากแบน

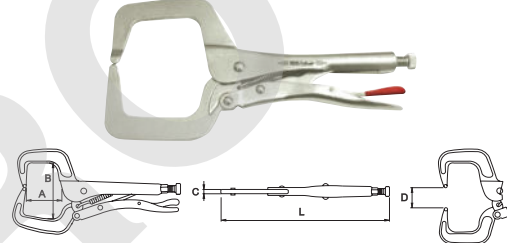
**SHEET METAL GRIP PLIER TITACROM®**



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | Maximum pressure (kg) | Weight (g) |
|-----------|----------|--------|--------|--------|-----------------------|------------|
| 62487     | 8        | 80     | 42     | 17     | 454                   | 490        |

คีมลีดปากซี

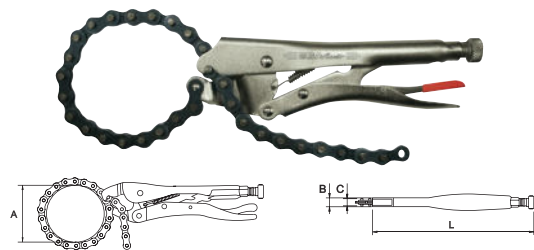
**C CLAMPS GRIP PLIER TITACROM®**



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | D (mm) | Maximum pressure (kg) | Weight (g) |
|-----------|----------|--------|--------|--------|--------|-----------------------|------------|
| 62492     | 11       | 75     | 100    | 7.0    | 50     | 408                   | 750        |

คีมลีดโซ่

**GRIP PLIER WITH CHAIN**



| Order No. | L (inch) | A (mm) | B (mm) | C (mm) | Weight (g) |
|-----------|----------|--------|--------|--------|------------|
| 62174     | 9        | 150    | 13     | 7.0    | 20         |
| 62601     | 9        | 215    | 13     | 7.0    | 27.1/2     |

Tool Kits

ชุดเครื่องมือ

Pliers

คีม

Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

Gear Puller

เหล็กดูด

Adjustable

Wrench

ประแจเลื่อน

Wrench

ประแจ

Torque Wrench

เกจบิด

Socket Wrench

ลูกบิด

Screwdriver

ไขควง

Bits

ไขควง

Circlips Pliers

คีมด้าม - หุบแหวน

Water Pump Pliers

คีมค่อม

Slip Joint

คีมคอเลื่อน

Grip Pliers

คีมลีด

C-Clipm

ปากกาตัวซี

Bench Vice

ปากกาจับเหล็ก

### คีมล็อกปากแหลม

#### LONG NOSE LOCKING PLIERS



| Order No. | Size |
|-----------|------|
| 91114     | 4"   |
| 91116     | 6"   |
| 91119     | 9"   |

### คีมล็อกปากโค้ง

#### CURVED JAWS LOCKING PLIERS

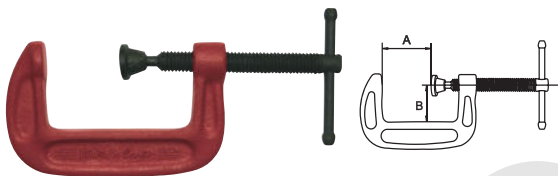


| Order No. | Size |
|-----------|------|
| 91105     | 5"   |
| 91107     | 7"   |
| 91110     | 10"  |

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### ปากกาคัทวีซี

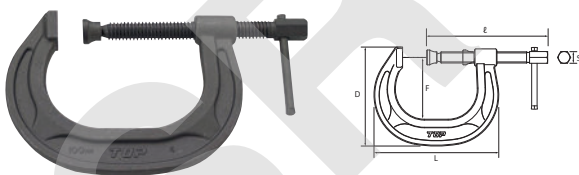
#### TYPE G CLAMP



| Order No. | A max (mm) | B (mm) | Kgf: fastening force | Weight (g) |
|-----------|------------|--------|----------------------|------------|
| 69570     | 50         | 30     | 120                  | 195        |
| 69571     | 75         | 52     | 150                  | 700        |
| 69572     | 100        | 60     | 255                  | 900        |
| 69574     | 150        | 65     | 355                  | 1600       |
| 69575     | 200        | 83     | 400                  | 1900       |

### ปากกาคัทวีซี

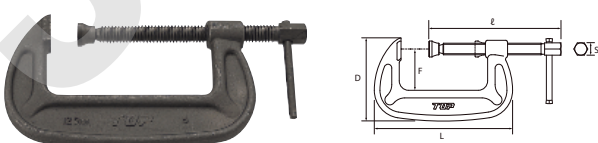
#### C-CLAMP



| Order No. | Nominal Dimension (mm) | L (mm) | D (mm) | ℓ (mm) | F (mm) | S (mm) | Jaw Opening (mm) | Proof Load (ton) | Weight (g) |
|-----------|------------------------|--------|--------|--------|--------|--------|------------------|------------------|------------|
| CC-50     | 50                     | 122    | 91     | 122.5  | 50     | 14     | 50               | 2                | 540        |
| CC-75     | 75                     | 165    | 125    | 160.5  | 75     | 17     | 75               | 2.5              | 1,150      |
| CC-100    | 100                    | 207    | 160    | 200.5  | 100    | 19     | 100              | 3                | 1,990      |
| CC-125    | 125                    | 247    | 200    | 239    | 125    | 22     | 125              | 3.5              | 3,300      |
| CC-150    | 150                    | 302    | 234    | 282    | 150    | 24     | 150              | 4                | 4,650      |
| CC-200    | 200                    | 394    | 303    | 356.5  | 200    | 26     | 200              | 4.5              | 8,600      |

### ปากกาคัทวีซี

#### G-CLAMP



| Order No. | Nominal Dimension (mm) | L (mm) | D (mm) | ℓ (mm) | F (mm) | S (mm) | Jaw Opening (mm) | Proof Load (ton) | Weight (g) |
|-----------|------------------------|--------|--------|--------|--------|--------|------------------|------------------|------------|
| SC-25     | 25                     | 82     | 57     | 80     | 25     | 12     | 25               | 2.4              | 220        |
| SC-38     | 40                     | 100    | 66.5   | 98     | 32     | 12     | 40               | 2.5              | 320        |
| SC-50     | 52                     | 116    | 74.5   | 112.5  | 37     | 14     | 52               | 2.6              | 450        |
| SC-75     | 77                     | 155    | 92     | 150    | 45     | 14     | 77               | 2.8              | 800        |
| SC-100    | 102                    | 194    | 111.5  | 185.5  | 56     | 17     | 102              | 3                | 1,200      |
| SC-125    | 126                    | 233    | 128.5  | 218    | 65     | 19     | 126              | 3.3              | 2,000      |
| SC-150    | 153                    | 273    | 146    | 258    | 76     | 22     | 153              | 3.6              | 2,860      |
| SC-200    | 200                    | 332    | 168    | 311.5  | 96     | 24     | 200              | 4                | 3,900      |
| SC-250    | 252                    | 402    | 197    | 382.5  | 111    | 26     | 252              | 6                | 5,500      |
| SC-300    | 305                    | 480    | 233.5  | 458.5  | 125    | 27     | 305              | 7                | 10,500     |

#### Tool Kits

ชุดเครื่องมือ

#### Pliers

คีม

#### Electrician Tool

เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

#### Gear Puller

เพลาชัก

#### Adjustable Wrench

ประแจเลื่อน

#### Wrench

ประแจ

#### Torque Wrench

เกจบิด

#### Socket Wrench

ลูกบ็อก

#### Screwdriver

ไขควง

#### Bits

ไขควง

#### Circ clips Pliers

คีมถ่าง - หุบแหวน

#### Water Pump Pliers

คีมคอม้า

#### Slip Joint

คีมคอเลื่อน

#### Grip Pliers

คีมล็อก

#### C-Clipm

ปากกาคัทวีซี

#### Bench Vice

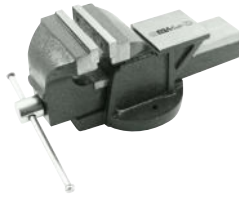
ปากกาคัทวีซี

# PLIERS, PINCERS

คีม

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## ปากกาจับเหล็กแบบเหล็กเหนียว PARALLEL BENCH VICE FIXED



| Order No.    |  | N      | Weight (Kg) |
|--------------|------------------------------------------------------------------------------------|--------|-------------|
| <b>57636</b> | 4                                                                                  | 10.000 | 8           |
| <b>57637</b> | 5                                                                                  | 15.000 | 12          |
| <b>57638</b> | 6                                                                                  | 20.000 | 14          |
| <b>57639</b> | 8                                                                                  | 25.000 | 22          |

## เฉพาะฐานหมุนของปากกาจับขึ้นงาน SWIVEL BASE FOR PARALLEL BENCH VICE



| Order No.    | (inch) | Weight (Kg) |
|--------------|--------|-------------|
| <b>87840</b> | 4      | 1           |
| <b>87841</b> | 5      | 1.2         |
| <b>87842</b> | 6      | 1.4         |
| <b>87843</b> | 8      | 1.6         |

**Tool Kits**  
ชุดเครื่องมือ

**Pliers**  
คีม

**Electrician Tool**  
เครื่องมือสำหรับ  
อิเล็กทรอนิกส์  
และช่างไฟ

**Gear Puller**  
เหล็กดูด

**Adjustable Wrench**  
ประแจเลื่อน

**Wrench**  
ประแจ

**Torque Wrench**  
เกจบิดค

**Socket Wrench**  
ลูกบ็อก

**Screwdriver**  
ไขควง

**Bits**  
ไขควง

**Circlips Pliers**  
คีมต่าง - หุบแหวน

**Water Pump Pliers**  
คีมคอม้า

**Slip Joint**  
คีมคอเลื่อน

**Grip Pliers**  
คีมถือค

**C-Clipm**  
ปากกาหัวซี

**Bench Vice**  
ปากกาจับเหล็ก