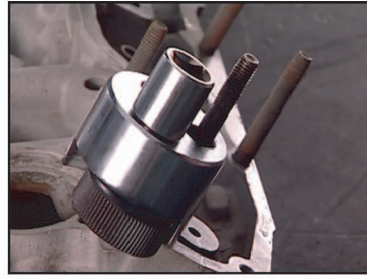


Stud Remover Wrenches Roller Type



| | | |
|--------|--------------------------------------------------------|-----|
| 610486 | Wrench stud remover 1/2 sq. drive for bolt size 8-19mm | Pc. |
|--------|--------------------------------------------------------|-----|

12 Point & Spud End Wrenches 60° Offset



| CODE | Opening | Overall Length |
|---------------|----------|----------------|
| 611001-611021 | 13-60 mm | 220mm-575mm |

Striking Wrenches 12 Point Ring



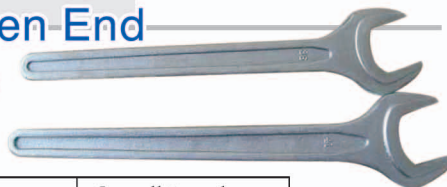
| CODE | Opening | Overall Length |
|---------------|------------|----------------|
| 611101-611131 | 30mm-145mm | 196mm-553mm |

Striking Wrenches Single Open End



| CODE | Opening | Overall Length |
|--------|------------|----------------|
| 611141 | 30mm-145mm | 222mm-606mm |

Single Open End Wrenches 15° Angle



| CODE | Opening mm | Overall Length mm |
|---------------|------------|-------------------|
| 610601-610647 | 5.5-120 | 82-870 |

12 Point & Spud End Wrenches 40° Bent

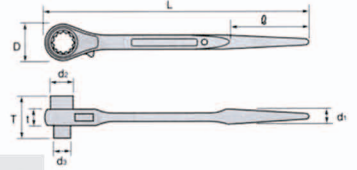


| CODE | Opening | Overall Length |
|---------------|----------|----------------|
| 610651-610694 | 10-130mm | 165mm-812mm |

Wrenches, Double Head Ratchet 12 Point

| CODE | Opening mm | Overall Length mm |
|--------|------------|-------------------|
| 611051 | 10×12 | 195 |
| 611052 | 10×13 | 210 |
| 611053 | 10×14 | 210 |
| 611054 | 12×14 | 210 |
| 611055 | 13×17 | 250 |
| 611056 | 14×17 | 250 |
| 611057 | 17×19 | 290 |
| 611058 | 17×21 | 290 |
| 611059 | 19×22 | 290 |
| 611060 | 19×24 | 330 |

| CODE | Opening mm | Overall Length mm |
|--------|------------|-------------------|
| 611061 | 21×26 | 330 |
| 611062 | 21×27 | 330 |
| 611063 | 22×24 | 330 |
| 611064 | 22×27 | 330 |
| 611065 | 24×27 | 330 |
| 611066 | 24×30 | 370 |
| 611067 | 26×32 | 370 |
| 611068 | 27×30 | 370 |
| 611069 | 30×32 | 370 |



Adjustable Hook Spanner Wrenches

This spanner has the advantage of strength and adjustability. One wrench can be used of bolts of a variety of sizes by simply adjusting the jaw. The handle is strengthened so that the wrench can be used safely with a hammer.



| CODE | Circle Diam mm | Overall Length mm |
|--------|----------------|-------------------|
| 611201 | 35 — 105 | 270mm |
| 611202 | 95 — 165 | 370mm |

Open and 12 point Box Wrenches

| CODE |
|-----------|
| 610761-91 |



Scraper Deck



| CODE |
|--------|
| 613246 |



Emery Tape Abrasive



| CODE |
|-----------|
| 614725-36 |

Hook Spanner Wrenches

| CODE | Circle Diam mm | CODE | Circle Diam mm |
|--------|-------------------|--------|-------------------|
| 611206 | 12 to 14 | 611216 | 80 to 90 |
| 611207 | 16 to 20 | 611217 | 92 to 100 |
| 611208 | 25 to 28 | 611218 | 110 to 115 |
| 611209 | 30 to 32 | 611219 | 120 to 130 |
| 611210 | 34 to 38 | 611220 | 135 to 145 |
| 611211 | 40 to 42 | 611221 | 150 to 165 |
| 611212 | 45 to 50 | 611222 | 175 to 195 |
| 611213 | 52 to 55 | 611223 | 200 to 220 |
| 611214 | 58 to 62 | 611224 | 230 to 250 |
| 611215 | 68 to 75 | 611225 | 260 to 280 |



Torque Wrenches

| CODE | Capacity min-max.N.m-cm | Scale N.m-cm | Sq.Drive |
|--------|----------------------------|-----------------|----------|
| 611416 | 0~6 | 0.1 | 6.3 |
| 611417 | 1~12 | 0.2 | 6.3 |
| 611418 | 3~25 | 0.5 | 9.5 |
| 611419 | 5~50 | 0.5 | 9.5 |
| 611420 | 10~100 | 1 | 12.7 |
| 611421 | 20~200 | 2 | 12.7 |
| 611422 | 30~280 | 5 | 19.0 |
| 611423 | 40~420 | 5 | 19.0 |

Dial Type



| CODE | Capacity min-max.N.m-cm | Scale N.m-cm | Sq.Drive |
|--------|----------------------------|-----------------|----------|
| 611426 | 2~6 | 0.1 | 6.3 |
| 611427 | 4~12 | 0.2 | 6.3 |
| 611428 | 5~25 | 0.25 | 9.5 |
| 611429 | 10~50 | 0.5 | 9.5 |
| 611430 | 20~100 | 1 | 12.7 |
| 611431 | 40~200 | 2 | 12.7 |
| 611432 | 40~280 | 2 | 19.0 |
| 611433 | 60~420 | 2 | 19.0 |

Preset Type

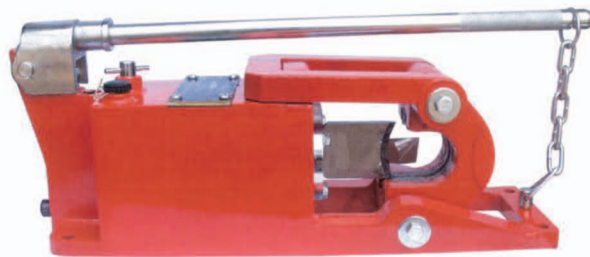
Valve Wheel Wrenches



| CODE | Overall Length mm. | For Valve Size mm. |
|--------|--------------------|--------------------|
| 611231 | 460 | UP to 130 |
| 611232 | 560 | 100~130 |
| 611233 | 660 | 200~450 |
| 611234 | 915 | 360 and over |

Hydraulic Wire Rope Cutters

Designed for manually cutting wires with hydraulic power . Gives a clean cut with a few strokes of the handle without requiring any outside power . Can be carried to the job and placed anywhere, no firm base is required . Essential for cutting and splicing wire rope . Be sure to unscrew the die plug before use and to retighten it after use.



Pipe Wrenches, Straight



| CODE | Length mm | For Pipe Size in | CODE | Length mm | For Pipe Size in |
|--------|--------------|---------------------|--------|--------------|---------------------|
| 611301 | 150 | 1/4-5/8 | 611306 | 450 | 1/2-2 |
| 611302 | 200 | 1/4-3/4 | 611307 | 600 | 1/2-2-1/2 |
| 611303 | 250 | 1/4-1 | 611308 | 900 | 1/2-4 |
| 611304 | 300 | 3/8-1-1/4 | 611309 | 1200 | 1-5 |
| 611305 | 350 | 1/2-1-1/2 | | | |

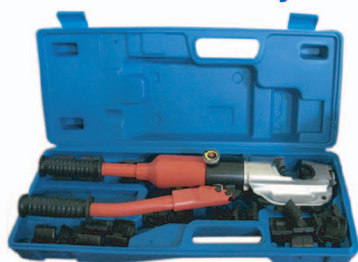
Adjustable Wrenches



| CODE | Length | Maximum Jaw Opening | CODE | Length | Maximum Jaw Opening |
|--------|--------|------------------------|--------|--------|------------------------|
| 611331 | 100mm | 13mm | 611335 | 300mm | 34mm |
| 611332 | 150mm | 20mm | 611336 | 375 | 44mm |
| 611333 | 200mm | 24mm | 611337 | 450 | 53mm |
| 611334 | 250mm | 29mm | 611338 | 600 | 62mm |

| CODE | Maximum Cutter Dia mm |
|--------|-----------------------|
| 611971 | 30mm |
| 611972 | 40mm |
| 611973 | 50mm |

Hydraulic Cable Plier



| Applicable Cable Size | Wire mm ² (AWG) | Weight grm | |
|-----------------------|----------------------------------------------------------------------|------------|----|
| 14 | 10.52-16.87 (6) | 2000 | |
| 22 | 16.78-26.66 (4) | | |
| 38 | 26.66-42.42 (2) | | |
| 60 | 42.42-60.57 (1/10) | | |
| 611734 | Plier,cable,shoe,hydraulic for 10.52-60.57 mm ² wire size | | Pr |

Electrician's Knife

A well tempered cutlery steel blade with a strong joint and a solid wellproportioned handle.



| | | |
|--------|-------------------|-----|
| 611851 | Knife,electrician | Pc. |
|--------|-------------------|-----|

Heavy Duty Knives with Leather Case

A 120mm,high carbon, cutlery steel blade. Comes with a leather case.



| | | |
|--------|---------------------------------|----|
| 611855 | Knife,heavy duty w/leather case | Pc |
|--------|---------------------------------|----|

Bolt Cutters Straight Edge Bolt Clipper

For cutting mild steel,rods,bolts, wire,etc.Jaws are drop forged of special tools stee;



| CODE | Length mm | Maximum Cut Diam | CODE | Length mm | Maximum Cut Diam |
|--------|-----------|------------------|--------|-----------|------------------|
| 611866 | 1050 | 18 mm | 611877 | 1050 | 18 mm |

Cable Cutters

Designed for electric cables,of copper,alumi-nium,etc.



| CODE | Length mm | Maximum Cut Diam | CODE | Length mm | Maximum Cut Diam |
|--------|-----------|------------------|--------|-----------|------------------|
| 611904 | 1050 | 20 mm | 611909 | 1050 | 20 mm |

Cable Cutters Insulated Handle

Designed for electric cables,of copper,alumi-nium,etc.



| CODE | Length mm | Maximum Cut Diam |
|--------|-----------|------------------|
| 611922 | 1050 | 50mm |

Rod Cutters

A heavy duty,improved bench type rod and bolt cutter,The handle end is covered by rubber to avoid slipping during use.



| CODE | Length mm | Maximum Cut Diam | CODE |
|--------|-----------|------------------|--------|
| 611950 | 766 | 10mm | 611955 |
| 611951 | 1090 | 13mm | 611956 |
| 611952 | 1290 | 16mm | 611957 |

Metal Bench Shears

A heavy duty, improved, bench type iron sheet and rod cutter. This unit can be permanently mounted to a bench or bolted to a plank. The cutting lever can be operated with one hand, leaving the other hand free to feed and hold in place the material which is being cut.



| CODE | Blade Length mm | Cutting Capacity mm | | Size mm L×H |
|--------|-----------------|---------------------|------------|-------------|
| | | Iron Sheet | Iron Round | |
| 611962 | 250 | 6.0 | 8 | 485×335 |
| 611963 | 300 | 3.2 | 13 | 485×335 |





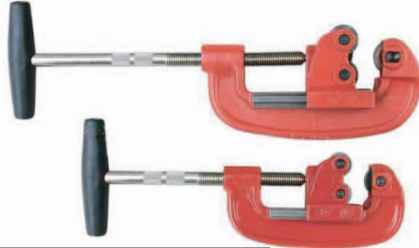
Gasket and Washer Cutter

Designed for cutting gaskets or washers from leather, paper, or rubber sheets up to a diameter of 600 mm/24".

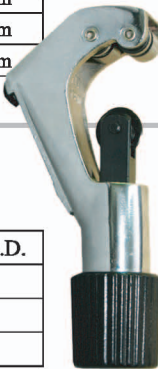
| | | |
|--------|--------------------------------|-----|
| 612001 | Cutter, gasket and washer, set | Set |
|--------|--------------------------------|-----|



Single Wheel Pipe Cutters



| CODE | For Pipe Size in Inches | Overall Length |
|--------|-------------------------|----------------|
| 612020 | 1/8-1-1/4" | 335mm |
| 612021 | 1/8- 2" | 435mm |
| 612022 | 1/2- 3" | 540mm |



Copper & Brass Tube Cutters

| CODE | For Tube Size O.D. |
|--------|--------------------|
| 612035 | 3-30mm |
| 612036 | 5-45mm |
| 612037 | 6-60mm |

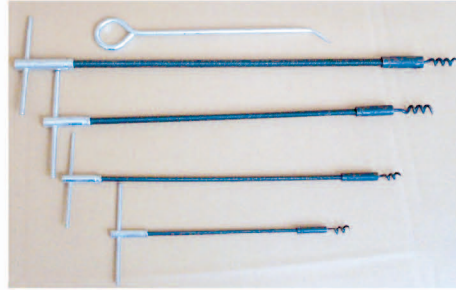
Cutting & Flaring Tool Sets



| CODE | Capacity of Cutting & Flaring |
|--------|--------------------------------|
| 612030 | mm...5 to 12 with Cutter |
| 612031 | inch...3/16 to 5/8 with Cutter |

Packing Hook Set

The flexible shaft has a solid handle and the hook is carefully tempered and pointed.



| | | |
|--------|----------------------------|-----|
| 612004 | Packing hook set, complete | Set |
|--------|----------------------------|-----|

Hexagon Nut Driver Sets

Deep socket type nut drivers provided as a set with a steel holding rack. The set consists of 7 nut drivers ranging from 5mm to 12mm in size.



| CODE | Size |
|--------|--------------------------------|
| 612366 | Nut driver set, 5 mm-12mm 7pcs |

Gear Chain Hoist



Round Hole Punches

Forged from selected tool steel with a fully polished finish.



| CODE | Hole Diam mm |
|---------------|--------------|
| 613001-613048 | 3-50 |

| CODE | description |
|--------|---------------------------|
| 615006 | 2 Tonnes Gear chain hoist |

Punching Tools Sets

Used for punching holes in soft brass, copper, and other soft metals as well as leather, canvas, and gasketing materials.



| CODE | Hole Size | Contents |
|--------|-----------|---------------------------------------------------------------------------------------|
| 613056 | 6-38mm | 16 pcs Punching dies(6,7,,89,10,11,12,13,16,19,22,25,28,32,35,38)1 pc Punching table. |

Center Punch Sets

Forged, tempered, alloy steel. Center punches of various size available in one compact case..



| CODE | CONTENTS |
|--------|-------------------------|
| 613065 | 9 pcs set Length 150mm |
| 613066 | 12 pcs set Length 150mm |

Pin Punch Sets Combination

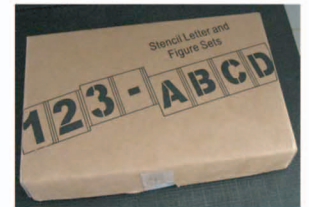
Forged, tempered alloy steel. Each set is furnished in a round wooden case.



| | | |
|--------|--------------------------------------------------------|-----|
| 613080 | Punch set, pin, combination 2.5-10mm, L150mm, 8pcs/set | Set |
|--------|--------------------------------------------------------|-----|

Stencil Letter and Figure Sets

Adjustable stencils for letters and figures. Due to a special design, the letters and figures may be joined together to form any word, address, etc. as required. The joined figures and letters are accurately spaced and on an even level to assure a perfect print. The size is taken according to the required height of letters and figures.



Combination Chisel Sets

Forged, tempered alloy steel. Contains 7 different types of chisel plastic case. Shank in a round diameter 8 mm,



| | | |
|--------|------------------------------------|-----|
| 613086 | Chisel set, combination 150 mm 7's | Set |
|--------|------------------------------------|-----|

Chisel & Punch Sets

Forged, tempered alloy steel. Consisting of different chisel and pin punch types in vinyl case.



| CODE | CONTENTS |
|--------|-------------------------|
| 613088 | 7 pcs set Length 150mm |
| 613089 | 12 pcs set Length 150mm |



| CODE | Size mm | Description | Set |
|---------|---------|-----------------------------|-----------------|
| 613133 | 25 | 76 Pieces A to Z and 0 to 9 | Letter & Figure |
| 613137 | 50 | | |
| 613139 | 75 | | |
| 613140 | 100 | | |
| 613133A | 25 | 38 Pieces A to Z and 0 to 9 | Letter & Figure |
| 613137A | 50 | | |
| 613139A | 75 | | |
| 613140A | 100 | | |
| 613143 | 25 | 26 Pieces A to Z only | Letter |
| 613147 | 50 | | |
| 613149 | 75 | | |
| 613150 | 100 | | |
| 613153 | 25 | 10 Pieces 0 to 9 only | Figure |
| 613157 | 50 | | |
| 613159 | 75 | | |
| 613160 | 100 | | |



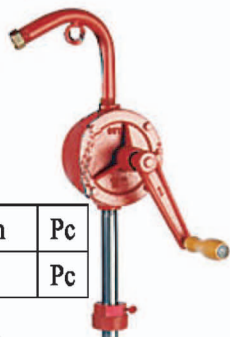
Handy Tools Sets

Basic tool set furnished in a carrying case contains the necessary tools for mechanics to perform daily maintenance activities.



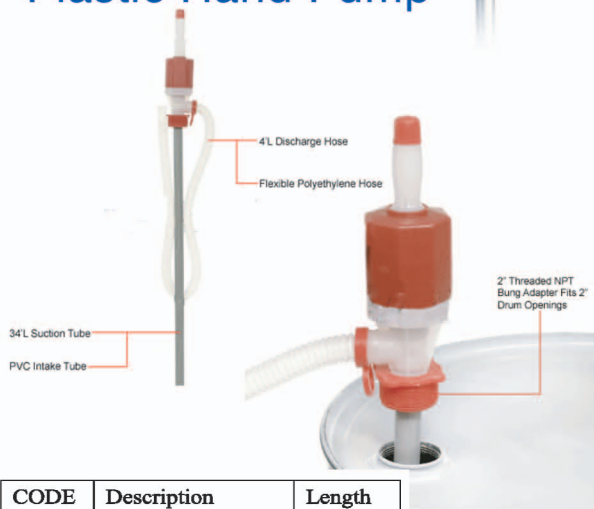
| | |
|--------|---------------------------------------------------|
| 613801 | Handy tool set in carrying case contains 14 tools |
| 613802 | Handy tool set in carrying case contains 20 tools |

Rotary Hand Pump



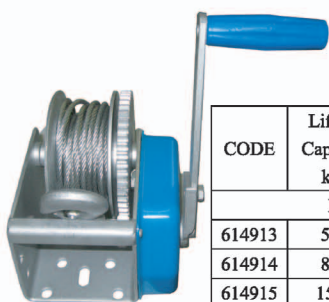
| | | |
|--------|---------------------------|----|
| 614006 | Rotary hand pump 3/4 inch | Pc |
| 614007 | Rotary hand pump 1 inch | Pc |

Plastic Hand Pump



| CODE | Description | Length |
|--------|-----------------------------|--------|
| 614010 | Pump,hand ,plastic | 540 |
| 614011 | Pump,hand ,plastic for drum | 1200mm |

Portable Hand Winches



| CODE | Lifting Capacity kgs | Reeling up length mtr | Applicable Rope Diam mm |
|--------------------------|----------------------|-----------------------|-------------------------|
| Ratchet Gear Type | | | |
| 614913 | 500 | 40 | 6.3 |
| 614914 | 800 | 40 | 8.0 |
| 614915 | 1500 | 40 | 9.0 |

S.S Couplings

A very useful clamp for connecting pipes easily and quickly without using pipe fittings or doing welding work. Designed for use with casing, rubber sleeve, bolt nut and washers.



| Grip Type | | | | | |
|----------------------|--------------|------------|---------------------|--------------|------------|
| Rubber (EPDM) Sleeve | | | Rubber (NBR) Sleeve | | |
| CODE | Nominal Size | Pipe OD mm | CODE | Nominal Size | Pipe OD mm |
| 614131 | 50A | 57-61 | 614141 | 50A | 57-61 |
| 614132 | 65A | 74-78 | 614142 | 65A | 74-78 |
| 614133 | 80A | 87-93 | 614143 | 80A | 87-93 |
| 614134 | 100A | 112-118 | 614144 | 100A | 112-118 |
| 614135 | 125A | 137-142 | 614145 | 125A | 137-142 |
| 614136 | 150A | 165-171 | 614146 | 150A | 165-171 |

S.S Clamps

A clamps for the quick repair of pit holes, punctures or splits in steel pipe. Repairs leaks on water, gas, oil, and pressure steam lines up to nominal working pressure 10kgf/cm²

| Rubber (EPDM) Sleeve | | | Rubber (NBR) Sleeve | | |
|----------------------|--------------|------------|---------------------|--------------|------------|
| CODE | Nominal Size | Pipe OD mm | CODE | Nominal Size | Pipe OD mm |
| 614170 | 50A | 57-61 | 614180 | 50A | 57-61 |
| 614171 | 65A | 74-78 | 614181 | 65A | 74-78 |
| 614172 | 80A | 87-93 | 614182 | 80A | 87-93 |
| 614173 | 100A | 112-118 | 614183 | 100A | 112-118 |
| 614174 | 125A | 137-142 | 614184 | 125A | 137-142 |
| 614175 | 150A | 165-171 | 614185 | 150A | 165-171 |
| 614176 | 200A | 211-221 | 614186 | 200A | 211-221 |
| 614177 | 250A | 263-273 | 614187 | 250A | 263-273 |
| 614178 | 300A | 314-324 | 614188 | 300A | 314-324 |

Grinding & Lapping Compound

For Precision lapping, fitting, surfacing, polishing & other use in machine shops. Universally used in 450gr. Supplied in 450gr. tin. Please specify grit number when ordering



| | |
|-----------|-----------------------------|
| 614201-17 | Grinding & Lapping Compound |
|-----------|-----------------------------|

Gear & Wheel Pullers

Designed for moving hard to pull gears, bearings or pulleys



Two Arms Type

| CODE | Maximum Spread mm | Maximum Reach mm | Capacity Tons |
|--------------------------|-------------------|------------------|---------------|
| 615050 | 75 | 55 | 2 |
| 615051 | 100 | 70 | 4 |
| 615052 | 150 | 100 | 6 |
| 615053 | 200 | 240 | 8 |
| 615054 | 250 | 250 | 10 |
| 615055 | 300 | 275 | 12 |
| 615057 | 450 | 370 | 18 |
| 615058 | 600 | 575 | 24 |
| Pullers type "GL" | | | |
| 615061 | 100 | 150 | 4 |
| 615062 | 150 | 190 | 6 |
| 615063 | 200 | 275 | 8 |
| 615064 | 250 | 300 | 10 |
| 615065 | 300 | 350 | 12 |
| 615067 | 450 | 440 | 18 |

Drum Hook for 1 Drum

Designed for lifting drum barrels with a hanging drum rib by hooks. Hooks with wire or chain can be made to order if required.



| | | |
|--------|-------------------------------|-----|
| 614026 | Drum hook,chain,for one drums | Set |
|--------|-------------------------------|-----|

Drum Hook for 2 Drums

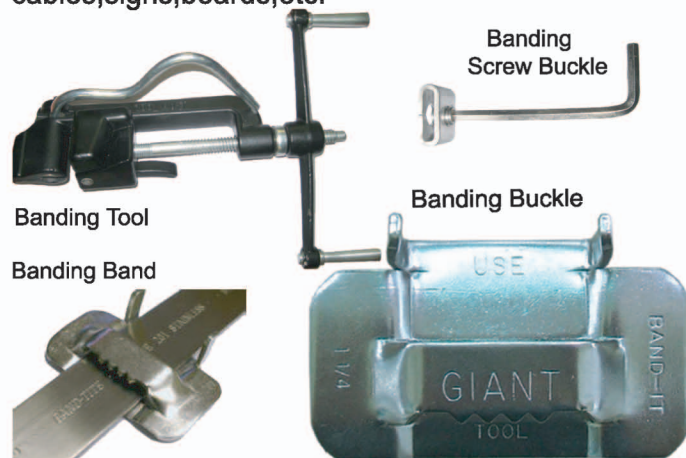
Quadruple chain sling with master link & drum hook for lifting two drum barrels simultaneously.



| | | |
|--------|-----------------------------|-----|
| 614025 | Drum hook,chain,for 2 drums | Pr. |
|--------|-----------------------------|-----|

Banding Clamps & Tools

Used in almost all industries. Tensioning tools, band, buckles, performed clamps, hose coupling, mounting brackets, accessories and spare parts offer a universal and economical fastening system. The products will connect, clamp, fasten, secure and fix hose, pipe, cables, signs, boards, etc.



| CODE | Description | |
|--------|-------------------------|---------------|
| 614101 | Banding Tool | |
| 614103 | Banding Band, S.Steel | 6.4mmx30Mtrs |
| 614104 | Banding Band, S.Steel | 9.5mmx30Mtrs |
| 614105 | Banding Band, S.Steel | 12.7mmx30Mtrs |
| 614106 | Banding Band, S.Steel | 16.0mmx30Mtrs |
| 614107 | Banding Band, S.Steel | 19.0mmx30Mtrs |
| 614109 | Banding Buckle, S.Steel | 6.4mmx100pcs |
| 614110 | Banding Buckle, S.Steel | 9.5mmx100pcs |
| 614111 | Banding Buckle, S.Steel | 12.7mmx100pcs |
| 614112 | Banding Buckle, S.Steel | 16.0mmx100pcs |
| 614113 | Banding Buckle, S.Steel | 19.0mmx100pcs |
| 614115 | Banding Screw Buckle | 6.4mmx50pcs |
| 614116 | Banding Screw Buckle | 9.5mmx50pcs |
| 614117 | Banding Screw Buckle | 12.7mmx50pcs |
| 614118 | Banding Screw Buckle | 16.0mmx50pcs |
| 614118 | Banding Screw Buckle | 19.0mmx50pcs |

Hose Bands

An extremely flexible one piece hose band that gives circumference contact even on irregular surfaces. Made from galvanized steel and stainless steel sealed by gear drive principle.

Steel

| CODE | Size mm | CODE | Size mm | CODE | Size mm |
|--------|---------|--------|---------|--------|---------|
| 614051 | 8-14 | 614055 | 22-32 | 614059 | 68-85 |
| 614052 | 11-17 | 614056 | 32-44 | 614060 | 77-95 |
| 614053 | 13-20 | 614057 | 11-56 | 614061 | 87-112 |
| 614054 | 15-24 | 614058 | 58-75 | | |

Stainless Steel

| CODE | Size mm | CODE | Size mm | CODE | Size mm |
|--------|---------|---------|---------|--------|---------|
| 614065 | 8-14 | 614069 | 22-32 | 614073 | 68-85 |
| 614066 | 11-17 | 614070 | 32-44 | 614074 | 77-95 |
| 614067 | 13-20 | 614071 | 44-56 | 614075 | 87-112 |
| 614068 | 15-24 | 9614072 | 58-75 | | |



Wing Pump Hand Operated

A double blade impeller assures a high pumping rate with great efficiency.



| CODE | Pipe Size mm | Capacity per minute ltr |
|--------|--------------|-------------------------|
| 614014 | 15 | 14 |
| 614015 | 20 | 18 |
| 614016 | 25 | 28 |
| 614017 | 32 | 36 |
| 614018 | 40 | 54 |
| 614019 | 50 | 75 |



Gear & Wheel Pullers

3 - arms

Drop forged from vanadium steel.



| CODE | Maximum Spread mm | Maximum Reach mm | Capacity Tons |
|--------|-------------------|------------------|---------------|
| 615070 | 125 | 140 | 5 |
| 615071 | 200 | 200 | 10 |
| 615072 | 300 | 270 | 20 |
| 615073 | 375 | 290 | 25 |
| 615074 | 450 | 320 | 30 |

Bearing Puller Sets



| CODE | Components |
|--------|-------------------------------------------------------|
| 615081 | 1 Sliding hammer 5 Grippers, no.00-06 1 Steel case |

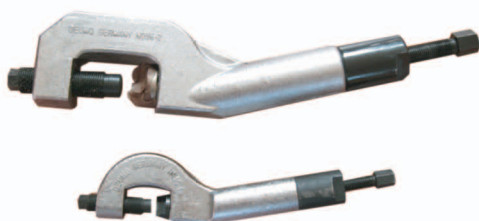


Hydraulic Bearing Puller

Design for the removal of frozen bearings.

| CODE | 615085 | 615086 | 615087 |
|-----------------------|----------------|--------|-----------------|
| Capacity Tons | 10 | 20 | 50 |
| Maximum Reach mm | 210 | 315 | 490 |
| Maximum Open mm | 250 | 350 | 500 |
| Applicable Ram Stroke | 150mm 255mm | 126mm | 153mm 300 mm |

Hydraulic Nut Splitters



| | | |
|--------|--------------------------------------------------------------|-----|
| 615180 | Nut splitter hydraulic size up to 1/2" and 7/8"BSW, 2pcs/set | set |
|--------|--------------------------------------------------------------|-----|

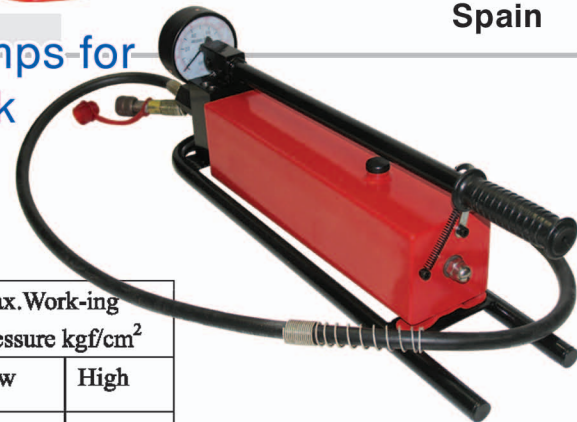
Hydraulic Jacks



| CODE | 615140 | 615141 | 615142 | 615143 |
|-------------------|----------|----------|----------|----------|
| Capacity (ton) | 30 | 50 | 50 | 50 |
| Stroke (mm) | 125 | 25 | 50 | 150 |
| Closed Height(mm) | 312 | 100 | 220 | 320 |
| Outer Diam.(mm) | 102 | 127 | 127 | 127 |
| Weight(kgs) | 16.8 | 8.6 | 19 | 28 |
| Pump Applicable | 61 51 57 | 61 51 56 | 61 51 57 | 61 51 59 |

Fuerza Spain

Hydraulic Pumps for Hydraulic Jack



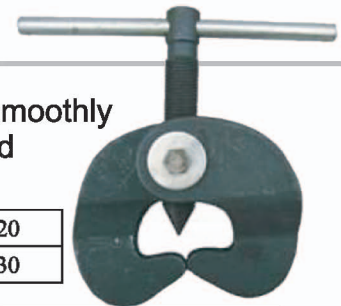
| CODE | Usable Oil Volume ltr | Max. Work-ing Pressure kgf/cm ² | |
|--------|-----------------------|--------------------------------------------|------|
| | | Low | High |
| 615157 | 0.7 | 30 | 720 |
| 615158 | 0.9 | 30 | 720 |
| 615159 | 1.3 | 30 | 720 |
| 615160 | 2.3 | 30 | 720 |

Fuerza Spain

Flange Jacks

The jacks exert tremendous pressure smoothly and evenly. The flanges are quickly and held in perfect alignment without damage to flange faces.

| | |
|--------|-------|
| 615184 | FS-20 |
| 615185 | FS-30 |



Kinetic Rim Guns for Cleaning Clogged pipes and Tubes

Designed for multi-purpose use. By using the hand pump, an air pressure of 10kgf/cm² can be built up.

Effective Range

| Pipe Diam mm | Effective Range MTR |
|--------------|---------------------|
| 12.5 | 100 |
| 25 | 90 |
| 50 | 70 |
| 75 | 45 |
| 100 | 35 |
| 125 | 35 |
| 130 | 30 |



Hand Riveters Tools

Contains a plier type hand riveter tool and two different diameter rivets, sized 3.2 mm and 4.0 mm each in two different lengths. Furnished in a steel carrying case



| | | |
|--------|--------------------------------|-----|
| 615233 | Hand riveter kit in steel case | Set |
|--------|--------------------------------|-----|

Pneumatic Riveters

Designed to set all standard sizes of blind rivets and works



| | | |
|--------|------------------------------------------|-----|
| 615251 | Pneumatic riveter, rivet diam 2.4-4.8 mm | Set |
|--------|------------------------------------------|-----|

Non-Spark Square Shovels



| Special Aluminum Bronze | | |
|-------------------------|----------|-----------------|
| CODE | Blade mm | O'all Length mm |
| 615951 | 180×225 | 910 |

Non-Spark Fiberglass Square Shovels



| | | |
|--------|-----------------------------------------------------------------------|-----|
| 615961 | Shovel, square, fiberglass, non-spark 290×445mm overall length 1040mm | Pc. |
|--------|-----------------------------------------------------------------------|-----|

Flaring Tools

| CODE | No. | Flare | Tube Diameter O.D. |
|--------|-------|-------|-------------------------------------|
| 616773 | 458 | 45° | 1/8, 3/16, 5/16, 3/8, 1/2, 5/8, 3/4 |
| 616775 | 345 | 45° | 1/2, 5/8, 3/4, 7/8, 1 |
| 616776 | 377 | 37° | 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4 |
| 616777 | 375 | 37° | 1/2, 5/8, 3/4, 7/8, 1 |
| 616778 | 458mm | 45° | 4, 4.75, 6, 8, 10, 12, 15, 16mm |



Lever-Type Tube Benders



| CODE | No. | Tube Diam O.D. | CODE | No. | Tube Diam O.D. |
|--------|-----|----------------|--------|------|----------------|
| 616780 | 403 | 3/16" | 616786 | 406m | 6mm |
| 616781 | 404 | 1/4" | 616787 | 408m | 8mm |
| 616782 | 405 | 5/16" | 616788 | 410m | 10mm |
| 616783 | 406 | 3/8" | 616789 | 412m | 12mm |
| 616785 | 408 | 1/2" | | | |

Aluminum Alloy 2-Extension Ladders



Made of two sections from aluminium alloy with round non-slip rungs.

| CODE | Length | | Safety Load at 75° Lean kgs |
|--------|---------------|-------------|-----------------------------|
| | Extended mtrs | Folded mtrs | |
| 617110 | 4.5 | 2.8 | 100 |
| 617111 | 5.1 | 3.1 | 150 |
| 617112 | 6.5 | 3.8 | 150 |
| 617113 | 7.2 | 4.1 | 150 |
| 617114 | 7.8 | 4.4 | 150 |
| 617115 | 9.2 | 5.1 | 150 |
| 617116 | 10.6 | 5.8 | 150 |

Aluminum Alloy Straight Ladders

Non-slip round rungs and non-slip rubber guide shoes at the bottom. Has 35 cm stepping space.



| CODE | Length mtrs | Safety Load at 75° Lean kgs |
|--------|-------------|-----------------------------|
| 617101 | 2.4 | 100 |
| 617102 | 3.0 | 150 |
| 617103 | 4.0 | 150 |
| 617104 | 5.0 | 150 |
| 617105 | 6.0 | 150 |

Compact Gas Torches



| | | |
|--------|--------------------------|-----|
| 617016 | Complete Set with Burner | Set |
|--------|--------------------------|-----|



Aluminum Alloy 2-Extension Ladders



| CODE | Length | | Safety Load at 75° Lean kgs |
|--------|---------------|-------------|--------------------------------|
| | Extended mtrs | Folded mtrs | |
| 617120 | 6.5 | 3.1 | 150 |
| 617121 | 8.1 | 3.8 | 150 |
| 617122 | 10.6 | 4.5 | 150 |
| 617123 | 12.6 | 5.2 | 150 |
| 617124 | 14.7 | 5.8 | 150 |

Aluminum Alloy Folding Ladders



| CODE | Length | |
|--------|---------------|-------------|
| | Extended mtrs | Folded mtrs |
| 617136 | 2.0 | 0.9 |
| 617137 | 2.7 | 1.2 |
| 617138 | 3.4 | 1.5 |
| 617139 | 4.1 | 1.9 |
| 617140 | 4.8 | 2.2 |

Accessories for Air Operated Grease Pump



IMPA CDOE:617565

| CODE | Description | Unit |
|--------|-------------------------------------------|------|
| 617412 | Grease gun w/flexible pipe & swivel joint | Set |

Grease Lubricators Air Operated



| | |
|----------------------|------------------------|
| CODE | 617501 |
| Pump Ratio | 40:1 |
| Feature | Common Type |
| Max. Output Pressure | 230kgf/cm ² |
| Max. Outlet Quantity | 350grm/min |
| Max. Air Consumption | 130ltr/min |
| Grease Capacity | 16-18kg |

Oil Bucket Pumps Hand Operated



| | |
|--------------------|--------------|
| CODE | 617536 |
| Model | STB-60 |
| Pump Output | 40 cc/stroke |
| Container Capacity | 20 Ltr. |
| Height | 795 mm |

Aluminum Alloy Step Ladders

A strong framed step ladder for use indoors or outdoors when cleaning, painting, or doing repair work.



| CODE | Height mtrs | Nos. of Steps |
|--------|-------------|---------------|
| 617126 | 0.9 | 3 |
| 617127 | 1.2 | 4 |
| 617128 | 1.5 | 5 |
| 617129 | 1.8 | 6 |
| 617130 | 2.1 | 7 |
| 617131 | 2.4 | 8 |
| 617132 | 2.7 | 9 |
| 617133 | 3.0 | 10 |
| 617134 | 3.6 | 12 |

High-Pressure Grease Bucket Pumps Hand Operated



| | |
|--------------------|------------------------|
| CODE | 617516 |
| Model | SK-55 |
| Output Pressure | 250kgf/cm ² |
| Output/Stroke | 3.2grm/stroke |
| Stroke | 38-43 mm |
| Container Capacity | 16 Ltr |

Grease Nipple for Hydraulic Fittings



A Straight



B 67.5°



C 90°



Straight



Pin Type



Button Head

| CODE | Nominal Size(Thread) | Type |
|---------|----------------------|---------------|
| 617605 | M6×0.5 | A Straight |
| 617606 | M6×1.0 | |
| 617607 | PT 1/8 | |
| 617608 | PT 1/4 | |
| 617609 | PT 3/8 | |
| 6176010 | NPT 1/8 | |
| 6176011 | NPT 1/4 | |

| CODE | Nominal Size(Thread) | Type |
|--------|----------------------|------------|
| 617613 | PT 1/8 | B 67.5° |
| 617614 | PT 1/4 | |
| 617615 | NPT 1/8 | |
| CODE | Nominal Size(Thread) | Type |
| 617616 | PT 1/8 | C 90° |
| 617617 | PT 1/4 | |

| CODE | Nominal Size(Thread) | Type |
|---------|----------------------|-------------|
| 617621 | PF 1/8 | Pin Type |
| 617622 | PF 1/4 | |
| 617623 | PF 3/8 | |
| 617624 | PT 1/8 | |
| 617625 | PT 1/4 | |
| 6176026 | PT 3/8 | |
| 6176027 | PT 1/2 | |

| CODE | Nominal Size(Thread) | Type |
|--------|----------------------|----------|
| 617618 | 6mm | Straight |

| CODE | Nominal Size(Thread) | Type |
|--------|----------------------|----------------|
| 617630 | PF 1/8×15 | Button Head |
| 617631 | PF 1/4×15 | |
| 617632 | PF 1/8×17 | |
| 617633 | PF 1/4×17 | |
| 617634 | PF 3/8×17 | |
| 617635 | PF 1/2×22 | |
| 617636 | M12×1.5 | |
| 617637 | PT 1/8×17 | |
| 617638 | PT 1/4×17 | |

Flexible Extension Hose

Used for hand lever grease guns only for hydraulic grease lubrication. All are 4.75mm I.D. one-wire nylon braided, 120 kgf/cm² working and 420 kgf/cm² burst pressure.



| Code | Grease Nipple type | Male Thread |
|--------|----------------------------|-------------|
| 617680 | Pin type | PT 1/8 |
| 617681 | Button Head type | PT 1/8 |
| 617682 | Hydraulic or straight type | PT 1/8 |

Air Powered Grease Lubricators



| | |
|----------------------|----------------------------------|
| CODE | 617691 |
| Lubrication Pressure | 450kgf/cm ² |
| Output/stroke | App.1 gm/stroke |
| Capacity | 400 gm with use of the cartridge |
| Size | 380×360×70mm |
| Weight | 2.1kgs |

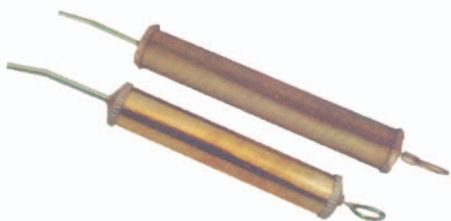
Lever Type Hand Grease Guns



| CODE | Model | Capacity cc | Max. Working Pressure kgf/cm ² |
|--------|-------|-------------|-------------------------------------------|
| 617702 | KH-35 | 400 | 250 |

Oil Syringes

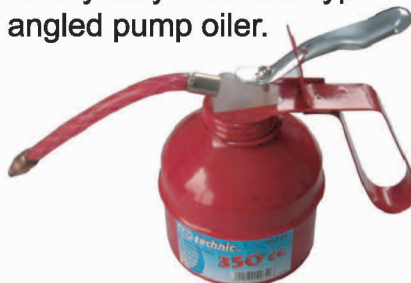
Provide fast, clean servicing for rapid transfer of any fluid or lubricant. Pulling or pushing the handle intakes or discharges the lubricant.



| CODE | Capacity cc | Length mm |
|--------|-------------|-----------|
| 617717 | 540 | 695 |

Heavy Duty Pump Oilers

Heavy duty industrial type angled pump oiler.



| CODE | Spout Type | Capacity cc | Wt. grms. |
|--------|------------|-------------|-----------|
| 617736 | Flexible | 175 | 145 |
| 617737 | Flexible | 350 | 290 |

Oil Jugs

Made of plastic. Characteristic: Complete set with oil nozzle, lock screw. Special cover design forbidden oil splash



| CODE | Capacity |
|--------|----------|
| 617745 | 1Ltr |
| 617746 | 2Ltr |
| 617747 | 3Ltr |
| 617748 | 4Ltr |
| 617749 | 5Ltr |