

















|          |                                     |           |  |
|----------|-------------------------------------|-----------|--|
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## 1. Bench work tools

## Hammers

## Machinist hammers, wooden handle, square peen



Designed for fitting work. Head is covered in black lacquer and reliably fixed on the handle with a help of the wedge and special epoxide adhesive. Working parts of the head have selective hardening, hardness is 55 HRC. Head is forged and milled, made of grade 50 steel. Two-colored wooden handle with straight fiber, without twigs, protected from drying out by colorless lacquer.

| Item   | specification | Package. | min. package |
|--------|---------------|----------|--------------|
| 102269 | 100 g         | 120      | 12           |
| 102279 | 200 g         | 72       | 12           |
| 102289 | 300 g         | 48       | 6            |
| 102309 | 400 g         | 36       | 6            |
| 102329 | 500 g         | 36       | 6            |
| 102339 | 600 g         | 24       | 6            |
| 102359 | 800 g         | 24       | 6            |
| 102369 | 1000 g        | 12       | 6            |
| 102379 | 1500 g        | 12       | 6            |

## Machinist hammers, fiberglass two-component handle, square peen



Designed for fitting work. Head is covered in black lacquer and reliably fixed on the handle with a help of the wedge and special epoxide adhesive. Working surface of the head has 57 HRC hardness at the layer not less than 5 mm deep. Hammer head is forged. Forging improves the metal structure due to uniformity and grain refinement increase, this increases durability and wear-resistance. Hammer head is milled, polished and painted for anticorrosion protection. Handle is made of fiberglass, which has high mechanic durability (10 times higher than wood), and resistant to oil, gas and solvent impact.

| Item   | specification | Package. | min. package |
|--------|---------------|----------|--------------|
| 103159 | 100 g         | 120      | 12           |
| 103179 | 200 g         | 72       | 12           |
| 103209 | 300 g         | 48       | 6            |
| 103229 | 400 g         | 36       | 6            |
| 103309 | 500 g         | 36       | 6            |
| 103409 | 600 g         | 24       | 6            |
| 103509 | 800 g         | 12       | 6            |
| 103609 | 1000 g        | 12       | 6            |
| 103639 | 1500 g        | 12       | 6            |

## Claw-hammer, fiberglass two-component handle



Designed for woodworking. Head is made of instrumental steel, has selective hardening (hardness 55HRC) and polishing. Includes magnet fixator for nails, which allows to work with one hand. Fiberglass handle with rubber patch amortize the kickback and comfortable at work.

| Item   | specification                 | Package. | min. package |
|--------|-------------------------------|----------|--------------|
| 104469 | 450 g, peen 27 mm with magnet | 24       | 6            |



Designed for woodwork. Head is made of instrumental steel, has selective hardening (hardness 55HRC) and polishing. Fiberglass handle with rubber patch amortize the kickback and comfortable at work.

| Item   | specification     | Package. | min. package |
|--------|-------------------|----------|--------------|
| 104509 | 450 g, peen 27 mm | 24       | 6            |

## Fullmetal claw-hammer, two-component handle



Designed for woodwork. Fullmetal claw-hammer is made of instrumental steel, forged, with precise heat-treatment. Working part of the head is hardened and brought to 55 HRC hardness. Rubbered two-component handle provides a comfortable and reliable grip. Head slip out is excluded.

| Item   | specification    | Package. | min. package |
|--------|------------------|----------|--------------|
| 104609 | 450 g, nail-claw | 24       | 6            |



Designed for woodwork. Fullmetal claw-hammer is made of instrumental steel, forged, with precise heat-treatment. Working part of the head is hardened and brought to 55 HRC hardness. Rubbered two-component handle provides a comfortable and reliable grip. Head slip out is excluded.

| Item   | specification   | Package. | min. package |
|--------|-----------------|----------|--------------|
| 104639 | 570 g, claw-axe | 24       | 6            |

## Fullmetal roofing hammers, two-component handle



Fullmetal claw-hammer is made of high quality instrumental steel, forged, with precise heat-treatment. Working part of the head is hardened and brought to 55 HRC hardness. Polished and forged head has magnet fixator for nails, which allows to work with one hand. Head slip out is excluded.

| Item   | specification | Package. | min. package |
|--------|---------------|----------|--------------|
| 106209 | 600 g         | 18       | 6            |

## Fullmetal brick hammers, two-component handle



Fullmetal hammer is made of instrumental steel, forged, with precise heat-treatment. Working part of the head is hardened and brought to 55 HRC hardness. Extended shrapened hammer pane allows to break bricks and stones. Head slip out is excluded.

| Item   | specification | Package. | min. package |
|--------|---------------|----------|--------------|
| 106309 | 600 g         | 24       | 6            |

## Car repair kits



Car repair kit includes 3 straightening hammers, 4 anvils with different shapes. All tools are made of instrumental steel. Hardness of the working parts is 55 HRc. Fiberglass handles amortize the kickback. Kit is packed in a convenient plastic case. Designed for repair work.

| Item   | specification   | Package. | min. package |
|--------|---|----------|--------------|
| 108459 | 3 hammers, 4 anvils, fiberglass handles, plastic case | 2        | 1            |



All nozzles are made of chrome-vanadium steel. Hardness of the working parts is 55 HRc. Holder is made of chrome-vanadium steel. Changeable peens are coated in black lacquer. Handle is rubbered. The kit is packed in the plastic case for more storage and transportation convenience. Designed for repair work.

| Item   | specification  | Package. | min. package |
|--------|--|----------|--------------|
| 108509 | Fullmetal hammer, rubbered handle; changeable heads, 9 pcs; plastic case | 10       | 1            |



Components - holder for nozzles and nozzles: flat chisel (4 pcs.) with spherical peen, semicircular chisel with triangle peen, with rectangular peen, with round peen, kern for semicircular canals. All nozzles are made of chrome-vanadium steel. Hardness of the working parts is 55 HRc. Holder is made of chrome-vanadium steel. The kit is packed in the plastic case. Designed for repair work.

| Item   | specification  | Package. | min. package |
|--------|--|----------|--------------|
| 135109 | Holder, rubbered handle; changeable heads, 10pcs; plastic case | 10       | 1            |

## Sledgehammers

### Sledgehammers, forged head, wooden two-colored extended handle 380 mm



Designed for woodwork and roofing work. Sledgehammer head is forged, made of steel 50, covered in black lacquer. Head is given a selective hardening, which provides special hardness and durability (52 HRc). Peen is a little convex and polished from both sides. Wooden handle is extended and coated in lacquer to prevent deformation.

| Item   | specification | Package. | min. package |
|--------|---------------|----------|--------------|
| 109029 | 1000 g        | 12       | 6            |
| 109039 | 1500 g        | 12       | 1            |
| 109049 | 2000 g        | 12       | 6            |

### Sledgehammers, forged head, fiberglass two-component handle



Designed for woodwork and roofing work. Sledgehammer head is forged, made of steel 50, covered in black lacquer. Head is given a selective hardening, which provides special hardness and durability (52 HRc). Peen is a little convex and polished from both sides. Fiberglass handle amortize the kickback during the hit. Rubber coating prevents the hand slipping and provides convenient and reliable grip.

| Item   | specification | Package. | min. package |
|--------|---------------|----------|--------------|
| 109199 | 1000 g        | 12       | 6            |
| 109209 | 1500 g        | 12       | 6            |
| 109219 | 2000 g        | 12       | 6            |

### Sledgehammers, forged head, fiberglass rubbered handle 900 mm



Designed for woodwork and roofing work. Sledgehammer head is forged, made of steel 50, covered in black lacquer. Head is given a selective hardening, which provides special hardness and durability (52 HRc). Peen is little a convex and polished from both sides. Fiberglass handle amortize the kickback during the hit. Rubber coating prevents the hand slipping and provides convenient and reliable grip. Head is put on the handle "by pulling", what increases the reliability of the fixation.

| Item   | specification | Package. | min. package |
|--------|---------------|----------|--------------|
| 109229 | 3000 g        | 4        | 1            |
| 109239 | 4000 g        | 4        | 1            |
| 109249 | 5000 g        | 4        | 1            |

## Rubbered dead blow sledgehammers



Designed for woodwork. Working part of the sledge represents itself a wholly casted shell made of shockproof plastic. Inner metal body of the peen is filled with steel balls to exclude the hammer kick after the hit.

| Item   | specification | Package. | min. package |
|--------|---------------|----------|--------------|
| 109869 | 675 g         | 24       | 6            |



## Mallets

### Mallets, black and white rubber, fiberglass rubbered handle



Mallet has a head with black and white peens, which doesn't leave marks on the light surfaces, rubber hardness is 70 units of Shore. Fiberglass handle is rubbered, what prevents slipping in the hand, has high mechanical durability, resistant to the effects of the aggressive environment and effectively extinguishes the vibration. Mallet is designed for mounting and assembling works, also for laying floor, wall and sidewalk (depending on the weight of the head) tiles.

| Item          | specification | Package. | min. package |
|---------------|---------------|----------|--------------|
| <b>111709</b> | 225 g         | 36       | 6            |
| <b>111719</b> | 450 g         | 24       | 6            |
| <b>111729</b> | 680 g         | 24       | 6            |

### Mallets, black rubber, fiberglass rubbered handle



Mallet has a head with black peens with rubber hardness 75 units of Shore. Fiberglass handle is rubbered, what prevents slipping in the hand, has high mechanical durability, resistant to the effects of the aggressive environment and effectively extinguishes the vibration. Mallet is designed for mounting and assembling works, also for laying floor, wall and sidewalk (depending on the weight of the head) tiles.

| Item          | specification | Package. | min. package |
|---------------|---------------|----------|--------------|
| <b>111759</b> | 225 g         | 36       | 6            |
| <b>111859</b> | 450 g         | 24       | 6            |
| <b>111939</b> | 680 g         | 24       | 1            |

### Mallets, white rubber, fiberglass rubbered handle



Mallet has a head with white peens, which doesn't leave marks on the light surfaces, rubber hardness is 70 units of Shore. Fiberglass handle is rubbered, what prevents slipping in the hand, has high mechanical durability, resistant to the effects of the aggressive environment and effectively extinguishes the vibration. Mallet is designed for mounting and assembling works, also for laying floor, wall and sidewalk (depending on the weight of the head) tiles.

| Item          | specification | Package. | min. package |
|---------------|---------------|----------|--------------|
| <b>111959</b> | 225 g         | 36       | 6            |
| <b>111969</b> | 450 g         | 24       | 6            |
| <b>111979</b> | 680 g         | 24       | 12           |

## Hex key sets

### Hex keys, CrV



Hex keys designed to work with fasteners fitted with internal hexagonal socket. Keys made of carbon steel. Oxidized coating. The hardness of the steel 49-53 HRC. When working in confined spaces long end is used as a working part. Sold separately and are individually marked.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>112059</b> | 4 mm          | 1000    | 1           |
| <b>112259</b> | 5 mm          | 500     | 250         |
| <b>112129</b> | 6 mm          | 400     | 1           |

|               |       |     |     |
|---------------|-------|-----|-----|
| <b>112149</b> | 7 mm  | 250 | 125 |
| <b>112169</b> | 8 mm  | 200 | 100 |
| <b>112309</b> | 10 mm | 100 | 50  |
| <b>112329</b> | 12 mm | 60  | 30  |

### Hex keys, CrV



Hex keys set designed to work with fasteners fitted with internal hexagonal socket. The keys are made of chrome-vanadium steel. When working in confined spaces long end is used as a working part. Complete with a handy plastic body.

| item          | specification                | package | min package |
|---------------|------------------------------|---------|-------------|
| <b>112269</b> | 1,5–10 mm, 9 pcs., HEX       | 72      | 12          |
| <b>112229</b> | 2,0–12 mm, 9 pcs., HEX       | 72      | 12          |
| <b>112279</b> | 2,0–12 mm, 9 pcs., long, HEX | 48      | 12          |



The keys made of chrome-vanadium steel and equipped with a handy plastic body. When working in confined spaces long end is used as a working part. The complete set includes keys 1,5-2-2,5-3-4-5-6-8-10 mm. Hex key set designed to work with fasteners fitted with internal hexagonal socket.

| item          | specification                | package | min package |
|---------------|------------------------------|---------|-------------|
| <b>112319</b> | 1,5–10 mm, 9 pcs., long, HEX | 36      | 6           |



The keys made of chrome-vanadium steel and equipped with a handy plastic body. When working in confined spaces long end is used as a working part. The complete set includes keys 1,5-2-2,5-3-4-5-6-8-10 mm. Hex key set designed to work with fasteners fitted with internal hexagonal socket. The ball tip allows you to work at an angle in tight spaces.

| item          | specification                          | package | min package |
|---------------|--|---------|-------------|
| <b>112339</b> | 1,5–10 mm, 9 pcs., long, ball tip, HEX | 36      | 6           |



Sets of short, long and extra-long hex keys TM MTX designed to work with fasteners fitted with splines HEX or TORX. Keys are L-shaped, made of high quality chrome vanadium steel 50 HRC. Satin coating allows you to securely hold keys with high torque. Keys are equipped with the plastic body for easy storage and transportation.

| item          | specification                                       | package | min package |
|---------------|---|---------|-------------|
| <b>123019</b> | 2–12 mm, 9 pcs., short, satin, HEX                  | 48      | 12          |
| <b>123029</b> | 2–12 mm, 9 pcs., long, satin, HEX                   | 36      | 12          |
| <b>123089</b> | 2–12 mm, 9 pcs., extra-long, satin, HEX             | 36      | 12          |
| <b>123039</b> | 1,5–10 mm, 9 pcs., short, satin, HEX                | 48      | 12          |
| <b>123049</b> | 1,5–10 mm, 9 pcs., long, satin, HEX                 | 48      | 12          |
| <b>164099</b> | 1,5–10 mm, 9 pcs., extra-long, satin, HEX           | 36      | 12          |
| <b>164109</b> | 1,5–10 mm, 9 pcs., extra-long, ball tip, satin, HEX | 36      | 12          |
| <b>164119</b> | 2–12 mm, 9 pcs., extra-long, ball tip, satin, HEX   | 36      | 12          |
| <b>123059</b> | T10-T50, 9 pcs., short, satin, TORX                 | 48      | 12          |
| <b>123069</b> | T10-T50, 9 pcs., long, satin, TORX                  | 36      | 12          |
| <b>123079</b> | T10-T50, 9 pcs., extra-long, satin, TORX            | 36      | 12          |

### Hex keys set, fabric cover, CrV



Sets of short and long allen keys TM MTX designed to work with fasteners fitted with splines HEX and TORX. Keys are L-shaped, made of high quality chrome vanadium steel 50 HRC. Satin coating allows you to securely hold keys with high torque. The keys are packed in fabric cover equipped with a loop for carrying on a belt. Set equipped with a cardboard hanger will place the set on the bench.

| item          | specification                                   | package | min package |
|---------------|---|---------|-------------|
| <b>123099</b> | 1,5–12 mm, 10 pcs., short, satin, HEX           | 48      | 12          |
| <b>123109</b> | 1,5–12 mm, 10 pcs., long, satin, HEX            | 36      | 12          |
| <b>123119</b> | 1,5–12 mm, 10 pcs., long, ball tip, satin, HEX  | 36      | 12          |
| <b>123129</b> | T10-T50, 9 pcs., short, satin, TORX-TORX Tamper | 48      | 12          |
| <b>123139</b> | T10-T50, 9 pcs., long, satin, TORX-TORX Tamper  | 36      | 12          |

### Hex keys set, fabric case, CrV



Sets of short and long hex keys TM MTX designed to work with fasteners HEX and TORX. Keys are L-shaped, made of high quality chrome vanadium steel hardness of 50 HRC. Satin coating tool allows you to securely hold keys with high torque. The keys are packed in a fabric case convenient for storage and transportation.

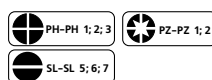
| item          | specification  | package | min package |
|---------------|--|---------|-------------|
| <b>123149</b> | 1,5–10 mm, Torx-Tamper Torx T10-T50, 18 pcs, short, satin, HEX | 48      | 12          |
| <b>123159</b> | 1,5–10 mm, Torx-Tamper Torx T10-T50, 18 pcs, long, satin, HEX  | 36      | 12          |

### Screwdriver Bits, 50 mm, 10 pcs., plastic case, CrV



Bits are made of stainless steel 45X, hardened and combines high hardness (53-54 HRC) with durability. The set contains 10 bits one-side 25 mm long, packed in a plastic case. Bits are designed to use as interchangeable nozzles in the mechanized and hand tools.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>113809</b> | PH1           | 160     | 10          |
| <b>113829</b> | PH2           | 160     | 16          |
| <b>113869</b> | PZ1           | 120     | 10          |
| <b>113889</b> | PZ2           | 120     | 12          |



Bits are made of stainless steel 45X, hardened and combines high hardness (53-54 HRC) with durability. The set contains 10 bits double-sided 25 mm long, packed in a plastic case. Bits are designed to use as interchangeable nozzles in the mechanized and hand tools.

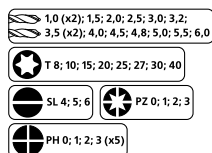
| item          | specification                                   | package | min package |
|---------------|---|---------|-------------|
| <b>113969</b> | 10 pcs., double-side 65 mm, SL-SL, PH-PH, PZ-PZ | 120     | 12          |

### Bit set



The set consists of a magnetic holder and interchangeable screwdriver bits made of stainless steel 45X, which combines high hardness (53-54 HRC) with durability. The set includes different bits. Bits are designed for use as interchangeable nozzles in the mechanized and hand tools. Magnetic holder located in a drill chuck or screwdriver and allows you to change the size and type of bit quickly.

| item          | specification                             | package | min package |
|---------------|---|---------|-------------|
| <b>113929</b> | 7 pcs., magnet adapter, plastic case, CrV | 120     | 10          |



The set is intended for assembly and disassembly of threaded connections, screws using mechanized and manual tools. Includes 40 items: magnetic adapter for a bit - 1 pc.; bits 25 mm - 24 pcs. PH 0, 1, 2, 3; PZ 0, 1, 2, 3; T 8, 10, 15, 20, 25, 27, 30, 40; Drill diameter 1, 1.5, 2, 2.5, 3, 3.2, 3.5, 4, 4.5, 4.8, 5, 5.5, 6 mm. Bits are made from chrome vanadium steel, drills are titanium nitride coated. For easy storage and transportation tool is placed in a plastic box.

| item          | specification                              | package | min package |
|---------------|--|---------|-------------|
| <b>113229</b> | 40 pcs., magnet adapter, plastic case, CrV | 12      | 6           |

## Bits

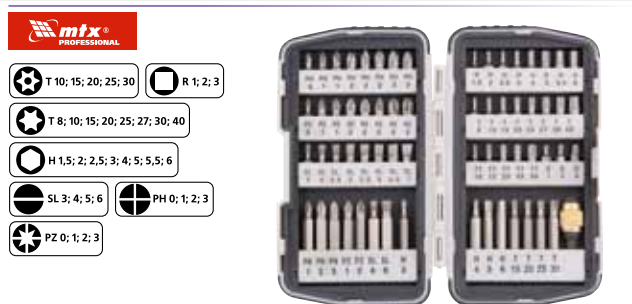
### Screwdriver Bits, 25 mm, 20 pcs., plastic case, CrV



Bits are made of stainless steel 45X, hardened and combines high hardness (53-54 HRC) with durability. The set contains 20 bits one-side 25 mm long, packed in a plastic case. Bits are designed to use as interchangeable nozzles in the mechanized and hand tools.

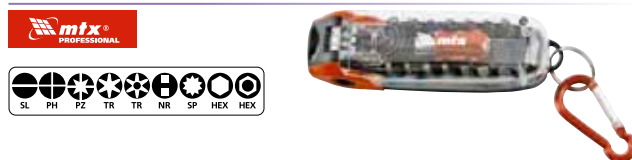
| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>113019</b> | SL5,0         | 150     | 1           |
| <b>113509</b> | PH1           | 150     | 10          |
| <b>113529</b> | PH2           | 150     | 10          |





The set is intended for assembly and disassembly of threaded connections, screws using mechanized and manual tools. Includes 64 items: magnetic adapter for a bit - 1 pc.; Bits 25 mm – 48 pcs. PH 0, 1, 2, 3; PZ 0, 1, 2, 3; SL 3, 4, 4.5, 5, 5.5, 6, 6.5, 7 mm; HEX 1.5, 2, 2.5, 3, 4, 5, 5.5, 6; TORX 8, 10, 15, 20, 25, 27, 30, 40; TT 10, 15, 20, 25, 30; R 1, 2, 3; Bits 50 mm – 15 pcs. PH 1, 2, 3; PZ 1, 2; SL 4, 5; H 3, 4, 5, 6; T 15, 20, 25, 30. All products are made from chrome vanadium steel. For easy storage and transportation set placed in a plastic box. Bits are designed for use as interchangeable nozzles in the mechanized and hand tools. Magnetic holder located in a drill chuck or screwdriver and allows you to quickly change the size and type of bit.

| item          | specification                              | package | min package |
|---------------|--|---------|-------------|
| <b>113279</b> | 64 pcs., magnet adapter, plastic case, CrV | 12      | 6           |



Multifunctional set of bits with magnetic adapter. Bits are made from chrome vanadium steel, combine high hardness, universal and of wear resistance. Magnetic adapter with optional locking ring provides quick change and secure bitholder. Due to the possibility of joining the magnetic adapterboxing transformers at different angles, this set can be used as a screwdriver. Bits are designed for use as interchangeable nozzles in the mechanized and hand tools. Magnetic holder located in a drill chuck or screwdriver and allows you to quickly change the size and type of bit. Bits 25 mm - 14 pcs. Bits 50 mm - 2 pcs. Magnetic Adapter - 1 pc. Carabiner - 1 pc.

| item          | specification                              | package | min package |
|---------------|--|---------|-------------|
| <b>113839</b> | 18 pcs., magnet adapter, plastic case, CrV | 48      | 12          |



Set is intended for assembly and disassembly of threaded connections, screws using mechanized and manual tools. The set includes 61 Item: magnetic adapter for a bit - 1 pcs.; bits 25 mm - 60 pcs.: SL 3, 4, 5, 5.5, 6, 7, 8 mm; PZ 0, 1, 2, 3; PH 0, 1, 2, 3; H 1.5, 2, 2.5, 3, 3.5, 4, 4.5, 5, 5.5, 6, 7, 8 mm; T 5, 6, 8, 9, 10, 15, 20, 27, 30, 35, 40; Spanner 4, 6, 8, 10; TT 10, 15, 20, 25, 27, 30, 35; HS 2, 2.5, 3, 4, 5, 6 mm. Bits are made from chrome vanadium steel, placed in a small plastic box with a retractable slider clip for hanging or carrying on the lumbar belt. Bits are designed to use as interchangeable nozzles in the mechanized and hand tools. Magnetic holder located in a drill chuck or screwdriver and allows you to quickly change the size and type of bit.

| item          | specification                              | package | min package |
|---------------|--|---------|-------------|
| <b>113879</b> | 61 pcs., magnet adapter, plastic case, CrV | 36      | 12          |

## Adapters



Magnetic adapter is designed for fixing bit with hexagonal shank. Made of carbon steel. Magnetic adapter installed in a drill chuck or screwdriver and allows you to change the size and type of bit quickly.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>113989</b> | 10 pcs.       | 100     | 1           |

## Magnetizer-demagnetizer for tip of screwdriver and bits



Designed for magnetizing / demagnetizing of hand tools (screwdrivers, keys, etc.). On the left side of the device can be magnetized metal objects, due to the influence of the field generated by powerful magnets directed C8. In the right window, the device can perform inverse operations; remove the magnetization with metal just spent on the field demagnetization several times. When work does not require an external power source and its quality of the device has a compact size and light weight. The body is made of impact resistant high quality plastic.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>115639</b> |               | 96      | 1           |

## Nut drivers



Nut drivers for screws, roofing screws and hex head screws. Made of high quality chrome vanadium steel. Bits are designed for use as interchangeable nozzles in the mechanized and hand tools.

| item          | specification            | package | min package |
|---------------|--------------------------|---------|-------------|
| <b>115669</b> | 6 mm, L = 45 mm, 2 pcs.  | 480     | 12          |
| <b>115689</b> | 7 mm, L = 45 mm, 2 pcs.  | 480     | 12          |
| <b>115699</b> | 8 mm, L = 45 mm, 2 pcs.  | 480     | 12          |
| <b>115719</b> | 10 mm, L = 45 mm, 2 pcs. | 480     | 12          |
| <b>115739</b> | 8 mm, L = 65 mm, 2 pcs.  | 300     | 10          |
| <b>115769</b> | 10 mm, L = 65 mm, 2 pcs. | 300     | 10          |

## Screwdrivers

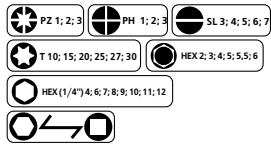
### Screwdriver with T-handle, bits, CrV



Bit holder and screwdriver bits are made of chrome-vanadium steel. Hardness of steel 53 HRC. Set includes bits: PH1, 2, 3; SL3,4,5,6,8; PZ 1, 2, 3. The bits intended to be used as replacement nozzles in a power and hand tools.

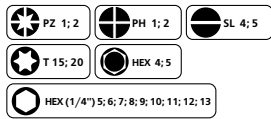
| item          | specification     | package | min package |
|---------------|-------------------|---------|-------------|
| <b>115679</b> | 11 pcs., T-handle | 50      | 1           |

### Screwdriver with T-handle, bits, sockets CrV



Screwdriver designed for assembly and disassembly of threaded connections. Ergonomic T-handle with improved design is convenient for working with effort. The set includes a screwdriver bit made of chrome-vanadium steel, 25 mm length SL, PH and Torx, sockets - 4, 6, 7, 8, 9, 10, 11, 12 mm. For easy storage and transportation of screwdriver, sockets and bits set packed in a plastic case.

| item   | specification                                  | package | min package |
|--------|--|---------|-------------|
| 115729 | 36 pcs., T-handle, plastic case, bits, sockets | 40      | 1           |



Screwdriver designed for assembly and disassembly of threaded connections. Ergonomic T-handle with improved design is convenient for working with effort. The set includes a screwdriver bit made of chrome-vanadium steel, 25 mm length PH1; PH2; PZ1; PZ2; SL4; SL5; T15; T20; H4; H5, sockets - 5, 6, 7, 8, 9, 10, 11, 12, 13 mm, adapter for sockets. For easy storage and transportation of screwdriver, sockets and bits set packed in a plastic case.

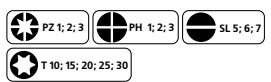
| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 115749 | 19 pcs., CrV, T-handle, plastic case, bits, sockets, adapter | 30      | 5           |

### Screwdriver with ratchet mechanism and bits



Ratchet screwdriver with a set of sockets and bits. Sockets and bits made of high quality chrome vanadium steel. The tool is provided with a ratchet mechanism, which increases productivity. Bits 25 mm PH 1, 2, 3; PZ 1, 2, 3; SL 4, 5, 6 mm; adapter; sockets 5, 6, 10 and 11 mm.

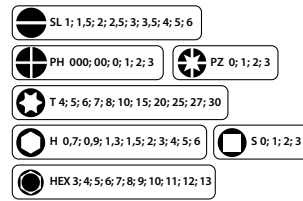
| item   | specification                                | package | min package |
|--------|--|---------|-------------|
| 113329 | 16 pcs., bits, sockets, adapter for sockets, | 72      | 12          |



Designed for assembly and disassembly of threaded connections, has a two-component ergonomic anti-slip handle and a set of bits - 14 (25 mm) from chrome vanadium steel: SL 5, 6, 7 mm; PH 1, 2, 3; PZ 1, 2, 3; T 10, 15, 20, 25, 30.

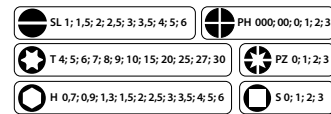
| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 113379 | 14 pcs., CrV  | 72      | 1           |

### Screwdriver with ratchet mechanism and bits, CrV



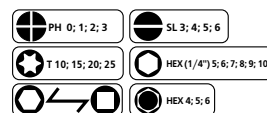
The set designed for mounting and dismounting of threaded connections of different type. The set includes a screwdriver for precise work and bits for precise work and operations with small details. The set has 61 item. Bits and sockets are made of high quality CRV steel with 50-52 hardness. The set includes: Adapter, Bit holder, Precision screwdriver, Reverse screwdriver, Bits 25 mm - 30 pcs., Precision bits - 24 pcs., Sockets - 9 pcs.

| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 117849 | Reverse screwdriver with a set of bits and sockets, 67 pcs., CrV | 24      | 6           |



The set designed for mounting and dismounting of threaded connections of different type. The set includes a screwdriver for precise work and bits for precise work and operations with small details. The set has 61 item. Bits and sockets are made of high quality CRV steel with 50-52 hardness. The set includes: Adapter, Bit holder, Screwdriver for precise work, Reverse screwdriver, Side cutting pliers, Long nose pliers, magnetizer, Bits 25 mm - 30 pcs., Precision bits - 32 pcs., Sockets - 9 pcs.

| item   | specification                                     | package | min package |
|--------|---|---------|-------------|
| 117859 | Universal set with bits and sockets, 78 pcs., CrV | 12      | 6           |

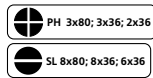


The set designed for mounting and dismounting of threaded connections of different type. The set includes 61 item. Bits and sockets are made of high quality CRV steel with 50-52 hardness. Two-component screwdriver with the bit holder Adapter; Bits 25 mm - 15 pcs.; Sockets - 6 pcs.

| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 117869 | Reverse screwdriver with a set of bits and sockets, 23 pcs., CrV | 24      | 6           |

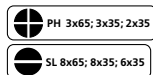


## Screwdriver percussive-rotating, 1/2", bits, plastic case



Designed for assembly and disassembly of threaded connections with considerable effort. Includes percussion bits of hardened chrome vanadium steel. Equipped with switcher for ratchet mechanism. Screwdriver has an ergonomic handle with rubberized protector. Plastic box with the place for a bit easier storage and transport set. The hardness of 45-52 HRC. Set: Screwdriver percussive-rotating, SL8X80, SL6X36, SL8X36, PH3X80, PH3X36, PH2X36, adapter, case.

| item   | specification      | package | min package |
|--------|--------------------|---------|-------------|
| 115619 | black handle Profi | 20      | 1           |



Designed for assembly and disassembly of threaded connections with considerable effort. Includes percussion bits of hardened chrome vanadium steel. Equipped with switcher for ratchet mechanism. Screwdriver has an ergonomic handle. Plastic box with the place for a bit easier storage and transport set.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 115759 | chrome handle | 25      | 1           |



Designed for assembly and disassembly of threaded connections with considerable effort. Includes percussion bits of hardened chrome vanadium steel. Equipped with switcher for ratchet mechanism. Screwdriver has an ergonomic handle with rubberized protector. Plastic box with the place for a bit easier storage and transport set.

| item   | specification                    | package | min package |
|--------|----------------------------------|---------|-------------|
| 115799 | handle with rubberized protector | 25      | 1           |

## Screwdrivers combined



Screwdriver designed for assembly and disassembly of threaded connections. Screwdriver has two-component anti-slip handle with ergonomic shape, fitted with a double-side shaft with the sizes PH2/SL6x38 made of chrome-vanadium steel.

| item   | specification   | package | min package |
|--------|---|---------|-------------|
| 122909 | SL6,0 x PH2, CrV, combined anti-slip two-component handle | 180     | 12          |

## Screwdriver Impact with placeholder for the wrench, plastic handle, CrV



Screwdriver Impact has a one-piece rod that passes through the entire screwdriver and a back plate made of steel that allows to strike with a hammer or mallet at disassembling the chronic, become attached or rusted screw connections. The rod has a hexagonal shape in cross-section, and at the junction of the handle is equipped with a hex nut, which allows using a wrench applied to the screwdriver extra effort when removing hard recoverable fasteners. The tip of the rod is magnetized. Rod material: stainless steel CrV. The hardness of the working part 56 ... 62HRC. Oil and petrol resistant plastic handle.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 191009 | SL5 x 75 mm   | 240     | 12          |
| 191019 | SL6 x 100 mm  | 240     | 12          |
| 191039 | SL6 x 150 mm  | 240     | 12          |
| 191059 | SL8 x 150 mm  | 144     | 12          |
| 191069 | SL8 x 200 mm  | 144     | 12          |
| 191079 | PH1 x 75 mm   | 240     | 12          |
| 191089 | PH2 x 100 mm  | 240     | 12          |
| 191099 | PH2 x 150 mm  | 240     | 12          |
| 191119 | PH3 x 150 mm  | 144     | 12          |

## Screwdriver Impact with placeholder for the wrench, plastic handle, CrV



Screwdriver Impact has a one-piece rod that passes through the entire screwdriver and a back plate made of steel that allows to strike with a hammer or mallet at disassembling the chronic, become attached or rusted screw connections. The rod has a hexagonal shape in cross-section, and at the junction of the handle is equipped with a hex nut, which allows using a wrench applied to the screwdriver extra effort when removing hard recoverable fasteners. The tip of the rod is magnetized. Rod material: stainless steel CrV. The hardness of the working part 56 ... 62HRC. Oil and petrol resistant plastic handle.

| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 191139 | 6 pcs., PH1x75, PH2x100, PH3x150, SL5x75, SL6x100, SL8x150 | 40      | 20          |

## Screwdriver Antislip, CrV, Anti-slip two-component handle



The rod is made of chrome-vanadium steel, fully hardened and has a Nickel-chrome plating. The tip is magnetized. Screwdrivers has two-component anti-slip handle ergonomic shape with a hole for hanging. The series consists of Anti-Slip profile screwdriver PH, SL different sizes. Screwdrivers Anti-Slip Series are designed for assembly and disassembly of threaded connections.

| item   | specification  | package | min package |
|--------|----------------|---------|-------------|
| 122029 | SL5,0 x 38 mm  | 300     | 12          |
| 122089 | SL3,0 x 100 mm | 300     | 12          |
| 122109 | SL4,0 x 100 mm | 300     | 12          |
| 122169 | SL5,0 x 100 mm | 240     | 12          |
| 122209 | SL6,0 x 100 mm | 180     | 12          |
| 122229 | SL6,0 x 150 mm | 180     | 15          |
| 122269 | SL8,0 x 150 mm | 120     | 12          |



|        |              |     |    |
|--------|--------------|-----|----|
| 122329 | PH1 x 38 mm  | 300 | 25 |
| 122349 | PH2 x 38 mm  | 300 | 12 |
| 122389 | PH0 x 100 mm | 300 | 25 |
| 122449 | PH1 x 100 mm | 240 | 12 |
| 122469 | PH1 x 150 mm | 240 | 12 |
| 122489 | PH2 x 100 mm | 180 | 12 |
| 122509 | PH2 x 150 mm | 180 | 12 |
| 122549 | PH3 x 150 mm | 120 | 12 |

### Screwdriver Fusion, CrV, three-component handle antislip



Screwdriver is made of stainless steel (CrV), heat treated. Ergonomic three-component handle provides a comfortable grip antislip and effective rotation screwdriver. Intended for assembling and disassembling of threaded connections

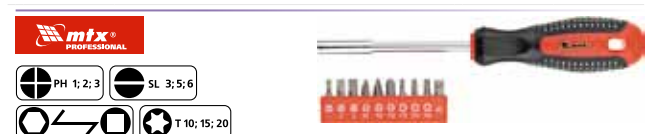
| item   | specification  | package | min package |
|--------|----------------|---------|-------------|
| 114029 | SL5,0 x 38 mm  | 360     | 12          |
| 114049 | SL6,0 x 38 mm  | 360     | 12          |
| 114069 | SL3,0 x 80 mm  | 480     | 12          |
| 114089 | SL3,0 x 100 mm | 480     | 12          |
| 114109 | SL3,0 x 200 mm | 480     | 12          |
| 114129 | SL4,0 x 100 mm | 480     | 12          |
| 114149 | SL4,0 x 150 mm | 480     | 12          |
| 114169 | SL4,0 x 200 mm | 480     | 12          |
| 114179 | SL5,0 x 75 mm  | 360     | 12          |
| 114199 | SL5,0 x 100 mm | 360     | 12          |
| 114209 | SL5,0 x 150 mm | 360     | 12          |
| 114239 | SL6,0 x 100 mm | 240     | 12          |
| 114249 | SL6,0 x 150 mm | 240     | 12          |
| 114189 | SL6,0 x 200 mm | 240     | 12          |
| 114259 | SL8,0 x 150 mm | 144     | 12          |
| 114269 | SL8,0 x 200 mm | 144     | 12          |
| 114279 | SL8,0 x 250 mm | 144     | 12          |
| 114299 | PH1 x 38 mm    | 360     | 12          |
| 114319 | PH2 x 38 mm    | 360     | 12          |
| 114329 | PH0 x 80 mm    | 480     | 12          |
| 114359 | PH0 x 100 mm   | 480     | 12          |
| 114369 | PH0 x 150 mm   | 480     | 12          |
| 114379 | PH0 x 200 mm   | 480     | 12          |
| 114409 | PH1 x 75 mm    | 360     | 12          |
| 114389 | PH1 x 100 mm   | 360     | 12          |
| 114399 | PH1 x 150 mm   | 360     | 12          |
| 114419 | PH2 x 100 mm   | 240     | 12          |
| 114439 | PH2 x 150 mm   | 240     | 12          |
| 114429 | PH2 x 200 mm   | 240     | 12          |
| 114459 | PH3 x 150 mm   | 144     | 12          |
| 114479 | PH3 x 200 mm   | 144     | 12          |
| 114499 | PH3 x 250 mm   | 144     | 12          |
| 114009 | PZ 0 x 75 mm   | 240     | 12          |
| 114019 | PZ 1 x 75 mm   | 144     | 12          |
| 114039 | PZ 2 x 100 mm  | 144     | 12          |
| 114059 | PZ 3 x 150 mm  | 72      | 12          |

### Screwdriver combined Fusion, CrV, three-component handle antislip



Screwdriver designed for assembly and disassembly of threaded connections. Double-side screwdriver has a rod sizes SL 6/PH 2. The rod is made of chrome-vanadium steel. The hardness of the working part is 50-54 HRC.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 114519 | SL6,0/Ph2 mm  | 120     | 12          |



Screwdriver designed for assembly and disassembly of threaded connections. The set includes a screwdriver bit made of chrome-vanadium steel sizes SL3; SL5; SL6; PH1; PH2; PH3; T10; T15; T20. Adapter 1/4". Ergonomic three-component handle anti slip with improved design provides a comfortable grip and effective rotation screwdriver.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 114539 | 10 pcs.       | 120     | 12          |



Set is intended for assembly and disassembly of threaded connections in the automotive industry, the furniture industry, as well as in everyday life. Screwdriver rods are made of chrome-vanadium steel. The hardness of the working part of the 50-54HRC. SL 3.0SL 5.0SL 6.0PH 0PH 1PH 2

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 133519 | 6 pcs.        | 40      | 1           |

### Screwdriver set Fusion, CrV, hanging case



Screwdriver rods are made of chrome-vanadium steel. The hardness of the working part of 50-54 HRC. Ergonomic three-component handle provides a comfortable grip antislip and efficient rotation. Set contents: Screwdriver SL 8 x 150, Screwdriver SL 6 x 100, Screwdriver SL 5 x 75, Screwdriver SL 6 x 38, Screwdriver PH 3 x 150, Screwdriver PH 2 x 100, Screwdriver PH 1 x 75, Screwdriver PH 2 x 38, Precision screwdriver Torx 5 x 40, Precision screwdriver Torx 6 x 40, Precision screwdriver Torx 7 x 40, Precision screwdriver Torx 8 x 40, Precision screwdriver Torx 9 x 40, Precision screwdriver Torx 10 x 40, Precision screwdriver SL 2.5 x 40, Precision screwdriver SL 3,0 x 40, Precision screwdriver PH 0 x 40, Precision screwdriver PH 00 x 40.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 114529 | 18 pcs.       | 12      | 6           |

### Screwdriver S2, two-component handle



Screwdriver is made of alloy tool hardened steel HRC S2. Magnetized tip. Hardness of working part is 58-62 HRC. Two-component ergonomic handle made by solid casting to increase the bond strength of the handle with the working part. The series consists of a screwdriver Profi different sizes of PH, SL, PZ. Screwdrivers Profi series are designed for assembly and disassembly of threaded connections.

| item   | specification  | package | min package |
|--------|----------------|---------|-------------|
| 118069 | SL3,0 x 100 mm | 120     | 12          |
| 118109 | SL4,0 x 100 mm | 120     | 12          |
| 118149 | SL5,5 x 100 mm | 120     | 12          |
| 118169 | SL5,5 x 125 mm | 120     | 12          |
| 118209 | SL6,5 x 100 mm | 120     | 12          |



|        |                |     |    |
|--------|----------------|-----|----|
| 118249 | SL6,5 x 150 mm | 120 | 12 |
| 118309 | SL8,0 x 150 mm | 60  | 12 |
| 118369 | PH0 x 75 mm    | 120 | 12 |
| 118389 | PH0 x 100 mm   | 120 | 12 |
| 118409 | PH1 x 75 mm    | 120 | 12 |
| 118429 | PH1 x 100 mm   | 120 | 12 |
| 118449 | PH2 x 100 mm   | 120 | 12 |
| 118469 | PH2 x 150 mm   | 120 | 12 |
| 118489 | PH2 x 200 mm   | 120 | 12 |
| 118529 | PH3 x 150 mm   | 60  | 12 |
| 118689 | PZ1 x 75 mm    | 120 | 12 |
| 118709 | PZ2 x 100 mm   | 120 | 12 |

## Screwdriver sets



SL 3.0x80; 5.5x125; 6.5x150

PH 0x75; 1x75; 2x100



Rod is made of alloy tool steel and hardened S2. Magnetized tip. Hardness of tread 58-62 HRC. Two-component handle ergonomic shape with a hole for suspension are made by solid casting to increase the bond strength to handle the working part. The set includes a screwdriver with profiles SL 2 x 6.5 x 150 mm, SL 1.0 x 5.5 x 125 mm, SL 1.0 x 4.0 x 100 mm, PH 2 x 100 mm, PH 1 x 75 mm, PH 0 x 80 mm. Screwdriver Set is designed for assembly and disassembly of threaded connections.

| item   | specification                    | package | min package |
|--------|----------------------------------|---------|-------------|
| 133039 | 6 pcs., S2, two-component handle | 20      | 1           |

## Precision screwdriver set

### Precision screwdriver set



SL2 PH 00; PH 0 T 4; T 5; T 6



Screwdrivers are designed to perform precision work on repair and maintenance watches, cell phones, pagers, laptops and other electronic equipment. Rod of the screwdrivers made of stainless steel (CrV), hardness 47 ... 52HRC.

| item   | specification   | package | min package |
|--------|---|---------|-------------|
| 133619 | Precision screwdriver set Fusion, two-component, 6 pcs., plastic case | 48      | 6           |



T 5; T 6

PH 000; 00; 0 SL 2; 2.5; 3



Screwdrivers are designed to perform precision work on repair and maintenance watches, cell phones, pagers, laptops and other electronic equipment. Rod of the screwdrivers made of stainless steel (CrV), hardness 47 ... 52HRC.

| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 115889 | precision screwdriver set for multi purpose work, 8 pcs. TX 5, 6; SL2.0, 2.5, 3; PH 000, 00, 0 | 48      | 6           |



SL 2 T 4; T 5; T 6; T 7

PH 000; PH 00; PH 0



Screwdrivers are designed to perform precision work on repair and maintenance watches, cell phones, pagers, laptops and other electronic equipment. Rod of the screwdrivers made of stainless steel (CrV), hardness 47 ... 52HRC.

| item   | specification   | package | min package |
|--------|---|---------|-------------|
| 115899 | precision screwdriver set for work cell phones set, 8 pcs. TX 4, 5, 6, 7; PH 000, 00, 0; SL 2.0 | 48      | 6           |



SL 1.5; 2; 3

PH 000; PH 00; PH 0

T 4; T 5; T 6; T 7



Screwdrivers are designed to perform precision work on repair and maintenance watches, cell phones, pagers, laptops and other electronic equipment. Rod of the screwdrivers made of stainless steel (CrV), hardness 47 ... 52HRC.

| item   | specification           | package | min package |
|--------|-------------------------|---------|-------------|
| 115829 | 11 pcs., plastic handle | 96      | 12          |



SL 1; SL 1.5; SL 2; SL 2.5; SL 3; SL 4

PH 000; PH 00; PH 0; PH 1

T 4; T 5; T 6 TT 8; TT 10

TR 1.3 U 2.6 Y 0

φ 1 TA 3



Screwdrivers are designed to perform precision work on repair and maintenance watches, cell phones, pagers, laptops and other electronic equipment. Rod of the screwdrivers made of stainless steel (CrV), hardness 47 ... 52HRC.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 115849 | 22 pcs.       | 96      | 12          |

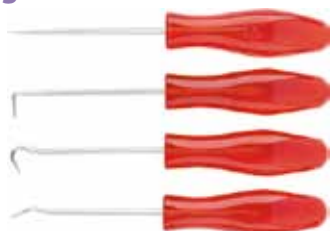
## Household awl



Designed for making holes in different household materials. Rod is made of 45 steel and coated in chrome, handle material is acetate

| item   | specification   | package | min package |
|--------|-----------------|---------|-------------|
| 117589 | square 6x100 mm | 240     | 12          |
| 117599 | round 6x100 mm  | 240     | 12          |
| 117609 | round 4x75 mm   | 240     | 12          |

### Set of hooks for fitting work

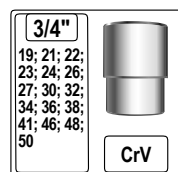


The set, which consists of hooks and awl MTX, is perfectly suitable for marking metal parts, for work with sealing washers, rings, collars etc., and for piercing holes. Set is irreplaceable when it comes to repairs and car or equipment service, and also fitting work. Set components: Full hook, angle hook, hook, awl.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 117619 | 4 pcs.        |         |             |

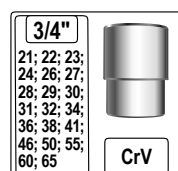
### Tool set

#### Tools set with big-size sockets



A set of sockets for trucks and buses. Includes: Ratchet Wrench for square 3/4", tap-wrench T-shaped for square, 3/4", extension 100 and 200 mm, 6-angle sockets, 19, 21, 22, 23, 24, 26, 27, 30, 32, 34, 36, 38, 41, 46, 48, 50 mm. The tools are made of chrome-vanadium steel with polished chrome finish and packed in a metal case.

| item   | specification                              | package | min package |
|--------|--|---------|-------------|
| 135369 | 20 pcs, 3/4", sockets 19-50 mm, metal case | 2       | 1           |



A set of sockets for trucks and buses. Includes: Ratchet Wrench for the square 3/4", cardan 3/4", adapter 1" - 3/4" tap-wrench T-shaped for square 3/4", extension 200 mm, 6-angle sockets March 4: 21, 22, 23, 24, 26, 27, 28, 29, 30, 31, 32, 34, 36, 38, 41, 46, 50, 6, 1 hex sockets 55, 60, 65 mm. The tools are made of chrome-vanadium steel with polished chrome finish and packed in a plastic case.

| item   | specification                      | package | min package |
|--------|------------------------------------|---------|-------------|
| 135399 | 26 pcs, 3/4", 1", sockets 21-65 mm | 1       | 1           |

### Wrenches

#### Wrenches-ratchet with switcher



The wrench is made of chrome-vanadium steel. Has a corrosion-resistant coating of chromium. Ratchet with switch ensures smooth running and the ability to quickly change the direction of rotation of the key. Square drive with ball detent securely holds the removable sockets of different sizes, extension bars, adapters. The key is equipped with a quick release mechanism nozzles. The key has an ergonomic handle with friction ribs, prevents slipping. Designed for quick installation of threaded connections.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 140109 | 1/4"          | 100     | 5           |
| 140139 | 3/8"          | 50      | 1           |



The wrench is made of chrome-vanadium steel. Has a corrosion-resistant coating of chromium. Ratchet with switch ensures smooth running and the ability to quickly change the direction of rotation of the key. Square drive with ball detent securely holds the removable sockets of different sizes, extension bars, adapters. The wrench is equipped with a quick release mechanism nozzles. The key has an ergonomic handle with friction ribs, prevents slipping. Designed for quick installation of threaded connections.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 140159 | 1/2"          | 40      | 1           |

### Tool set

#### Tool set domestic



Tool set of 22 items. Includes side-cutters, pliers, wrenches, screwdriver ratchet, adapter, eight hex-keys, bits PH 0, PH 1, PH 2, SL 4, SL 5, SL 6, T 10, T1 5, T 20.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 135619 | 22 pcs.       | 10      | 1           |



Tool set of 12 items. Includes long nose pliers, voltage tester, pliers, locksmith hammer 200 g, screwdrivers SL 6 x 150 mm, PH 2 x 150 mm, precision screwdrivers 2 x 50 mm, PH 00 x 50 mm; cutting-pliers mini, wrench, knife technical 18mm tape 3m x 13 mm.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 135629 | 12 pcs.       | 10      | 1           |



### Tire-wrench L-shaped telescopic



Tire-wrench telescopic L-shaped made of chrome-vanadium steel and has a Nickel-chrome plating. Telescopic handle allows you to change the length of the lever (300-450 mm) and adjust the force on the loosening or tightening of bolted joints. Removable end cap with 6-angle profile has two sizes: 17 and 19 mm, mounted on the connecting square 1/2 and ball retainer. Key is used for mounting and dismounting of wheel meters. Hardness working parts of the key 41 HRC.

| item          | specification      | package | min package |
|---------------|--------------------|---------|-------------|
| <b>142379</b> | 1/2", 17 mm, 19 mm | 20      | 20          |

### Wrench-ring ratchet, CrV



The wrench is made of chrome-vanadium steel. The hardness of the working part of the wrench 45 HRC. The key has a corrosion-resistant coating of chromium. Profile has 12-angles, which increases the area of contact between the working surface and reduces the risk of deformation of the of fastener installation. The angle of inclination relative to the plane of the annular throat 15 degrees key makes installation easier. Wrench combined with an open end wrench and a ring for mounting dismounting of threaded joints.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>145019</b> | 8 x 9 mm      | 150     | 5           |
| <b>145039</b> | 12 x 13 mm    | 100     | 10          |
| <b>145049</b> | 14 x 15 mm    | 100     | 5           |
| <b>145059</b> | 16 x 17 mm    | 80      | 8           |
| <b>145079</b> | 18 x 19 mm    | 50      | 5           |

### Wrenches ratchet Combined, CrV



The wrench is made of stainless steel 40 CrV. Nickel-chrome has a corrosion-resistant coating. Hardness ratchet 58 HRC. Profile of the ring-wrench 12-angle that increases the area of contact between the working surface and reduces the risk of deformation of the of fastener installation. In the ring has a special key profile ratchet with 72 teeth, which ensures smooth running tool, quick and easy installation of threaded connections. The minimum angle of rotation of the key 5 degrees. Combination wrench with ratchet for tightening or loosening effective bolted joints.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>148019</b> | 8 mm          | 200     | 5           |
| <b>148029</b> | 9 mm          | 200     | 5           |
| <b>148039</b> | 10 mm         | 250     | 5           |
| <b>148049</b> | 11 mm         | 250     | 5           |
| <b>148059</b> | 12 mm         | 200     | 5           |
| <b>148069</b> | 13 mm         | 200     | 10          |
| <b>148079</b> | 14 mm         | 100     | 10          |
| <b>148089</b> | 15 mm         | 100     | 5           |
| <b>148099</b> | 16 mm         | 100     | 5           |
| <b>148109</b> | 17 mm         | 100     | 5           |
| <b>148119</b> | 18 mm         | 100     | 5           |
| <b>148129</b> | 19 mm         | 100     | 10          |

### Wrenches combined ratchet, CrV, hinged



The wrench is made of stainless steel 40CrV. Nickel-chrome has a corrosion-resistant coating. Hardness ratchet 58 HRC. Profile of the ring-wrench is 12-angle that increases the area of contact between the working surface and reduces the risk of deformation of the faces of fastener installation. The presence of the hinge allows you to change the angle of inclination with respect to its key working parts of the union (0-180 degrees). In the ring has a special key profile ratchet with 72 teeth, which ensures smooth running tool, quick and easy installation of threaded connections. The minimum angle of rotation of the key 5 degrees. Combination wrench and ratchet joint for loosening or tightening the effective bolting in difficult places.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>148609</b> | 8 mm          | 200     | 5           |
| <b>148629</b> | 10 mm         | 200     | 10          |
| <b>148649</b> | 12 mm         | 200     | 5           |
| <b>148659</b> | 13 mm         | 100     | 10          |
| <b>148669</b> | 14 mm         | 100     | 10          |
| <b>148699</b> | 17 mm         | 100     | 5           |
| <b>148719</b> | 19 mm         | 100     | 5           |

### Adjustable wrench



Wrench is made of carbon steel and subjected to a selective quenching. For breeding nose on exactly predetermined distance to the fixed jaw applied grading, and movable - point risk. Built into the body of wrench screw mechanism is protected from corrosion. Open-end wrench for assembly and disassembly of threaded connections with a wide range of sizes of fasteners.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>155019</b> | 150 mm        | 48      | 6           |
| <b>155039</b> | 200 mm        | 36      | 6           |
| <b>155059</b> | 250 mm        | 24      | 6           |
| <b>155079</b> | 300 mm        | 24      | 6           |
| <b>155099</b> | 375 mm        | 12      | 6           |
| <b>155119</b> | 450 mm        | 10      | 1           |



Adjustable wrench with adjustable jaws are designed to work with fasteners that have different shapes and sizes. Made of high-quality chrome steel. Has a movable jaw, serrated on one side, can thereby be used as a pipe wrench. For breeding nose on exactly specified space on the fixed jaw applied grading, and on the movable - point risk. Wrench grip covered with rubber, which prevents slipping grip at high loads and makes the work more comfortable with the key.

| item          | specification                              | package | min package |
|---------------|--|---------|-------------|
| <b>155169</b> | 150 mm, movable nose, two-component handle | 48      | 6           |
| <b>155179</b> | 200 mm, movable nose, two-component handle | 36      | 6           |
| <b>155189</b> | 250 mm, movable nose, two-component handle | 24      | 6           |

### Movable pincers



Made of carbon steel. Have a sharp notch on the jaws, providing capture of items that have no special working surfaces. Designed to capture a variety of shapes and sizes of objects can be used as a pipe or wrench.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>157079</b> | 165 mm        | 60      | 6           |
| <b>157089</b> | 250 mm        | 60      | 6           |
| <b>157099</b> | 300 mm        | 36      | 6           |

## Tube spanner wrench, S-type



S type wrench is designed for work in hard to reach places and for gripping parts with complex shape. Wrench is made of high-quality chrome-vanadium steel. Has a powder anticorrosion coating. Progressive tooth shape with the incline against the rotating way provides autoblocking grip of the parts. Adjusting nut is supplied with a locking ring

| item          | specification             | package | min package |
|---------------|---------------------------|---------|-------------|
| <b>156309</b> | №0, 0,5", CrV, type - "S" | 54      | 1           |
| <b>156319</b> | №1, 1", CrV, type - "S"   | 24      | 1           |
| <b>156329</b> | №2, 1,5", CrV, type - "S" | 24      | 1           |
| <b>156339</b> | №3, 2", CrV, type - "S"   | 12      | 1           |

## Tube spanner wrench, L-type



L type wrench - wrench with the strengthened design, used at increased pressures. Designed for gripping and rotating tubes and connection parts of the pipes. Wrench is made of high-quality chrome-vanadium steel. Has a powder anticorrosion coating. Progressive tooth shape with the incline against the rotating way provides autoblocking grip of the parts. Adjusting nut is supplied with a locking ring

| item          | specification             | package | min package |
|---------------|---------------------------|---------|-------------|
| <b>156349</b> | №0, 3/4", CrV, type - "L" | 36      | 1           |
| <b>156359</b> | №1, 1", CrV, type - "L"   | 36      | 1           |
| <b>156369</b> | №2, 1,5", CrV, type - "L" | 24      | 1           |
| <b>156379</b> | №3, 2", CrV, type - "L"   | 12      | 1           |
| <b>156389</b> | №4, 3", CrV, type - "L"   | 6       | 1           |

## Needle file set

### Needle file set diamond



Needle files with a dusting of diamond grit used for small mechanical works with a particularly hard materials: metal, ceramic tiles, glass and others. The length of the working surface of the needle files - 50 mm. The set art. 158309 included Needle with a triangular, rectangular, round, square, semi-circular cross-section. The set art. 158319 includes a triangular Needle (2 pcs.), Rectangular, round, square and semi-circular cross-section. The kit art. 158329 Needle include triangular (3 types), rectangular (2 species), round, square, oval (2 species) and a semi-circular cross-section. Products have comfortable plastic handle.



| item          | specification            | package | min package |
|---------------|--------------------------|---------|-------------|
| <b>158309</b> | 5 pcs., 140 x 50 x 3 mm  | 200     | 20          |
| <b>158319</b> | 6 pcs., 140 x 50 x 3 mm  | 200     | 20          |
| <b>158329</b> | 10 pcs., 140 x 50 x 3 mm | 200     | 20          |



Needle files with a dusting of diamond grit used for small mechanical works with a particularly hard materials: metal, ceramic tiles, glass and others. The length of the working surface of the needle files - 70 mm. The set art. 158339 Needle includes a triangular, rectangular, round, square, semi-circular cross-section. The set art. 158349 Needle include triangular (2 pcs.), Rectangular, round, square and semi-circular cross-section. The set art. 158359 Needle include triangular (3 types), rectangular (2 species), round, square, oval (2 species) and a semi-circular cross-section. Products have comfortable plastic handle.



| item          | specification            | package | min package |
|---------------|--------------------------|---------|-------------|
| <b>158339</b> | 5 pcs., 140 x 70 x 3 mm  | 200     | 20          |
| <b>158349</b> | 6 pcs., 140 x 70 x 3 mm  | 200     | 20          |
| <b>158359</b> | 10 pcs., 140 x 70 x 3 mm | 200     | 20          |



Needle files are made of high carbon Y12 steel rod, have 60 HRC hardness and used for performing small fitting operations. The set includes needle files of different profile with double knurling: flat blunt-nosed needle file, flat sharp-nosed needle file, round needle file, semicircular needle file, hacking needle file, square needle file, three-square needle file, three-square sharp-nosed needle file, oval needle file. Needle file handles are made of plastic. Needle files are packed in the PVC cover.

| item         | specification                         | package | min package |
|--------------|---------------------------------------|---------|-------------|
| <b>15816</b> | 160 x 4 mm, 6 pcs., rubbered handles  | 100     | 25          |
| <b>15818</b> | 160 x 4 mm, 10 pcs., rubbered handles | 100     | 25          |



Needle files are made of high carbon Y12 steel rod, have 60 HRC hardness and used for performing small fitting operations. The set includes needle files of different profile with double knurling: flat blunt-nosed needle file, flat sharp-nosed needle file, round needle file, semicircular needle file, hacking needle file, square needle file, three-square needle file, three-square sharp-nosed needle file, oval needle file. Needle file handles are made of plastic. Needle files are packed in the PVC cover.

| item         | specification                        | package | min package |
|--------------|--------------------------------------|---------|-------------|
| <b>15822</b> | 180 x 5 mm, 6 pcs., plastic handles  | 100     | 10          |
| <b>15824</b> | 180 x 5 mm, 10 pcs., plastic handles | 100     | 25          |

## Files

### Files with carbide coating



File is designed for high-quality processing of flat especially hard surfaces. File is made of carbon steel and has a special carbide plating. Supplied with an ergonomic polypropylene handle covered with soft elastomer.

| item         | specification | package | min package |
|--------------|---------------|---------|-------------|
| <b>16502</b> | 200 mm, flat  | 50      | 1           |



Files for machining of flat surfaces and round holes in especially hard materials. Has a double notch and carbide deposition. Hardened. The handle is made of polypropylene, coated with a soft elastomer to provide a comfortable grip and slip protection has an ergonomic shape.

| item         | specification     | package | min package |
|--------------|-------------------|---------|-------------|
| <b>16504</b> | 150 x 4 mm, round | 50      | 10          |
| <b>16506</b> | 150 x 5 mm, round | 50      | 10          |



Files for machining of flat surfaces and round holes in especially hard materials. File is made of carbon steel and has a special carbide plating. Supplied with an ergonomic polypropylene handle covered with soft elastomer.

| item         | specification        | package | min package |
|--------------|----------------------|---------|-------------|
| <b>16508</b> | 150 mm, semicircular | 50      | 1           |



## Drill chuck

### Keyless drill chuck



Keyless chuck with function autolock. Jaws fixed ratchet mechanism that allows you to quickly and securely clamped any tooling, including for impact drilling. Chuck is particularly suitable for the mounting, and the impact power. The new and improved body.

| item          | specification                   | package | min package |
|---------------|---------------------------------|---------|-------------|
| <b>168059</b> | 1/2" – 20UNF, 1–10 mm, autolock | 50      | 1           |



Keyless chuck with function lock. Allows you to secure the mounting chuck jaws, which is necessary for impact drilling. Locking occurs by the locking mechanism. Used to secure the drill in power tool.

| item          | specification               | package | min package |
|---------------|-----------------------------|---------|-------------|
| <b>168079</b> | 1/2" – 20UNF, 2–13 mm, lock | 50      | 1           |



Keyless mechanism provides quick setup and hold drills. Used to secure the drill in power tool. Hardness 56 HRC cams

| item          | specification         | package | min package |
|---------------|-----------------------|---------|-------------|
| <b>168089</b> | 1/2" – 20UNF, 1–10 mm | 50      | 1           |
| <b>168109</b> | 3/8" – 24UNF, 1–10 mm | 50      | 1           |
| <b>168139</b> | M12 x 1,25, 1–10 mm   | 50      | 1           |



Keyless mechanism provides quick setup and hold drills. Used to secure the drill in power tool. Hardness 56 HRC cams

| item          | specification         | package | min package |
|---------------|-----------------------|---------|-------------|
| <b>168099</b> | 1/2" – 20UNF, 2–13 mm | 50      | 1           |
| <b>168129</b> | 3/8" – 24UNF, 2–13 mm | 50      | 1           |
| <b>168149</b> | M12 x 1,25, 2–13 mm   | 50      | 1           |

### Chucks with key



Chuck for drill with key. Designed for installation in the drills. Removal and installation of the tool is carried out using a chuck key. Hardness 56HRC of jaws

| item          | specification            | package | min package |
|---------------|--------------------------|---------|-------------|
| <b>168159</b> | 1/2" – 20 UNF, 1,5–10 mm | 100     | 1           |
| <b>168179</b> | 1/2" – 20 UNF, 1,5–13 mm | 50      | 1           |
| <b>168189</b> | 3/8" – 24 UNF, 1,5–13 mm | 50      | 1           |
| <b>168199</b> | B16, 3–16 mm             | 30      | 1           |
| <b>168209</b> | B18, 3–16 mm             | 30      | 1           |
| <b>168229</b> | B12, 1,5–13 mm           | 50      | 1           |
| <b>168259</b> | M12x1,25, 1,5–13 mm      | 50      | 1           |

## Keys for chucks



T-wrench is designed for installation drill in the key chuck. Plastic coating allows not to scroll key in his hand.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>168859</b> | 10 mm         | 100     | 20          |
| <b>168869</b> | 13 mm         | 100     | 20          |
| <b>168899</b> | 16 mm         | 80      | 16          |

## Keys for drill chucks



T-wrench is designed for installation drill in the key chuck. Oxidized coating to protect against corrosion.

| item           | specification   | package | min package |
|----------------|-----------------|---------|-------------|
| <b>1689059</b> | 10 mm, T-shaped | 100     | 20          |
| <b>1689559</b> | 13 mm, T-shaped | 100     | 20          |

## Pliers

### Pliers polished, plastic handle, Econom line

Pliers Econom series is designed for a wide range of installation and repair work. The tool is made of carbon steel C45, handles are made of impact resistant plastic. Cutting edge hardness jaws - 51 HRC, clamping surfaces - 40 HRC



| item          | specification  | package | min package |
|---------------|----------------|---------|-------------|
| <b>169929</b> | Pliers, 160 mm | 60      | 6           |
| <b>169939</b> | Pliers, 180 mm | 60      | 6           |
| <b>169949</b> | Pliers, 200 mm | 60      | 6           |



| item          | specification            | package | min package |
|---------------|--------------------------|---------|-------------|
| <b>171929</b> | Long Nose Pliers, 160 mm | 60      | 6           |
| <b>171939</b> | Long Nose Pliers, 180 mm | 60      | 6           |
| <b>171949</b> | Long Nose Pliers, 200 mm | 60      | 6           |



| item          | specification                   | package | min package |
|---------------|---------------------------------|---------|-------------|
| <b>174949</b> | Long Nose Pliers Curved, 160 mm | 60      | 6           |
| <b>174959</b> | Long Nose Pliers Curved, 180 mm | 60      | 6           |
| <b>174969</b> | Long Nose Pliers Curved, 200 mm | 60      | 6           |



Pliers Econom series is designed for a wide range of installation and repair work. The tool is made of carbon steel C45, handles are made of impact resistant plastic. The hardness of the cutting edges of jaws - 51 HRC

| item          | specification        | package | min package |
|---------------|----------------------|---------|-------------|
| <b>175949</b> | Side-cutters, 160 mm | 60      | 6           |
| <b>175959</b> | Side-cutters, 180 mm | 60      | 6           |
| <b>175969</b> | Side-cutters, 200 mm | 60      | 6           |

## Polished pliers, plastic handles, Standard series



Plier tool of the Standart series designed for the wide range of the mounting and repair operations. Tools is made of carbon steel C45, handles are made of shockproof plastic. Hardness of the jaws cutting edges is 51 HRC, clamping surfaces - 40 HRC

| Item          | specification  | package | min. package |
|---------------|----------------|---------|--------------|
| <b>169699</b> | Pliers, 160 mm | 60      | 6            |
| <b>169709</b> | Pliers, 180 mm | 60      | 6            |
| <b>169749</b> | Pliers, 200 mm | 60      | 6            |



| Item          | specification            | package | min. package |
|---------------|--------------------------|---------|--------------|
| <b>171509</b> | Long nose pliers, 160 mm | 60      | 6            |
| <b>171529</b> | Long nose pliers, 180 mm | 60      | 6            |
| <b>171549</b> | Long nose pliers, 200 mm | 60      | 6            |



Plier tool of the Standart series is designed for the wide range of mounting and repair operations. Tools is made of carbon steel C45, handles are made of shockproof plastic. Hardness of the jaws cutting edges is 51 HRC

| Item          | specification               | package | min. package |
|---------------|-----------------------------|---------|--------------|
| <b>175659</b> | Side cutting pliers, 160 mm | 60      | 6            |
| <b>175679</b> | Side cutting pliers, 180 mm | 60      | 6            |
| <b>175699</b> | Side cutting pliers, 200 mm | 60      | 6            |

## Nickel pliers, two-component handles, NICKEL series



Plier tool of the NICKEL series is designed for the wide range of installation and repair operations. Tool has nickel coating, which increases wear resistance of the working surfaces and prevents appearance of corrosion. Working edges are hardened by high frequency current and have 53 HRC hardness. Two-component handles of ergonomic shape are convenient at work.

| Item          | specification  | package | min. package |
|---------------|----------------|---------|--------------|
| <b>169029</b> | Pliers, 160 mm | 60      | 6            |
| <b>169049</b> | Pliers, 180 mm | 60      | 6            |
| <b>169069</b> | Pliers, 200 mm | 60      | 6            |



| Item          | specification            | package | min. package |
|---------------|--------------------------|---------|--------------|
| <b>171649</b> | Long nose pliers, 160 mm | 60      | 6            |
| <b>171669</b> | Long nose pliers, 180 mm | 60      | 6            |
| <b>171689</b> | Long nose pliers, 200 mm | 60      | 6            |



| Item          | specification                    | package | min. package |
|---------------|----------------------------------|---------|--------------|
| <b>174209</b> | Long nose pliers, curved, 160 mm | 60      | 6            |
| <b>174229</b> | Long nose pliers, curved, 180 mm | 60      | 6            |
| <b>174249</b> | Long nose pliers, curved, 200 mm | 60      | 6            |



| Item          | specification               | package | min. package |
|---------------|-----------------------------|---------|--------------|
| <b>175209</b> | Side cutting pliers, 160 mm | 60      | 6            |
| <b>175229</b> | Side cutting pliers, 180 mm | 60      | 6            |
| <b>175249</b> | Side cutting pliers, 200 mm | 60      | 6            |

## Nickel pliers, two-component handles, Black Nickel series

Plier tool of the Black Nickel series is designed for the wide range of mounting and repair operations. Tool has black nickel coating, which increases wear resistance of the working surfaces and prevents appearance of corrosion. Working edges of the jaws have 53 HRC hardness. The tool has two-component ergonomic handles.



| Item          | specification  | package | min. package |
|---------------|----------------|---------|--------------|
| <b>169789</b> | Pliers, 160 mm | 60      | 6            |
| <b>169809</b> | Pliers, 180 mm | 60      | 6            |
| <b>169839</b> | Pliers, 200 mm | 60      | 6            |



| Item          | specification            | package | min. package |
|---------------|--------------------------|---------|--------------|
| <b>171589</b> | Long nose pliers, 160 mm | 60      | 6            |
| <b>171609</b> | Long nose pliers, 180 mm | 60      | 6            |
| <b>171629</b> | Long nose pliers, 200 mm | 60      | 6            |



| Item          | specification                    | package | min. package |
|---------------|----------------------------------|---------|--------------|
| <b>174589</b> | Long nose pliers, curved, 160 mm | 60      | 6            |
| <b>174609</b> | Long nose pliers, curved, 180 mm | 60      | 6            |
| <b>174629</b> | Long nose pliers, curved, 200 mm | 60      | 6            |



| Item          | specification               | package | min. package |
|---------------|-----------------------------|---------|--------------|
| <b>175729</b> | Side cutting pliers, 160 mm | 60      | 6            |
| <b>175749</b> | Side cutting pliers, 180 mm | 60      | 6            |
| <b>175769</b> | Side cutting pliers, 200 mm | 60      | 6            |

## Nickel pliers, two-component handles, GRAND series

Plier tool of the Grand series is designed for the wide range of mounting and repair operations. Tool has nickel coating, which increases wear resistance of the working surfaces and prevents appearance of the corrosion. Hardness of the working cutting edges is 53 HRC



| Item          | specification  | package | min. package |
|---------------|----------------|---------|--------------|
| <b>169089</b> | Pliers, 160 mm | 60      | 6            |
| <b>169099</b> | Pliers, 180 mm | 60      | 1            |
| <b>169119</b> | Pliers, 200 mm | 60      | 1            |



| Item          | specification            | package | min. package |
|---------------|--------------------------|---------|--------------|
| <b>171369</b> | Long nose pliers, 160 mm | 60      | 6            |
| <b>171389</b> | Long nose pliers, 200 mm | 60      | 6            |





| Item          | specification               | package | min. package |
|---------------|-----------------------------|---------|--------------|
| <b>175269</b> | Side cutting pliers, 160 mm | 60      | 6            |
| <b>175289</b> | Side cutting pliers, 190 mm | 60      | 6            |

### Pliers, double link mechanism, CrV, Energies series

Plier tool with double link mechanism of the Energies series. Tool is designed for the wide range of the mounting and repair operations. The usage of double link mechanism increase the effectiveness of the tool. Working edges are hardened by high frequency currents. Hardness of the cutting edges is 53 HRC, clamping surfaces have 45,5 HRC. Pliers are made of chrome-vanadium.



| Item         | specification  | package | min. package |
|--------------|----------------|---------|--------------|
| <b>16927</b> | Pliers, 180 mm | 60      | 6            |
| <b>16929</b> | Pliers, 200 mm | 60      | 6            |



| Item         | specification            | package | min. package |
|--------------|--------------------------|---------|--------------|
| <b>17125</b> | Long nose pliers, 160 mm | 60      | 6            |
| <b>17128</b> | Long nose pliers, 200 mm | 60      | 6            |



| Item         | specification               | package | min. package |
|--------------|-----------------------------|---------|--------------|
| <b>17513</b> | Side cutting pliers, 170 mm | 60      | 6            |
| <b>17515</b> | Side cutting pliers, 190 mm | 60      | 6            |

### Nickel pliers, auto release, two-component handles, MINI series

Plier tool of the Mini series is designed for the wide range of the mounting and repair operations. Tool has nickel coating, which prevents appearance of corrosion. Working edges of the jaws have 45,5 HRC hardness. Jaws autorelease and two-component ergonomic handles make the work easier.



| Item          | specification                      | package | min. package |
|---------------|------------------------------------|---------|--------------|
| <b>178109</b> | Long nose pliers, straight, 130 mm | 120     | 6            |



| Item          | specification                    | package | min. package |
|---------------|----------------------------------|---------|--------------|
| <b>178129</b> | Long nose pliers, curved, 130 mm | 120     | 6            |



| Item          | specification               | package | min. package |
|---------------|-----------------------------|---------|--------------|
| <b>178149</b> | Side cutting pliers, 130 mm | 120     | 6            |



| Item          | specification  | package | min. package |
|---------------|----------------|---------|--------------|
| <b>178169</b> | Pliers, 130 mm | 120     | 6            |

### Bench vices

#### Multifunctional table vices, changeable nozzle for drill, swivel mechanism



Designed for fixation of different details with small sizes and their handling. Mostly used for fine mechanical and joinery work (jewelry, radio and other). Vices are equipped with fixing clamp, which allows to fix the vice on any surfaces with width not more than 2" (50 mm); swivel mechanism, that allows to rotate and fix working part of the tool under needed incline angle with 360 degrees amplitude; rubber pads on working clamping jaws are for work with delicate and fragile material parts; changeable nozzle - gripping clamp for drill fixation. Vice height is 160 mm, jaws width - 70 mm, maximum distance between moved apart jaws is 50 mm.

| Item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>185089</b> | 70 mm         | 20      | 1            |

#### Table vices, rubber vacuum cup, swivel mechanism



Designed for fixation of different details of small sizes and their handling. Mostly used for fine mechanical and joinery work (jewelry, radio and other). Vices are equipped with rubber vacuum cup in bottom base part, which allows to fix vices on any flat surfaces; swivel mechanism, that allows to rotate and fix working part of the tool under needed incline angle with 360 degrees amplitude; rubber pads on working gripper jaws are for work with delicate and fragile material parts. Vice height is 160 mm, jaws width - 70 mm, maximum distance between moved apart jaws is 50 mm.

| Item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>185069</b> | 70 mm         | 12      | 1            |

### Pipe benders



Hydraulic pipe bender is designed for bending steel pipes in cold conditions. Changeable shoes allow to bend pipes with maximum angle of 90 degrees and with little physical effort. Has a single contour hydraulic system with spring return, which gives a possibility to control movement of the piston, what gives easy and precise pipe bending and fast piston return. Allows to quickly bend pipes on worksites - construction sites, in gas and heating systems, car services, boiler rooms, factory territories.

| Item           | specification                                     | package | min. package |
|----------------|---|---------|--------------|
| <b>1813359</b> | 1/2" - 2", 12 t, hydraulic, includes casing shoes | 1       | 1            |
| <b>1813659</b> | 1/2" - 3", 15 t, hydraulic, includes casing shoes | 1       | 1            |



## 2. Carpenter tools

### Clamps

#### F- shaped clamps, two component handle



Clamp with adjustable bracket. One of the brackets mounted on the rail fixture, the other moves to adjust and equipped with screw connection. Brackets sponges have a corrosion resistant powder coating. Sponges are provided with linings for protecting the objects from being damaged. Rubberized grip is useful for working. Also use for fixing in processing of parts and assembly.

| ITEM   | SPECIFICATION (A x B x C)** | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------|---------|--------------|
| 204029 | 150 x 50 x 210 mm           | 50      | 10           |
| 204039 | 200 x 50 x 260 mm           | 50      | 10           |
| 204049 | 250 x 50 x 310 mm           | 50      | 10           |
| 204059 | 300 x 50 x 370 mm           | 50      | 10           |
| 204079 | 500 x 120 x 600 mm          | 12      | 6            |
| 204089 | 800 x 120 x 900 mm          | 12      | 6            |
| 204109 | 1000 x 120 x 1100 mm        | 12      | 1            |

#### F- shaped clamps, double stop, two component handle



Clamp with adjustable bracket. One of the brackets mounted on the rail fixture, the other moves to adjust and equipped with screw connection. Brackets sponges have a corrosion resistant powder coating. Sponges are provided with linings for protecting the objects from being damaged. Rubberized grip is useful for working. Also use for fixing in processing of parts and assembly.

| ITEM   | SPECIFICATION (A x B x C)** | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------|---------|--------------|
| 204129 | 300 x 120 x 405 mm          | 8       | 2            |
| 204139 | 400 x 120 x 500 mm          | 8       | 1            |
| 204159 | 600 x 120 x 715 mm          | 8       | 2            |

#### F- shaped clamps with lunger pin, quick-clamping, plastic material, «horizontal»



The clamp is made from impact resistant plastic. Jaws are provided with sponge pads to prevent damage to objects. Base jaw is moved along the all length and fixed by handle, and can be transposed to the other side of clamp, which allows to use the clamp "for unclamping."

| ITEM   | SPECIFICATION (A x B x C)** | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------|---------|--------------|
| 205619 | 150 x 45 x 265 mm           | 96      | 12           |
| 205629 | 200 x 45 x 315 mm           | 96      | 12           |

#### F-shaped clamps with lunger pin, quick-clamping, plastic material, «vertical»



The clamp is made from impact resistant plastic. Jaws are provided with sponge pads to prevent damage to objects. Base jaw is moved along the all length and fixed by handle, and can be transposed to the other side of clamp, which allows to use the clamp «for unclamping».

| ITEM   | SPECIFICATION (A x B x C)** | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------|---------|--------------|
| 205449 | 300 x 90 x 605 mm           | 18      | 6            |
| 205459 | 450 x 90 x 765 mm           | 12      | 6            |
| 205469 | 600 x 90 x 915 mm           | 12      | 6            |
| 205479 | 760 x 90 x 1065 mm          | 8       | 4            |

#### G- shaped clamps



Intended for fixing in elaboration and assembling parts. The body of clamp is coated by powder paint paint resistant to mechanical damage and protecting the clamp against corrosion. Jaws are equipped with straps to prevent damage of objects. Screw clamp with a large screw thread and podger securely locks the workpiece.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 206039 | 75 mm         | 24      | 12           |
| 206049 | 100 mm        | 24      | 12           |
| 206059 | 125 mm        | 24      | 6            |
| 206069 | 150 mm        | 24      | 6            |

#### Multi-directional clamp with stair-step regulation



Multi-directional clamp with stair-step regulation. Intended for fixing in elaboration and assembling parts. Quick change of jaw size, made of carbon steel, powder coated body.

| ITEM   | SPECIFICATION            | PACKAGE | MIN. PACKAGE |
|--------|--------------------------|---------|--------------|
| 206109 | 220 mm, regulation 2"-3" | 48      | 1            |



| ITEM   | SPECIFICATION            | PACKAGE | MIN. PACKAGE |
|--------|--------------------------|---------|--------------|
| 206129 | 230 mm, regulation 3"-6" | 24      | 6            |



| ITEM   | SPECIFICATION            | PACKAGE | MIN. PACKAGE |
|--------|--------------------------|---------|--------------|
| 206149 | 385 mm, regulation 4"-7" | 12      | 6            |

\*\* A – grip width, B – grip depth, C – shank length.



## Axes

### Forged axes two-component fiberglass handle



Designed for woodwork and carpentry work. Axe is forged and made of 60Mn steel. Hardness - 50HRC. Fiberglass rubbered handle has high mechanical durability, resistant to the effects of the aggressive environment and perfectly absorbs vibrations, which appear during cutting, without transferring them to the hand.

| ITEM   | SPECIFICATION  | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 216409 | 600 g, 400 mm  | 24      | 1            |
| 216479 | 800 g, 410 mm  | 12      | 6            |
| 216499 | 1000 g, 460 mm | 12      | 6            |

### Axes, cleavers with wedge-shaped blade, rubber-coated fiberglass handle



Is used for cutting and chopping wood. The blade of ax is made by steel 45 grade, by forging. The hardness of the cutting edge 48-50 HRC. The presence on both sides of the working tool blade in the middle part simplifies the process of splitting wood. Axe with fiberglass lining the bottom of the soft rubber perfectly absorbs vibrations during the work, without passing them on hand, has high mechanical strength, and does not rot and fissuring, and has resistant to aggressive environments.

| ITEM   | SPECIFICATION  | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 218159 | 1000 g, 400 mm | 12      | 6            |



| ITEM   | SPECIFICATION  | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 218169 | 2000 g, 880 mm | 6       | 1            |

## Axes

### Axes with fiberglass handle



The axe is made of steel 65G. Hardness - 50 HRC. For a more efficient and accurate firewood back of the head is provided with anvil designed to strike a hammer. Fiberglass handle is shock absorption, does not fissure and swell.

| ITEM   | SPECIFICATION  | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 218209 | 2700 g, 900 mm | 4       | 1            |
| 218229 | 3600 g, 900 mm | 4       | 1            |

## MINI picks, fiberglass rubber handle



Picks are made by forging of steel 50 grade. The hardness is 48 HRC. Has Fiberglass ergonomic handles, which shocks the absorption. Is used for splitting the rock, rocks, destruction of reinforced concrete structures, old brickwork. Mainly used in construction, mining and earthmoving.

| ITEM   | SPECIFICATION  | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 218249 | 500 g, 385 mm, hammer pick for stove setter and bricklayer | 24      | 6            |



| ITEM   | SPECIFICATION           | PACKAGE | MIN. PACKAGE |
|--------|-------------------------|---------|--------------|
| 218269 | 500 g, 385 mm, 2-planar | 24      | 6            |



| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 218289 | 400 g, 385 mm | 24      | 6            |

## Picks, fiberglass rubber handle



Picks are made by forging of steel 50 grade. The hardness is 48 HRC. Has Fiberglass ergonomic handles, which shocks the absorption. Is used for splitting the rock, rocks, destruction of reinforced concrete structures, old brickwork. Mainly used in construction, mining and earthmoving.

| ITEM   | SPECIFICATION  | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 218309 | 1500 g, 900 mm | 6       | 1            |
| 218299 | 1000 g, 900 mm | 6       | 1            |

## Miter boxes

### Plastic miter boxes



Is used for carrying preforms gashes in the middle and a small thickness of wood, plastic, polyurethane etc. D. At angles 45 and 90 degrees in the vertical plane and 90 degrees from the horizontal. Includes backed saw 350 mm with fine tooth and two-component handle. The tool allows workpieces to the width of 95 mm and a depth of 45 mm. For convenience, miter box can be attached to the bench with two screws or nails.

| ITEM   | SPECIFICATION                                   | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 225509 | 300 x 100 mm + saw 350 mm, two component handle | 6       | 1            |



Is used for carrying preforms gashes in the middle and a small thickness of wood, plastic, polyurethane and the like. D. At angles 45 and 90 degrees in the vertical plane and 90 degrees from the horizontal. Includes backed saw 350 mm with fine tooth and two-component handle. The tool allows workpieces to the width of 95 mm and a depth of 45 mm. For convenience, miter box can be attached to the bench with two screws or nails.

| ITEM   | SPECIFICATION                             | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 225359 | 300 x 100 mm + saw 400 mm, plastic handle | 20      | 1            |
| 225409 | 300 x 100 mm + saw 500 mm, plastic handle | 20      | 1            |



Able to make make cuts at angles of 22.5, 45, 90, 135 degrees in the horizontal plane and 45 degrees - to the vertical. The kit includes two plastic retainer which provide a record workpieces.

| ITEM   | SPECIFICATION               | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------|---------|--------------|
| 225459 | 310 x 120 mm, 6 angels cuts | 20      | 1            |



is used for fixing the workpiece and accurate cutting at angles 45 °, 90 °, 22,5 °.

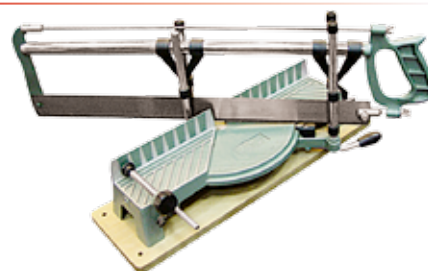
| ITEM   | SPECIFICATION              | PACKAGE | MIN. PACKAGE |
|--------|----------------------------|---------|--------------|
| 225479 | 300 x 90 mm, 6 angles cuts | 24      | 1            |

### Precision miter boxes



Is used for precise cuts in workpieces of low and medium thickness at arbitrary angles ranging from 45 to 135 degrees. Number of teeth per inch - 14. Fine tooth can work with composite materials and wood. Frame construction provides the saw blade stiffness.

| ITEM   | SPECIFICATION        | PACKAGE | MIN. PACKAGE |
|--------|----------------------|---------|--------------|
| 227329 | 420 mm               | 4       | 1            |
| 227359 | 550 mm, light weight | 4       | 1            |



Is used for precise cuts in workpieces of low and medium thickness at arbitrary angles ranging from 45 to 135 degrees. Number of teeth per inch - 14. Fine tooth can work with composite materials and wood. Frame construction provides the saw blade stiffness.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 227369 | 550 mm        | 4       | 1            |
| 227459 | 600 mm        | 4       | 1            |



Adjustable blade slope allows for precise cuts in both the horizontal and vertical plane. Number of teeth per inch - 14. Fine tooth allows for composite materials, laminate, wood. Frame Saw provides a rigid structure. At the base of the tool has holes for attaching to the surface of the bench miter box.

| ITEM   | SPECIFICATION            | PACKAGE | MIN. PACKAGE |
|--------|--------------------------|---------|--------------|
| 227409 | 550 mm, with blade slope | 4       | 1            |
| 227509 | 600 mm, with blade slope | 4       | 1            |

### Blades for precision miter box, roasted tooth



The blade has a high stiffness and thus provides an accurate cut. Teeth blade hardened and have increased durability. Number of teeth per inch - 14 is a replacement element for precision miter box.

| ITEM    | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|---------|---------------|---------|--------------|
| 2284259 | 420 mm        | 150     | 10           |
| 2285559 | 550 mm        | 100     | 10           |
| 2286059 | 600 mm        | 100     | 10           |

### Wood miter box

#### Panel saw, two - component handle



Blade of saw is made by steel 65 Mn.grade Universal tooth with dihedral sharpening. Induction hardening tooth gives extra strength and longer life saw. Is used for work with plywood, various types of wood, and chipboard.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 231039 | 300 mm        | 48      | 6            |



### Saws for small dusty work, plastic-molded two-component handle



Blade of saw is made by steel grade 65 Mn. Hardening of teeth grinding provide sharpness of saw during the whole period of work. Is used for dusty work.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 231069 | 320 mm        | 48      | 6            |

### Backed saw for mitter boxes, two - component handle



Saw blade is made of steel grade 65 G. tooth induction hardening has not require sharpening process. With laser sharpening tooth (3D) is not required to produce the pressure on the wood surface. Is designed to work with plywood, various types of wood, chipboard. Recommended for use with miter box

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 231489 | 350 mm        | 24      | 6            |

### Saws for plywood with gashes, two-component handle



Saw blade is made of steel grade 65 G. tooth induction hardening has not require sharpening process. With laser sharpening tooth (3D) is not required to produce the pressure on the wood surface. Is designed to work with plywood, various types of wood, chipboard. Recommended for use with miter box

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 231499 | 330 mm        | 48      | 6            |

### Saw for concrete, carbide tipped, protective covering, two-component handle



The saw has tipped tungsten carbide with a special sharpening angle for cutting concrete blocks. Teflon coating protects the blade from corrosion and reduces friction of the material. Two-component handle ergonomic shape is attached to the canvas three screws.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 233809 | 500 mm        | 24      | 6            |
| 233829 | 700 mm        | 24      | 6            |

### Saw for drywall, two working edge of the sheet, two-component handle



Special dihedral sharpened teeth provide easy and quick cutting, allows you to cut the workpiece as the movement itself and from itself that provides comfort when working in tight spaces. The canvas is made by carbon steel. Number of teeth per inch - 9. Hardness teeth 50-65 HRC. Ergonomic two-component rubber coated handle.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 233929 | 180 mm        | 48      | 12           |

### Two-handed saw, two-component handle



Saw is made of cold rolled steel 65 Mn. Hardening of teeth increases saw's life. Two component handles are easy to grip.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 234109 | 1000 mm       | 12      | 1            |

### Panel-saw tooth 3D, red-hot tooth, two-component handle



Saw is made by cold rolled steel 65 Mn with hardened tooth 50 and 65 HRC. Triangular laser sharpened teeth. Number of teeth per inch - 7 (universal pitch). Rubberized ergonomic handle with improved quality. Using during work with different kind of wood.

| ITEM   | SPECIFICATION   | PACKAGE | MIN. PACKAGE |
|--------|-----------------|---------|--------------|
| 235409 | 400 mm, 7-8 TPI | 24      | 6            |
| 235419 | 450 mm, 7-8 TPI | 24      | 6            |
| 235429 | 500 mm, 7-8 TPI | 24      | 6            |

### Panel-saw tooth 3D, red-hot tooth, teflon coated of blade two-component handle



Hacksaw is made of cold rolled steel with a hardness of 65 Mn hardened tooth 50-65 HRC. Triangular laser sharpened teeth. Number of teeth per inch - 7 Teflon coating reduces friction on the blank canvas and protects it from corrosion. Ergonomic two-component handle with improved quality. It is used when working with the wood of various kinds.

| ITEM   | SPECIFICATION   | PACKAGE | MIN. PACKAGE |
|--------|-----------------|---------|--------------|
| 235499 | 400 mm, 7-8 TPI | 24      | 6            |
| 235509 | 450 mm, 7-8 TPI | 24      | 6            |
| 235519 | 500 mm, 7-8 TPI | 24      | 6            |

### Panel-saw, wave cutting grinding, tooth 2D, red-hot tooth, two-component handle



Saw blade is made by stainless steel 65Mn. Wave sharpening. Weathered large tooth with a universal step. The two-component ergonomic handle.

| ITEM   | SPECIFICATION   | PACKAGE | MIN. PACKAGE |
|--------|-----------------|---------|--------------|
| 235609 | 500 mm, 3-4 TPI | 48      | 6            |

### Panel-saw UNIVERSAL, tooth 3D, red-hot tooth, two working edge of the sheet, coated with Teflon blade, two-component handle



Saw blade is made by stainless steel 65 Mn. Teflon coating protects against corrosion and reduces friction blade during work. The blade has two working parties. 12 TPI - straight teeth with two cutting edges provides a clean and precise cut. 7 TPI - triangular sharpened teeth «3D» provides a clean and quick cut. Two-component handle.

| ITEM   | SPECIFICATION                 | PACKAGE | MIN. PACKAGE |
|--------|-------------------------------|---------|--------------|
| 235709 | 350 mm, 13-14 TPI and 7-8 TPI | 24      | 6            |
| 235719 | 400 mm, 13-14 TPI and 7-8 TPI | 24      | 6            |

**Panel-saw «three in one» tooth 3D, red-hot tooth 3 working blades, metal rubberized handle**



Cloths hacksaw made of high quality carbon steel. Induction hardening teeth. The teeth are triangular sharpening «3D», which provides a clean and quick cut. There are five angles of the blades relative to the handle. The use of blades: 6 TPI - versatile, designed for cutting wood of different species and wood materials.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 235759 | 7, 9, 13 TPI  | 24      | 6            |

**Wood saws BLACK SERIES, 3D tooth , teflon coating, wood handle with rubber protection**



Saw blade is made by stainless steel 65 Mn. Teflon coating protects against corrosion and reduces friction of blade during cutting. Hardening teeth increases life of tool and requires no additional grinding. Number of teeth per inch - 7. Rubber protector on the wooden handle provides tools high damping rate (absorption oscillations induced by sawing), also protects from mechanical damage.

| ITEM   | SPECIFICATION   | PACKAGE | MIN. PACKAGE |
|--------|-----------------|---------|--------------|
| 235789 | 450 mm, 7-8 TPI | 24      | 6            |
| 235799 | 550 mm, 7-8 TPI | 24      | 6            |

**Chisels**

**Chisel sets, plain «Tiger eye», two - component handle, iron butt**



Designed for joinery. Made of stainless steel 65 Mn. Hardness - 65 HRC. Impact resistant handle is made of hard plastic with rubber coating. Has a metal back plate and through the rod that allows the application of the instrument hammer.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 245019 | 6 mm          | 50      | 1            |
| 245039 | 8 mm          | 50      | 1            |
| 245059 | 10 mm         | 50      | 1            |
| 245079 | 12 mm         | 50      | 1            |
| 245099 | 14 mm         | 50      | 1            |
| 245119 | 16 mm         | 50      | 1            |
| 245139 | 18 mm         | 50      | 1            |
| 245159 | 20 mm         | 50      | 1            |
| 245169 | 22 mm         | 50      | 1            |
| 245179 | 24 mm         | 50      | 1            |
| 245189 | 26 mm         | 50      | 1            |
| 245199 | 30 mm         | 50      | 1            |
| 245209 | 28 mm         | 50      | 1            |
| 245219 | 32 mm         | 50      | 1            |
| 245259 | 38 mm         | 50      | 1            |

**Nail Irons**

**Claw bar**



Used in construction, installation and dismantling. Rectangular-oval profile enhances the instrument at the time of fracture. Protective coating around the body. Made from medium carbon steel tool Article 50. Hardness of working surfaces of 42-44 HRC.

| ITEM   | SPECIFICATION    | PACKAGE | MIN. PACKAGE |
|--------|------------------|---------|--------------|
| 252319 | 450 x 25 x 12 mm | 12      | 2            |
| 252339 | 600 x 29 x 15 mm | 10      | 1            |
| 252359 | 900 x 29 x 15 mm | 6       | 1            |



RELIABLE TOOLS



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### 3. Measuring tools

#### Rulers

#### Ruler-level metal, plastic handle, 2 eyes



The ruler is made of hard aluminum profile, has a comfortable plastic handle. Two eyes allow measurement of horizontal and vertical surfaces.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>305739</b> | 600 mm        | 60      | 6            |
| <b>305759</b> | 800 mm        | 36      | 6            |
| <b>305779</b> | 1000 mm       | 36      | 1            |
| <b>305799</b> | 1200 mm       | 24      | 6            |

### Measuring tape

#### Rubber measuring tape



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped. Ergonomic roulette device includes three independent mechanism for fixing the tape, which makes the work with a tape measure most convenient. Measuring tape is a polymer coating, resistant to abrasion. Graduation - 1 mm. Accuracy class - 2.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310039</b> | 3 m x 16 mm   | 200     | 10           |
| <b>310029</b> | 5 m x 19 mm   | 100     | 10           |
| <b>310019</b> | 7,5 m x 25 mm | 50      | 1            |

#### Status Magnet 3 Fixations measuring tape, rubberized body, magnetic hook



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped. Ergonomic roulette device includes three independent mechanism for fixing the tape, which makes the work with a tape measure most convenient. Measuring tape is a polymer coating, resistant to abrasion. Limiter has a magnetic holder, permit to fix it on metal surfaces. Graduation - 1 mm. Accuracy class - 2.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310049</b> | 3 m x 16 mm   | 120     | 12           |
| <b>310059</b> | 5 m x 25 mm   | 60      | 6            |
| <b>310069</b> | 7,5 m x 25 mm | 60      | 6            |
| <b>310009</b> | 10 m x 32 mm  | 48      | 6            |

#### Measuring tape Status Autostop Magnet+ roulettes, rubberized body, nylon coated, automatic fixation



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped. In the extended position, the measuring tape is kept automatically, requires no additional fixation. Measuring tape is nylon coating, which is resistant to abrasion and flexing. Measuring magnetic tape limiter, allows to fix it on metal surfaces. Graduation - 1 mm. Accuracy class - 2.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310079</b> | 3 m x 16 mm   | 120     | 12           |
| <b>310089</b> | 5 m x 25 mm   | 60      | 6            |
| <b>310099</b> | 7,5 m x 25 mm | 60      | 6            |

#### Black measuring tape, rubberized body



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped. Measuring tape is a polymer coating, resistant to abrasion. Graduation - 1 mm. Accuracy class - 2.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310139</b> | 3 m x 16 mm   | 120     | 12           |
| <b>310149</b> | 5 m x 19 mm   | 120     | 12           |
| <b>310159</b> | 7,5 m x 25 mm | 72      | 12           |

#### Fine measuring tape, plastic body



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped. Ergonomic roulette device includes two independent mechanism for fixing the tape, which makes the work with tape measure most convenient. Measuring tape is a polymer coating, resistant to abrasion. Graduation - 1 mm. Accuracy class - 2.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310169</b> | 3 m x 13 mm   | 120     | 12           |
| <b>310179</b> | 5 m x 19 mm   | 120     | 12           |
| <b>310189</b> | 7,5 m x 25 mm | 72      | 12           |

### Status Magnet Fixation measuring tape, rubberized body, agnetic hook



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped. Ergonomic roulette device includes three independent mechanism for fixing the tape, which makes the work with a tape measure most convenient. Measuring tape is a polymer coating, resistant to abrasion. Graduation - 1 mm. Accuracy class - 2.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310199</b> | 3 m x 16 mm   | 120     | 12           |
| <b>310239</b> | 5 m x 19 mm   | 120     | 12           |
| <b>310299</b> | 5 m x 25 mm   | 60      | 12           |
| <b>310319</b> | 7,5 m x 25 mm | 60      | 6            |

### Chrom measuring tape,chromed body



Used for measuring the sizes and distances. Measuring tape has double-sided metric scale. Plastic body of tape measures is chrome-plated. Lock pin holding the tape at the necessary length. Graduation - 1 mm. Accuracy class - 2.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310329</b> | 2 m x 13 mm   | 200     | 20           |
| <b>310369</b> | 3 m x 13 mm   | 200     | 10           |
| <b>310409</b> | 5 m x 13 mm   | 100     | 10           |

### Status 3 Fixations measuring tape, two - component body, three types of fixation



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped. Ergonomic roulette device includes two independent mechanism for fixing the tape, which makes the work with a tape measure most convenient. Measuring tape is a polymer coating, resistant to abrasion. The holder has a magnet, which fix the tape on metal covers. Graduation - 1 mm. Accuracy class - 2.

| item         | specification | package | min. package |
|--------------|---------------|---------|--------------|
| <b>31033</b> | 3 m x 16 mm   | 120     | 12           |
| <b>31034</b> | 5 m x 19 mm   | 120     | 12           |
| <b>31035</b> | 5 m x 25 mm   | 60      | 6            |

### Status Autostop Magnet measuring tape, two - component body, magnetic body, automatic fixation



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped In the extended position, the measuring tape is kept automatically, requires no additional fixation. Measuring tape is nylon coating, which is resistant to abrasion and flexing.. Measuring magnetic tape limiter, which allows to fix it on metal surfaces. Graduation - 1 mm. Accuracy class - 2.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310379</b> | 3 m x 16 mm   | 120     | 12           |
| <b>310389</b> | 5 m x 25 mm   | 60      | 6            |
| <b>310399</b> | 7,5 m x 25 mm | 60      | 12           |

### Double Fixation measuring tape, rubberized body, double flex fixation



Used for measuring the sizes and distances. Ergonomic body of roulette is made of impact resistant plastic and rubberized. Ergonomic roulette includes two independent mechanisms of tape fixing that makes work with tape measure most convenient. Measuring tape is a polymer coating, resistant to abrasion. Graduation - 1 mm. Accuracy class - 2

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310529</b> | 3 m x 16 mm   | 200     | 10           |
| <b>310569</b> | 5 m x 19 mm   | 100     | 1            |
| <b>310589</b> | 7,5 m x 25 mm | 50      | 10           |
| <b>310619</b> | 10 m x 25 mm  | 50      | 1            |

### Strong measuring tape, rubberized body



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped. Ergonomic roulette device includes two independent mechanism for fixing the tape, which makes the work with a tape measure most convenient. Measuring tape is a polymer coating, resistant to abrasion. Graduation - 1 mm. Accuracy class - 2

| item         | specification | package | min. package |
|--------------|---------------|---------|--------------|
| <b>31078</b> | 3 m x 16 mm   | 200     | 10           |
| <b>31080</b> | 5 m x 19 mm   | 100     | 1            |
| <b>31082</b> | 7,5 m x 25 mm | 50      | 1            |



### Continuous Fixation measuring tape, rubberized body, smooth fixation



Used for measuring sizes and distances. Durable plastic rubber body protect tool from dropped. Ergonomic roulette device includes two independent mechanism for fixing the tape, which makes the work with a tape measure most convenient. Measuring tape is a polymer coating, resistant to abrasion. Graduation - 1 mm. Accuracy class - 2.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>310869</b> | 3 m x 16 mm   | 200     | 10           |
| <b>310889</b> | 5 m x 19 mm   | 100     | 10           |
| <b>310909</b> | 7,5 m x 25 mm | 50      | 10           |

### Target measuring tape, two - component handle, automatic fixation



Used for measuring sizes and distances. Equipped with a wide 25 mm tape. The thickness of tape is 0.135 mm, which is approximately 30% larger than the standard. White color improves «Readability» of the scale. Rounded body has rubber coated wand prevents roulette from damage. Automatic locking mechanism with button, which returns tape and situated underside.

| item         | specification | package | min. package |
|--------------|---------------|---------|--------------|
| <b>31079</b> | 3 m x 25 mm   | 120     | 12           |
| <b>31081</b> | 5 m x 25 mm   | 60      | 6            |
| <b>31083</b> | 7,5 m x 25 mm | 48      | 6            |

### Geodesic measuring tape, PVC tape closed two - component body



Used for measuring distances on the open space, on the ground etc. roulette body is made of impact resistant plastic. Measuring tape with metric scale is made of PVC material. Tape measure body has a comfortable ergonomic shape and spool winder handle tape.

| item           | specification  | package | min. package |
|----------------|----------------|---------|--------------|
| <b>3120759</b> | 10 m x 12,5 mm | 60      | 1            |
| <b>3121359</b> | 20 m x 12,5 mm | 60      | 1            |
| <b>3121959</b> | 30 m x 12,5 mm | 60      | 1            |

## Calipers

### Electronic calipers



Used for accurate measurement of external and internal dimensions. Made of stainless steel. Dragging the profile tool measurement readings are recorded on a circular measuring scale. Measurement error of 0.02 mm (0-100 mm), 0.03 mm (100-200 mm). Packaged in a plastic case with soft rubber covering inside, excluding the possibility of damage during bumps and falls.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>316019</b> | 150 mm        | 50      | 10           |

### Electronic calipers



Used for accurate measurement of external and internal dimensions. Made by stainless steel. Dragging the profile tool measurement readings are recorded on the LCD. Power supply - one battery 1.5 V, type SR44. Measurement error of 0.02 mm (0-100 mm), 0.03 mm (100-200 mm). Packaged in a plastic case with soft rubber covering inside, excluding the possibility of damage during bumps and falls.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>316119</b> | 150 mm        | 50      | 10           |

### Vernier caliper, scale 0.02 mm, with a depth gauge, in plastic box



Designed for accurate measurement of external and internal dimensions. Made of carbon steel. The design tool allows you to smoothly and easily move the slider to measuring their profiles. used to measure to the nearest 0.05 mm.

| item           | specification | package | min. package |
|----------------|---------------|---------|--------------|
| <b>3163159</b> | 150 mm        | 50      | 10           |
| <b>3163259</b> | 200 mm        | 50      | 1            |
| <b>3163359</b> | 250 mm        | 25      | 1            |
| <b>3163459</b> | 300 mm        | 25      | 1            |

## Mechanical micrometr

### Mechanical micrometr



Micrometer made of tool steel. Has the shape of the bracket. The main working element is the micrometer head. Packaged in a plastic case. Designed for high-precision measurements.

| item           | specification | package | min. package |
|----------------|---------------|---------|--------------|
| <b>3172559</b> | 0-25 mm       | 50      | 1            |
| <b>3175059</b> | 25-50 mm      | 50      | 5            |
| <b>3177559</b> | 50-75 mm      | 25      | 5            |
| <b>3170059</b> | 75-100 mm     | 24      | 6            |



## Angels

### Aluminum angels



Suitable for marking and checking angles in the processing and assembly of products. Has an anodized surface. Aluminum profile is measuring trough which gives a special strength of the structure. Two-way markings on both sides of the profile. Informative icons. Hole for suspension.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>324719</b> | 250 mm        | 40      | 20           |
| <b>324729</b> | 300 mm        | 40      | 20           |
| <b>324739</b> | 350 mm        | 40      | 20           |
| <b>324749</b> | 400 mm        | 40      | 20           |
| <b>324759</b> | 450 mm        | 1       | 40           |

### Fullmetal angels



Suitable for marking and checking angles in the processing and assembly of products. Has an anodized surface. Aluminum profile is measuring trough which gives a special strength of the structure. Two-way markings on both sides of the profile.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>323709</b> | 300 mm        | 1       | 72           |
| <b>323719</b> | 600 mm        | 1       | 24           |

## Levels

### Aluminum levels, 3 eyes, with measuring tape, red color



Level body is made of reinforced rectangular aluminum profile. Weight per meter - 0.24 kg. The tool is painted and equipped two plastic plugs on both sides. The model has three measuring eye to check for abnormalities in the horizontal, vertical 45-degree angle. Measurement accuracy - 1 mm m (0,057 degrees).

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>332209</b> | 400 mm        | 60      | 1            |
| <b>332239</b> | 600 mm        | 60      | 1            |
| <b>332269</b> | 800 mm        | 60      | 2            |
| <b>332299</b> | 1000 mm       | 60      | 1            |
| <b>332329</b> | 1200 mm       | 60      | 1            |
| <b>332359</b> | 1500 mm       | 30      | 1            |
| <b>332389</b> | 1800 mm       | 30      | 1            |
| <b>332419</b> | 2000 mm       | 30      | 1            |

### Aluminum levels, 3 eyes, ergonomic handles



Level body made of reinforced rectangular aluminum profile. Weight per meter - 0.70 kg. Milled working plane. The model has three acrylic eye. Sole of level has a special form for the convenience of measurements on pipes in the performance of plumbing work. Measurement accuracy - 1 mm m (0,057 degrees).

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>332219</b> | 600 mm        | 50      | 1            |
| <b>332249</b> | 800 mm        | 30      | 1            |
| <b>332289</b> | 1000 mm       | 30      | 1            |
| <b>332309</b> | 1200 mm       | 30      | 1            |
| <b>332319</b> | 1500 mm       | 20      | 1            |
| <b>332339</b> | 1800 mm       | 10      | 1            |
| <b>332349</b> | 2000 mm       | 10      | 1            |

### Aluminum levels, 3 eyes, ergonomic handles



Level body made of rigid rectangular aluminum profile. Weight per meter - 0.32 kg. One of its faces milled. The model has three acrylic eye to check for abnormalities in the horizontal, vertical and 45-degree angle. Measurement accuracy - 1 mm m (0,057 degrees)

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>336049</b> | 400 mm        | 60      | 1            |
| <b>336069</b> | 600 mm        | 60      | 1            |
| <b>336089</b> | 800 mm        | 60      | 1            |
| <b>336109</b> | 1000 mm       | 60      | 1            |

### Aluminum levels, 3 eyes, magnetic holder



Level body is made of impact resistant plastic with aluminum frame. Body has magnets for fixation on metal surfaces. The model has three acrylic eye for checking for deviations horizontally and vertically. Measurement accuracy - 1 mm m (0,057 degrees).

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>337019</b> | 450 mm        | 50      | 1            |
| <b>337029</b> | 600 mm        | 50      | 10           |

### Aluminum levels «rails», 2 + 1 rotated eye, reinforced



Level body made of impact resistant plastic with aluminum frame. In the tool body embedded magnets for fixation on the metal surfaces. The model has three acrylic eye to check for deviations horizontally and vertically. Measurement accuracy - 1 mm m (0,057 degrees).

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>340049</b> | 400 mm        | 60      | 12           |
| <b>340069</b> | 600 mm        | 48      | 12           |
| <b>340089</b> | 800 mm        | 36      | 12           |
| <b>340109</b> | 1000 mm       | 36      | 1            |
| <b>340129</b> | 1200 mm       | 24      | 12           |



### Aluminum levels «rails», 2 + 1 rotated eye, reinforced



Level is made of rigid aluminum profile. Weight per meter - 0.30 kg. Anodized. One of the holes is rotatable and allows for adjustment of the level of arbitrary angles. Accuracy - m 1 mm (0.057 degrees).

| item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 340209 | 400 mm        | 60      | 1            |
| 340239 | 600 mm        | 60      | 1            |
| 340269 | 800 mm        | 60      | 1            |
| 340299 | 1000 mm       | 60      | 1            |
| 340329 | 1200 mm       | 60      | 1            |
| 340359 | 1500 mm       | 30      | 1            |
| 340389 | 1800 mm       | 30      | 1            |
| 340419 | 2000 mm       | 30      | 1            |

### Aluminum levels, 3 eye, shockproof plug, two - component handles, reinforced, milled



Reinforced profile with two milled measuring surfaces of special shape measurement on pipes. Absorbing impact energy caps on the ends of the housing ensure accuracy level when accidental drops. The model has three acrylic eye to check for abnormalities in the horizontal, vertical and 45-degree angle. Handles made of two-high rubber level can reliably hold in hand. Measurement accuracy - 0.5 mm m (0,029 degrees).

| item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 343049 | 600 mm        | 10      | 1            |
| 343069 | 800 mm        | 10      | 1            |
| 343089 | 1000 mm       | 10      | 1            |
| 343109 | 1200 mm       | 10      | 1            |
| 343129 | 1500 mm       | 10      | 1            |

### Aluminum levels, 3 eye, milled reinforced



Reinforced profile with two milled measuring surfaces and ribs. Plastic plugs on the ends have rubber inserts which prevents slipping when measuring on an inclined plane. The model has three acrylic eye check deviations horizontally, vertically, as well as an adjustable eye for reconciliation arbitrary angles. Measurement accuracy - 0.5 mm m (0,029 degrees).

| item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 344049 | 400 mm        | 60      | 1            |
| 344069 | 600 mm        | 60      | 1            |
| 344089 | 800 mm        | 30      | 1            |
| 344109 | 1000 mm       | 30      | 1            |
| 344129 | 1200 mm       | 20      | 1            |
| 344159 | 1500 mm       | 20      | 1            |

### Aluminum levels, 3 eye, milled, reinforced



Has a hard reinforced aluminum profile with a metric scale and ribs. Milled working surface provides additional measuring accuracy. The model has two acrylic eye for checking deviations horizontally and vertically, as well as an adjustable eye for reconciliation arbitrary angles. Measurement accuracy - 0.5 mm m. Plastic plugs on the ends have rubber inserts to prevent slipping. Handles are made the most comfortable level use.

| item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 345069 | 600 mm        | 60      | 1            |
| 345089 | 800 mm        | 30      | 1            |
| 345109 | 1000 mm       | 30      | 1            |
| 345129 | 1200 mm       | 20      | 1            |
| 345159 | 1500 mm       | 20      | 1            |
| 345189 | 1800 mm       | 20      | 1            |
| 345209 | 2000 mm       | 20      | 1            |

### Aluminum level, 2 + 1 eye mirror, milled reinforced magnet



Reinforced aluminum profile with ribs. Milled working surface provides additional measuring accuracy. At the level of the sole for fixing the magnet witch fixes on metal surfaces. Eye has three measurement deviations for checking the horizontal and vertical angle of 45 degrees. Measurement accuracy - 0.5 mm m. In the upper part there is a window with a mirror reflector, which allows making readings in the frontal and transverse planes.

| item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 347049 | 400 mm        | 40      | 1            |
| 347069 | 600 mm        | 40      | 1            |
| 347089 | 800 mm        | 40      | 1            |
| 347109 | 1000 mm       | 40      | 1            |
| 347129 | 1200 mm       | 20      | 1            |
| 347159 | 1500 mm       | 20      | 1            |
| 347189 | 1800 mm       | 20      | 1            |
| 347209 | 2000 mm       | 20      | 1            |

### Aluminum levels trapezoidal, 2 eye (1 mirror), the impact area



Reinforced aluminum profile with ribs. Milled working surface provides additional measuring accuracy. At the level of the sole for fixing the magnet is built on metal surfaces. Eye has three measurement deviations for checking the horizontal and vertical angle of 45 degrees. Measurement accuracy - 0.5 mm m. In the upper part there is a window with a mirror reflector, which allows no errors to take readings in the frontal and transverse planes.

| item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 349079 | 600 mm        | 40      | 1            |

### Laser levels



Tool for building direct laser lines on any surface. Two bubble level. Projects line in the vertical and horizontal planes. Wavelength: 650 nm Battery life: up to 8 hours continuous operation Range: 10m Power: 2 AAA batteries. Before you start, read these instructions carefully.

| item   | specification                         | package | min. package |
|--------|---------------------------------------|---------|--------------|
| 350069 | Laser level, 650 Hm, 16 working hours | 60      | 1            |

mtx



Tool for building direct laser lines on any surface. Two bubble level. Projects line at an angle of 90 degrees. The accuracy of 1 mm / m. Powered by three AA batteries (1.5V). The tool is used to calibrate the proper alignment of objects at a distance, to mark the bases, when laying tile, etc. Before you start, read these instructions carefully.

| item          | specification                        | package | min. package |
|---------------|--------------------------------------|---------|--------------|
| <b>350079</b> | Laser level, 650 Hm, 8 working hours | 20      | 1            |

mtx



The device allows building two mutually perpendicular planes (horizontal. And vertical). Has the function of self-leveling deviations from the vertical. Before you start, read these instructions carefully.

| item         | specification                           | package | min. package |
|--------------|---|---------|--------------|
| <b>35008</b> | Planes builder, 635 Hm, 8 working hours | 20      | 1            |



Laser level has a shock-resistant plastic housing. In addition to the built-in laser equipped with three eyes to give the body the required level. The tool is used to calibrate the proper alignment of objects at a distance, to mark the bases, when laying tile, and so on. D. Before you start, read these instructions carefully.

| item          | specification                | package | min. package |
|---------------|------------------------------|---------|--------------|
| <b>350209</b> | 170 mm, tripod 150 mm, 3 eye | 40      | 10           |

mtx



For the construction of horizontal, vertical and inclined planes. Range projection of the laser line (beam) is 10 m, and the projection of the laser spot can be at a distance of 50 m. Power laser level from two batteries type AAA. Chetyre level sensor (ampoules with yellow-green liquid) are built into the housing of impact-resistant plastic. The lower part of the housing is equipped with captive nuts and two magnets. Magnets securely hold the metal layer on the vertical surface and the nut is intended for fixation to the tripod laser level. Aluminum tripod with extendable legs allows you to set the level to a height of 220 mm. Before you start, read these instructions carefully.

| item          | specification                | package | min. package |
|---------------|------------------------------|---------|--------------|
| <b>350229</b> | 180 mm, 220 mm tripod, 4 eye | 40      | 10           |

mtx



Laser level has a shock-resistant metal body. Laser equipped with two eyes to give the body the required level. Equipped with a special tripod, swivel base, two optical lenses, glasses and red plastic case. Accuracy: 1 mm to 1 m.

| item          | specification   | package | min. package |
|---------------|---|---------|--------------|
| <b>350279</b> | 400 mm, tripod 850 mm, 3 eye, 2 lens, glasses, plastic case | 4       | 1            |

mtx



Laser level has a shock-resistant metal body. Laser equipped with two eyes to give the body the required level. Equipped with a special tripod, swivel base, two optical lenses, glasses and red plastic case. Accuracy: 1 mm to 1 m.

| item          | specification  | package | min. package |
|---------------|--|---------|--------------|
| <b>350299</b> | 400 mm, tripod 1050 mm, 3 eye, 2 lens, glasses, plastic case | 4       | 1            |

## Laser levels

mtx



For the construction of the horizontal and vertical planes on the object, wherein the displaying lines of light (Highlight) relative to each other at right angles. Range projection of the laser line (beam) is 10 meters. Each laser beam source is provided with an independent switch. Power laser level from two AA batteries. Level body made of impact-resistant plastic, the lower part of which is equipped with a fitting member for fixing the laser level on a tripod. Aluminum tripod with extendable legs allows to fix the level at an altitude of up to 1260 mm. By level attached sturdy synthetic bag suitable for storage and transportation of the instrument.

| item         | specification                                      | package | min. package |
|--------------|--|---------|--------------|
| <b>35023</b> | 100 mm, tripod 1260 mm, self-levelling cloth cover | 15      | 1            |





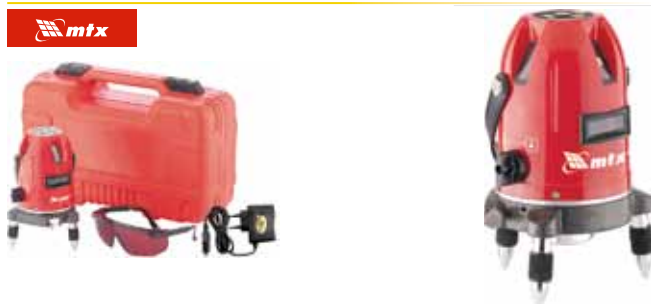
Rotary laser level has a shock-resistant metal housing. Equipped with a special tripod and plastic case, allows you to comfortably transport and store this set. Has a rotation angle within 360 degrees. Measuring laser can provide horizontal scanning and horizontal level of the entire perimeter of the room. Accuracy: 5 mm at 10 m.

| item          | specification  | package | min. package |
|---------------|--|---------|--------------|
| <b>350319</b> | 100 mm, tripod 1300 mm, rotated head, glasses, plastic box | 2       | 1            |



Laser level shock resistant housing. Equipped with a special tripod and plastic case, allows you to comfortably transport and store set. Has the function of automatic construction of the plane to the horizontal and vertical layout of the room. Accuracy: 0.5 mm to 1 m.

| item          | specification   | package | min. package |
|---------------|---|---------|--------------|
| <b>350339</b> | 150 mm, tripod 1100 mm, self-levelling cloth cover, plastic box | 4       | 1            |



Laser Level (builder of planes) is designed for marking surfaces in building construction, repair and decoration of apartments, villas, offices, planning production facilities, warehouses, as well as when working in landscape design. It is used for the installation of heating and air ventilation. Laser Level used in domestic work such as laying floor and wall tiles, installation and assembly of racks, marking provisions electrical outlets and switches, lighting fixtures. Level five projects clear, bright laser lines with a wavelength of 625 nm, is building two mutually perpendicular vertical and one horizontal plane. Level housing can be rotated 360 degrees relative to the base unit and the laser beam is set at a predetermined point. Automatic leveling reduces the level of preparation for work and the need to manual alignment. Sound and light alarm level at the level of deviation from the vertical of more than 4° will help to install the device. The presence of the laser plummet to replace the conventional level will plummet. Mode «OUTDOOR» provides a level of use not only indoors but also outdoors, in bright light. With the help of a micrometer screw can be precisely set the laser beams at the facility level. Level has a 5/8 «thread, allowing it to be installed on a tripod. Includes AC adapter allows you to use the level of household power 220, if the batteries are exhausted.

| item          | specification                                       | package | min. package |
|---------------|---|---------|--------------|
| <b>350359</b> | Laser level, self-regulation, set in a plastic case | 6       | 1            |



Used for finishing and decorating the premises (tiling, installation of windows and doors, hanging of paintings and so on.), While laying the pipeline and elektroprovodki. Maksimalnoe distance measurement level is 5 m, with tool error does not exceed 0.1 deg.; For labeling in the housing, an opening level for drilling. The maximum diameter of the drill is 10 mm. Built-in level of the compressor during operation creates a vacuum atmosphere between the instrument and the smooth surface, thereby prisasyvayas tool to the surface and dust collector 100 ml picks drilling waste. Power level and the compressor is provided by AA batteries (2 pcs.) And GPA 76 (3 pieces). Hours laser is 1.5 hours, the compressor dust collector - 50 min. The tool body is made of impact-resistant plastic. The total mass of products with batteries does not exceed 155 g.

| item          | specification  | package | min. package |
|---------------|--|---------|--------------|
| <b>350409</b> | range 5 m, 650 nm, drill 10 mm, the dust pan, compressor | 20      | 1            |

### Tripod for laser levels



Tripod made of aluminum profile, whereby a high strength light weight. The legs are equipped with special locks, latches, allowing to regulate the length in the range from 420 to 1260 mm. Tripod for use with laser levels 350279, 350299, 350339.

| item          | specification  | package | min. package |
|---------------|--|---------|--------------|
| <b>350909</b> | Tripod for laser levels 420–1260 mm, 35027, 35029, 35033 | 10      | 1            |

### Measuring wheels



Electronic measuring wheel is designed to measure distances where impractical or impossible to use a laser rangefinder and roulette. Equipped with a digital display: Memory 5 measurements, measurements in meters and feet, lights, reset button. Measurement range - 9999, 9 m. The telescopic handle for easy storage. Measuring wheels are widely used for inventory of various objects, measurements of road sections, forest land, the accident scene, and so on. N. Comes with a moisture-proof bag of durable synthetic material.

| item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>360029</b> |               | 5       | 1            |

## 4. Fastening tools

### Riveter

#### Riveters, rivets 2,4-3,2-4,0-4,8 mm



Workers of the instrument are made of structural steel. The kit includes four riveting nozzle diameters rivets under 2,4-3,2-4,0-4,8 mm wrench to replace them. Designed for aluminum rivets for fastening pieces and parts.

| item   | specifications | package | min. package |
|--------|----------------|---------|--------------|
| 405159 | 225 mm         | 24      | 1            |



Workers of the instrument are made of structural steel. The handle has a reinforced rivet profile. The set includes four nozzle diameters rivets under 2,4-3,2-4,0-4,8 mm wrench to replace them. Designed for aluminum rivets for fastening pieces and parts.

| item   | specifications | package | min. package |
|--------|----------------|---------|--------------|
| 405249 | 250 mm         | 24      | 1            |



Working parts of the instrument are made of structural steel. Has a permutation function of head for working at an angle of 90 degrees. Used for aluminum rivets 2,4-3,2-4,0-4,8 mm diameters for for fastening pieces and parts in hard reached places

| item   | specifications        | package | min. package |
|--------|-----------------------|---------|--------------|
| 405279 | 250 mm, movable 0-90° | 24      | 1            |



Working parts of the instrument are made of structural steel. Has a permutation function of head for working at an angle from 0 to 360 degrees. Used for aluminum rivets 2,4-3,2-4,0-4,8 mm diameters for when fastening pieces and parts in hard reached places.

| item   | specifications         | package | min. package |
|--------|------------------------|---------|--------------|
| 405339 | 263 mm, movable 0-360° | 24      | 1            |

### Reinforced riveter two-handed



Riveter two-handed reinforced. An indispensable tool when working on the connection of sheet metal, various thin-walled structures, metal profiles, etc. The instrument used trilobes collet locking mechanism rivets made of structural steel. It is particularly resistant to constant mechanical stress, provides a secure grip rivets and has a number of advantages over conventional double-lobe mechanism. The kit includes replacement rivet points to work with steel, aluminum and stainless steel rivets diameter 3,2, 4,0-4,8-6,0-6,4 mm, as well as the key to replace them. This model has an integrated waste container studs rivets.

| item   | specifications                         | package | min. package |
|--------|--|---------|--------------|
| 405359 | 500 mm, riverts 3,2-4,0-4,8-6,0-6,4 mm | 5       | 1            |

### Reinforced riveter



Linkage "harmonica" increases the force during installing rivets. Strong collet for mounting exhaust aluminum and steel rivets. Kit includes 5 quick-attached rivets diameters 3.2-4.0-4.8-6.0-6.4 mm. Used for aluminum rivets for fastening pieces and parts. Suitable for professional use.

| item    | specifications      | package | min. package |
|---------|---------------------|---------|--------------|
| 4055059 | 800 mm, «harmonica» | 8       | 1            |

### Aluminum riverts



Rivets are made from aluminum. Used upon fastening of various materials via rivet.

| item   | specifications       | package | min. package |
|--------|----------------------|---------|--------------|
| 406109 | 3,2 x 6 mm, 50 pcs.  | 400     | 200          |
| 406209 | 3,2 x 8 mm, 50 pcs.  | 400     | 100          |
| 406259 | 3,2 x 10 mm, 50 pcs. | 400     | 10           |
| 406279 | 3,2 x 12 mm, 50 pcs. | 400     | 100          |
| 406319 | 4,0 x 6 mm, 50 pcs.  | 200     | 50           |
| 406329 | 4,0 x 8 mm, 50 pcs.  | 200     | 100          |
| 406359 | 4,0 x 10 mm, 50 pcs. | 200     | 50           |
| 406409 | 4,0 x 12 mm, 50 pcs. | 200     | 50           |
| 406439 | 4,0 x 14 mm, 50 pcs. | 200     | 50           |
| 406459 | 4,0 x 16 mm, 50 pcs. | 200     | 50           |
| 406509 | 4,8 x 8 mm, 50 pcs.  | 200     | 50           |
| 406559 | 4,8 x 10 mm, 50 pcs. | 200     | 50           |
| 406609 | 4,8 x 12 mm, 50 pcs. | 200     | 100          |
| 406639 | 4,8 x 14 mm, 50 pcs. | 100     | 50           |
| 406659 | 4,8 x 16 mm, 50 pcs. | 100     | 50           |



**Brackets for furniture staple, 53 type, 1000 pcs.**

Used to connect products of wood, plywood, cardboard, chipboard, hardboard et al., For covering furniture fabrics by special Staple gun (staplers). Type brackets 53. Width - 11.3 mm, thickness - 0.7 mm. Suitable for staplers MTX models №№ 409029, 409039, 409079, 409099.

| item          | specifications | package | min. package |
|---------------|----------------|---------|--------------|
| <b>411169</b> | 6 mm           | 300     | 1            |
| <b>411189</b> | 8 mm           | 300     | 1            |
| <b>411209</b> | 10 mm          | 240     | 1            |
| <b>411229</b> | 12 mm          | 180     | 1            |
| <b>411249</b> | 14 mm          | 180     | 1            |

**Brackets for furniture staple, sharpened 53 type, 1000 pcs.**

Used to connect products of wood, plywood, cardboard, chipboard, hardboard et al., For covering furniture fabrics by special Staple gun (staplers). Type brackets 53. Width - 11.3 mm, thickness - 0.7 mm. Suitable for staplers MTX models №№ 409029, 409039, 409079, 409099.

| item          | specifications | package | min. package |
|---------------|----------------|---------|--------------|
| <b>411369</b> | 6 mm           | 300     | 1            |
| <b>411389</b> | 8 mm           | 300     | 1            |
| <b>411409</b> | 10 mm          | 240     | 1            |
| <b>411429</b> | 12 mm          | 180     | 1            |
| <b>411449</b> | 14 mm          | 180     | 1            |

**Brackets for furniture staple, reinforced 53 type, 1000 pcs.**

Staples stapler for furniture made of carbon steel. Hardened. Type brackets 53. Width - 11.3 mm, thickness - 0.7 mm. Used in conjunction with a stapler to fasten tissue sheet materials of wood, hardboard to the base of wood, chipboard, etc. Suitable for staplers MTX models №№ 409029, 409039.

| item          | specifications | package | min. package |
|---------------|----------------|---------|--------------|
| <b>412069</b> | 6 mm           | 300     | 1            |
| <b>412089</b> | 8 mm           | 300     | 1            |
| <b>412109</b> | 10 mm          | 240     | 1            |
| <b>412129</b> | 12 mm          | 180     | 1            |
| <b>412149</b> | 14 mm          | 180     | 1            |

**Brackets for furniture staple, reinforced 140 type, 1000 pcs.**

Rackets for furniture staple is made of carbon steel. Hardened. Type of brackets 140. Width - 10,6 mm, thickness - 1,25 mm. Used in conjunction with staple for fixing tissue sheet materials of wood, hardboard to the base of wood, chipboard, etc. Suitable for staple MTX models №№ 409019, 409059.

| item          | specifications | package | min. package |
|---------------|----------------|---------|--------------|
| <b>413069</b> | 6 mm           | 200     | 1            |
| <b>413089</b> | 8 mm           | 180     | 1            |
| <b>413109</b> | 10 mm          | 150     | 1            |
| <b>413129</b> | 12 mm          | 120     | 1            |
| <b>413149</b> | 14 mm          | 120     | 1            |

**Staples, type 28 and 36, the semi-circular stapler for furniture tempered, 1000 pcs.**

Brackets for cable made of carbon steel. Hardened. Thickness 1.25 mm staples. Suitable for staplers MTX models №№ 409 019, 409 059 for fixing of low-voltage cable.

| item          | specifications   | package | min. package |
|---------------|--|---------|--------------|
| <b>414109</b> | type 28, 12 mm, staple. 40905, thickness 1,25 mm, width 6,3 mm | 150     | 1            |
| <b>414129</b> | type36, 12 mm, staple. 40901, thickness 1,25 mm, width 7,74 mm | 150     | 1            |
| <b>414149</b> | type36, 14 mm, staple. 40901, thickness 1,25 mm, width 7,74 mm | 120     | 1            |

**Nails, type 300 and pins, type 500, for furniture stapler, 1000 pcs.**

Brackets for cable made of carbon steel. Hardened. Thickness 1.25 mm staples. Suitable for staplers MTX models №№ 409019, 409059 for fixing of low-voltage cable.

| item          | specifications  | package | min. package |
|---------------|---|---------|--------------|
| <b>415049</b> | type500, 14 mm, thickness 1,25 mm, width 1,05 mm, hatless | 120     | 1            |
| <b>415109</b> | type300, 10 mm, thickness 1,25 mm, width 1,05 mm          | 250     | 1            |
| <b>415129</b> | type300, 12 mm, thickness 1,25 mm, width 1,05 mm          | 250     | 1            |
| <b>415149</b> | type300, 14 mm, thickness 1,25 mm, width 1,05 mm          | 200     | 1            |

5. Motorcar tools

Jacks

Farm jacks



Designed for fast lifting of car to the extensive height. Farm jack singlestep mechanism allows the possibility of smooth lifting and lowering under pressure. Presence of the catch chain on the end of the carrying bar allows to use this tool as a hand puller.

| Item    | specification                   | package | min. package |
|---------|---------------------------------|---------|--------------|
| 5051559 | 3 t, lifting height 153–700 mm  | 1       | 1            |
| 5051759 | 3 t, lifting height 154–1070 mm | 1       | 1            |
| 5051959 | 3 t, lifting height 155–1350 mm | 1       | 1            |

Hydraulic bottle jacks



Hydraulic bottle jack with safety valve is designed for load lifting. Recommended for car services, repair and construction work. Safety valve prevents lifting of the load, which weight is higher than the claimed by the manufacturer. ATTENTION! Bottle jack is not suitable for long time support of the load in suspension or for its moving. Before lifting make sure that the load is evenly allocated on the center of the jack bearing surface. Weight of the lifted load must not exceed the weight, indicated by the manufacturer. During the work jack must be installed on the horizontal even and solid surface. After lifting the load, special support-stands must be used for its support. It is forbidden to perform any kind of work under the lifted load without the support of the stands. Before starting work please learn the tool manual.

| Item   | specification    | package | min. package |
|--------|------------------|---------|--------------|
| 507159 | 2 t, 181–345 mm  | 6       | 1            |
| 507179 | 3 t, 194–372 mm  | 6       | 1            |
| 507219 | 5 t, 216–413 mm  | 4       | 1            |
| 507239 | 8 t, 230–457 mm  | 4       | 1            |
| 507259 | 10 t, 230–460 mm | 4       | 1            |
| 507279 | 12 t, 230–465 mm | 3       | 1            |
| 507299 | 15 t, 230–460 mm | 2       | 1            |
| 507319 | 20 t, 242–452 mm | 2       | 1            |
| 507339 | 25 t, 240–375 mm | 1       | 1            |
| 507359 | 30 t, 240–370 mm | 1       | 1            |
| 507379 | 50 t, 236–356 mm | 1       | 1            |

Hydraulic telescopic bottle jacks



Hydraulic bottle jack with telescopic mechanism is designed for load lifting. Recommended for car services, repair and construction work. Safety valve prevents lifting of the load, which weight is higher than the claimed by the manufacturer. Telescopic mechanism provides an increased working capacity. ATTENTION! Bottle jack is not suitable for long time support of the load in suspension or for its moving. Before lifting make sure that the load is evenly allocated on the center of the jack bearing surface. Weight of the lifted load must not exceed the weight, indicated by the manufacturer. During the work jack must be installed on the horizontal even and solid surface. After lifting the load, special support-stands must be used for its support. It is forbidden to perform any kind of work under the lifted load without the support of the stands. Before starting the work please learn the tool manual.

| Item    | specification    | package | min. package |
|---------|------------------|---------|--------------|
| 5074059 | 6 t, 171–453 mm  | 4       | 1            |
| 5074459 | 10 t, 198–519 mm | 2       | 1            |
| 5074559 | 10 t, 228–601 mm | 2       | 1            |

Hydraulic bottle jacks, plastic case



Hydraulic bottle jack with safety valve is designed for load lifting. Recommended for car services, repair and construction work. Safety valve prevents lifting of the load, which weight is higher than the claimed by the manufacturer. Complemented with the convenient plastic case for tool storage. ATTENTION! Bottle jack is not suitable for long time support of the load in suspension or for its moving. Before lifting make sure that the load is evenly allocated on the center of the jack bearing surface. Weight of the lifted load must not exceed the weight, indicated by the manufacturer. During the work jack must be installed on the horizontal even and solid surface. After lifting the load, special support-stands must be used for its support. It is forbidden to perform any kind of work under the lifted load without the support of the support-stands. Before starting the work please learn the tool manual.

| Item   | specification   | package | min. package |
|--------|-----------------|---------|--------------|
| 507509 | 2 t, 181–345 mm | 6       | 1            |
| 507529 | 3 t, 194–372 mm | 6       | 1            |
| 507549 | 4 t, 194–372 mm | 6       | 1            |
| 507569 | 5 t, 216–413 mm | 4       | 1            |



## Hydraulic trolley jacks



Hydraulic trolley jack with safety valve is designed for load lifting up to 2 - 3 tons. Recommended for car services, repair and tyre lifting work. Safety valve prevents lifting of the load, which weight is higher than the claimed by the manufacturer. ATTENTION! Bottle jack is not suitable for long time support of the load in suspension or for its moving. Before lifting make sure that the load is evenly allocated on the center of the jack bearing surface. Weight of the lifted load must not exceed the weight, indicated by the manufacturer. During the work jack must be installed on the horizontally even and solid surface. After lifting the load, special support-stands must be used for its support. It is forbidden to perform any kind of work under the lifted load without the support of the stands. Before starting the work please learn the tool manual.

| Item    | specification                    | package | min. package |
|---------|----------------------------------|---------|--------------|
| 510209  | 2 t, 135–355 mm                  | 1       | 1            |
| 510289  | 2 t, 135–385 mm, Plastic case    | 1       | 1            |
| 5103359 | 3 t, 130–410 mm                  | 1       | 1            |
| 5103459 | 3 t, 130–410 mm, rotating handle | 1       | 1            |



Hydraulic trolley jack with safety valve is designed for lifting of the load with up to 3 ton weight. Recommended for car services, repair and tyre lifting work. Safety valve prevents lifting of the load, which weight is higher than the claimed by the manufacturer. Complemented with adapter which increases working capacity, what is suitable for any type of light vehicles and SUV. ATTENTION! Bottle jack is not suitable for long time support of the load in suspension or for its moving. Before lifting make sure that the load is evenly allocated on the center of the jack bearing surface. Weight of the lifted load must not exceed the weight, indicated by the manufacturer. During the work jack must be installed on the horizontally even and solid surface. After lifting the load, special support-stands must be used for its support. It is forbidden to perform any kind of work under the lifted load without the support of the stands. Before starting the work please learn the tool manual.

| Item   | specification                             | package | min. package |
|--------|---|---------|--------------|
| 510409 | 3 t, 150–530 mm, lifting height magnifier | 1       | 1            |

## Hydraulic trolley jacks



Professional hydraulic trolley jack with safety valve is designed for lifting of the load with up to 3 ton weight. Recommended for car services, repair and tyre lifting work. Safety valve prevents lifting of the load, which weight is higher than the claimed by the manufacturer. Jack has an increased working capacity, what is suitable for any type of light vehicles and SUV. ATTENTION! Bottle jack is not suitable for long time support of the load in suspension or for its moving. Before lifting make sure that the load is evenly allocated on the center of the jack bearing surface. Weight of the lifted load must not exceed the weight, indicated by the manufacturer. During the work jack must be installed on the horizontally even and solid surface. After lifting the load, special support-stands must be used for its support. It is forbidden to perform any kind of work under the lifted load without the support of the stands. Before starting the work please learn the tool manual.

| Item  | specification   | package | min. package |
|-------|-----------------|---------|--------------|
| 51035 | 3 t, 130–490 mm | 1       | 1            |



Professional hydraulic trolley jack with safety valve is designed for load lifting with up to 3 ton weight. Recommended for car services, repair and tyre lifting work. Safety valve prevents lifting of the load, which weight is higher than the claimed by the manufacturer. Jack has an increased working capacity, what is suitable for any type of light vehicles and SUV. Pedal allows to quickly overcome the free lift of the jack from the ground to the car body. ATTENTION! Bottle jack is not suitable for long time support of the load in suspension or for its moving. Before lifting make sure that the load is evenly allocated on the center of the jack bearing surface. Weight of the lifted load must not exceed the weight, indicated by the manufacturer. During the work jack must be installed on the horizontal even and solid surface. After lifting the load, special support-stands must be used for its support. It is forbidden to perform any kind of work under the lifted load without the support of the support-stands. Before starting the work please learn the tool manual.

| Item  | specification            | package | min. package |
|-------|--------------------------|---------|--------------|
| 51045 | 3,5 t, 145–490 mm, pedal | 1       | 1            |

## Hydraulic trolley jacks, INDUSTRY, lifting mode switch



Professional hydraulic trolley jack with strengthened construction design. Jack has a lifting and lowering mode switch installed on the handle, also has a detachable foot bearing, instead of which additional devices can be installed, for example, a sliding stop bar 5677659. Items 5106259 and 5106759 can be used for lifting heavy and commercial transport.

| Item   | specification    | package | min. package |
|--------|------------------|---------|--------------|
| 510575 | 3 t, 145–610 mm  | 1       | 1            |
| 510605 | 5 t, 160–560 mm  | 1       | 1            |
| 510625 | 10 t, 170–570 mm | 1       | 1            |
| 510675 | 20 t, 220–680 mm | 1       | 1            |



Sliding stop bar supplied with only one jack allows to lift the whole side of the car. For reliable fixation on the jack, it has a deepening in the center of the frame.

| Item    | specification                               | package | min. package |
|---------|---|---------|--------------|
| 5677659 | Stop bar for the trolley jack, 2 t, sliding | 1       | 1            |

## Hydraulic car repair kits

### Hydraulic car repair kits, metal case

A set of hydraulic spreaders consists of hydraulic pump, hydraulic cylinder, and also extension tube and a set of nozzles. Unified composition allows to change it and add new components. Used for straightening of the car bodies and different metal constructions. Kits 5133459, 5131459, 5134059, 5132059 have 12 items and 7 changeable nozzles, 5134559 kit has 14 items and 9 changeable nozzles.



| Item    | specification | package | min. package |
|---------|---------------|---------|--------------|
| 5131459 | 4 t           | 1       | 1            |
| 5132059 | 10 t          | 1       | 1            |



## Hydraulic car repair kits, plastic case



| Item    | specification | package | min. package |
|---------|---------------|---------|--------------|
| 5133459 | 4 t           | 1       | 1            |



| Item    | specification | package | min. package |
|---------|---------------|---------|--------------|
| 5134059 | 10 t          | 1       | 1            |



| Item    | specification         | package | min. package |
|---------|-----------------------|---------|--------------|
| 5134559 | 10 t, кейс на колесах | 1       | 1            |

## Hydraulic pumps

### Hydraulic pumps with the hose for spreaders



Hand pump for hydraulic mechanisms, used as a spare or additional part. Can be applied with kits 5131459, 5132059, 5134059, 5133459, 5134559 for spreading and straightening of metal constructions and car bodies. Produced force for model 513259 - 10 t, for model 51327 - 4 t.

| Item    | specification | package | min. package |
|---------|---------------|---------|--------------|
| 5132759 | 4 t           | 1       | 1            |
| 5132559 | 10 t          | 1       | 1            |

## Hydraulic cylinders

### Hydraulic cylinders for spreading



Hydraulic cylinder is used in complete with kits for spreading and straightening of metal constructions 5131459, 5132059, 5134059, 5133459, 5134559, as a spare or additional part. Produced force for model 5132659 is 10 t, for model 5132859 - 4 t.

| Item    | specification | package | min. package |
|---------|---------------|---------|--------------|
| 5132859 | 4 t           | 1       | 1            |
| 5132659 | 10 t          | 1       | 1            |

## Strengthened clamping hydraulic cylinders with hooks

Clamping hydraulic cylinder is designed for clamping and straightening metal constructions and car bodies, used in complete with kits 5131459, 5132059, 5134059, 5133459, 5134559 as an additional part. Produced force for model 5134659 is 2 t, for model 5134759 - 5 t, for models 5134859 and 5135059 - 10 t.



| Item    | specification     | package | min. package |
|---------|-------------------|---------|--------------|
| 5134659 | 2 t, strengthened | 6       | 1            |



| Item    | specification     | package | min. package |
|---------|-------------------|---------|--------------|
| 5134759 | 5 t, strengthened | 6       | 1            |



| Item    | specification      | package | min. package |
|---------|--------------------|---------|--------------|
| 5134859 | 10 t, strengthened | 4       | 1            |



| Item    | specification | package | min. package |
|---------|---------------|---------|--------------|
| 5135059 | 10 t          | 2       | 1            |



A set of hydraulic cylinders, designed for repairing of car bodies. The set includes: 2 clamping cylinders for 5 t and 2 t, 2 standart cylinders for 10 t and 4 t, and also 3 portable cylinders for 10 t, 4 t, 2 t, with length 118 mm, 40 mm and 126 mm

| Item    | specification         | package | min. package |
|---------|-----------------------|---------|--------------|
| 5135159 | 2-10 t, set 11 items. | 1       | 1            |

## Hydraulic press shops

### Hydraulic press shops (complement of 2 parts)



Hydraulic press shop represents itself a demountable construction made of racks, frames, upper and lower beams and a drive, which consists of a bottle type jack with a manual drive. Parts, which are subjected to pressure, can have different sizes, height and width restrained by a working space of the press shop. Compact sizes allow to use it in small repair shops.

| Item    | specification             | package | min. package |
|---------|---------------------------|---------|--------------|
| 5231059 | 12 t, 1230 x 500 x 510 mm | 1       | 1            |
| 5232059 | 20 t, 1510 x 650 x 750 mm | 1       | 1            |



## Garage cranes

### Hydraulic garage cranes (complement of 2 parts)



Hydraulic crane is designed for lifting and transporting car assemblies and components. Radius of the crane arm is regulated according to the maximum load lifting capacity of the crane. Working drive of the crane represents a hydraulic cylinder with a hand drive. Device is fully automotive, doesn't require additional constructions or power. Models 5672959 and 5673259 have folding construction for compact storage.



| Item           | specification                           | package | min. package |
|----------------|---|---------|--------------|
| <b>5672959</b> | 1 t, lifting height 55–2270 mm, folding | 1       | 1            |
| <b>5673259</b> | 2 t, lifting height 25–2382 mm, folding | 1       | 1            |
| <b>5673059</b> | 2 t, lifting height 380–2400 mm         | 1       | 1            |

## Transmission stands

### Transmission stands



Used as a tool for car fixation and insurance of the car, which is raised on the lift for repairs, also used for mounting and dismounting transmission elements and other components. Wide range of vertical movement, small weight and compactness provide comfortable work, storage and transportation.



| Item           | specification                  | package | min. package |
|----------------|--------------------------------|---------|--------------|
| <b>5165059</b> | 0,6 t, 1360–2030 mm, mechanic. | 1       | 1            |
| <b>5165259</b> | 2 t, 1250–2025 mm, mechanic.   | 1       | 1            |



Transmission stand is used for mounting and dismounting transmission elements and other components, which are installed on the inspection pit, trestle, or lift for repairs or technical service. Given stand represents a portable lifting device. With its help it is possible to lift and move dismounted assembly. Includes hydraulic hand drive.



| Item           | specification                   | package | min. package |
|----------------|---------------------------------|---------|--------------|
| <b>5673759</b> | 0,5 t, 1100–1900 mm, hydraulic. | 1       | 1            |
| <b>5673859</b> | 0,4 t, 1290–1785 mm, hydraulic. | 1       | 1            |

## Hydraulic compressors

### Hydraulic compressors



Professional hydraulic device for pulling/installing springs from shock-absorber struts. A set includes hydraulic pump, cylinder, 2 sizes of claws.



| Item           | specification                    | package | min. package |
|----------------|----------------------------------|---------|--------------|
| <b>5677059</b> | Hydraulic spring compressor, 1 t | 1       | 1            |

## Car stands

### Regulable car stands



Used as a tool for fixation and insurance of the car, during its lifting for repairs under the car body. Pick-up height is regulated. Provided in a complement of 2 pieces.



| Item          | specification           | package | min. package |
|---------------|-------------------------|---------|--------------|
| <b>516209</b> | 2 t, 275–420 mm, 2 pcs. | 4       | 1            |
| <b>516239</b> | 3 t, 295–425 mm, 2 pcs. | 4       | 1            |
| <b>516309</b> | 6 t, 400–605 mm, 2 pcs. | 2       | 1            |

## Stands

### Engine repair stands



Designed for hanging engines on purpose of their diagnostics and repairing, also for their transportation inside of a room. Special rotating mechanism provides changing of the angle of a suspended engine in a range from 0° to 360° for more convenient access to it. Design of the brackets allows to use these stands almost with any existing types of engines.



| Item           | specification     | package | min. package |
|----------------|-------------------|---------|--------------|
| <b>5672059</b> | 400 kg (1000 Lbs) | 1       | 1            |
| <b>5672559</b> | 500 kg (1250 Lbs) | 1       | 1            |

## Car body repairing equipment

### Car body repairing equipment



Frame machine is designed for precise recovering of the car bodies. Construction consists of a main beam with stopper and a sliding beam, which is set in motion by the hydrocylinder and a pump, and also transverse pipe with racks. Maximum working force is 10 tons.



| Item           | specification       | package | min. package |
|----------------|---------------------|---------|--------------|
| <b>5679059</b> | Frame machine, 10 t | 1       | 1            |

## Special accessories

### Special accessories



Tyre chocks are made of durable plastic and represent a stopper for lightweight car wheels, it prevents a spontaneous rollback during lifting with a jack. Also chocks, which are fixed on the ground of the parking place through special holes in a body, can be used as a bollard. A set has 2 pieces.



| Item          | specification      | package | min. package |
|---------------|--------------------|---------|--------------|
| <b>567809</b> | Tyre chock, 2 pcs. | 1       | 1            |



Traverse has a simple screw mechanism with a handle, this gives a possibility to center the suspended load. It is recommended to use it as an additional device for lifting tools (garage crane, chain hoist, lifting crane etc.)

| Item    | specification        | package | min. package |
|---------|----------------------|---------|--------------|
| 5672759 | Traverse bar, 680 kg | 1       | 1            |



Designed for hanging engine in the engine compartment during repairs. Device has two supporting blocks, which are installed on the edges of the engine compartment, and two chains with fixators, which are holding the engine. Due to a wide adjustment range it can be used almost with any cars

| Item    | specification                 | package | min. package |
|---------|-------------------------------|---------|--------------|
| 5678959 | Engine hanging device, 500 kg | 1       | 1            |

### Pipe benders



Hydraulic pipe bender is designed for bending steel pipes in cold condition. Changeable shoes allow to bend pipes with maximum angle of 90 degrees and little physical effort. Has a single contour hydraulic system with spring return, which gives a possibility to control movement of the piston, what gives easy and precise pipe bending and fast piston return. Allows to quickly bend pipes on worksites - on construction sites, in gas and heating systems, car services, boiler rooms, factory territories.

| Item    | specification                                     | package | min. package |
|---------|---|---------|--------------|
| 1813359 | 1/2" - 2", 12 t, hydraulic, includes casing shoes | 1       | 1            |
| 1813659 | 1/2" - 3", 15 t, hydraulic, includes casing shoes | 1       | 1            |

### Chain hoists

#### Chain hoists

Chain hoists consist of the hook hanger which is placed on the hoist block, and a block itself with two chain contours - lifting with a hook and closed regulatory one. Brake is installed in the lifting mechanism, which prevents spontaneous load lowering. Hoists are designed for load lifting and movement.



| Item    | specification  | package | min. package |
|---------|--|---------|--------------|
| 5193059 | 0,5 t, lifting height 2,5 m, distance between hooks 240 mm | 1       | 1            |
| 5193359 | 1 t, lifting height 2,5 m, distance between hooks 300 mm   | 1       | 1            |
| 5193659 | 2 t, lifting height 2,5 m, distance between hooks 380 mm   | 1       | 1            |



| Item    | specification  | package | min. package |
|---------|--|---------|--------------|
| 5193959 | 3 t, lifting height 3 m, distance between hooks 470 mm | 1       | 1            |
| 5194259 | 5 t, lifting height 3 m, distance between hooks 600 mm | 1       | 1            |

### Telphers

#### Chain telphers, chain length 3 m



Telfer represents itself a device, designed for movement of the loads. Manually sets in motion along the guide bar. Used in the workshops of the factories, plants, warehouses, car services etc.

| Item    | specification | package | min. package |
|---------|---------------|---------|--------------|
| 5198259 | 1 t           | 1       | 1            |
| 5198459 | 2 t           | 1       | 1            |
| 5198659 | 3 t           | 1       | 1            |
| 5198859 | 5 t           | 1       | 1            |

### Winches (hand pullers)



Hand puller represents itself a manual portable device, designed for load lifting and movement. Most common fields of use: rigging work, loading-unloading operations, equipment installation, mounting-dismounting of car engines etc.

| Item   | specification                                      | package | min. package |
|--------|--|---------|--------------|
| 522209 | 2 t/0,8 t, single gear wheel, working length 2,2 m | 6       | 1            |
| 522259 | 4 t/1,6 t, double gear wheel, working length 2,8 m | 4       | 1            |
| 522609 | 2 t/0,8 t, double gear wheel, working length 2,5 m | 6       | 1            |

### Winch gears

Hand winch has a durable body and steel gear set, which is set in motion by the rotation of the handle. Designed only for horizontal load movement. Applied during equipment installation, rigging work, loading-unloading operations. Winch is especially convenient at the outdoor work, with electricity absence. It is forbidden for use at load lifting.



| Item    | specification                     | package | min. package |
|---------|-----------------------------------|---------|--------------|
| 5227159 | 0,8 t, band type, band length 6 m | 4       | 1            |





| Item    | specification                         | package | min. package |
|---------|---------------------------------------|---------|--------------|
| 5227359 | 0,8 t, cable type, cable length 4,7 m | 4       | 1            |

## Framing hammers

### Framing sets



The framing set includes 3 roofing hammers, 4 anvils of different size. All tools are made of instrumental steel. Hardness of the working surfaces is 55 HRC. Fiberglass handles amortize the impact. Set is packed in the convenient plastic case. Designed for repairing work.

| Item   | specification   | package | min. package |
|--------|---|---------|--------------|
| 108459 | 3 hammers, 4 anvils, fiberglass handles, plastic case | 2       | 1            |

## Lubricants

### Lubricating gun



Lubricating gun has a compressor a blower and a metal guiding tube. Designed for filling viscous technological liquids in the mechanism junctions.

| Item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 531209 | 0,25 l        | 80      | 1            |

## Garage furniture

### Repair seats



Design represents itself a stool, legs of which have wheels with turning angle of 360 degrees, also the stool has organizer tray for tools and small parts. Designed to increase a mobility of the operator during the work.

| Item    | specification      | package | min. package |
|---------|--------------------|---------|--------------|
| 5670359 | 360 x 355 x 380 mm | 1       | 1            |



Design represents itself a stool, legs of which have wheels with turning angle of 360 degrees, also the stool has an organizer tray for tools and small parts and a sliding drawer for storage of the tools, which are «always needed». Designed to increase the mobility of the operator during the work.

| Item   | specification                   | package | min. package |
|--------|---------------------------------|---------|--------------|
| 567095 | 360 x 440 x 350 mm, with drawer | 1       | 1            |

## Tool carts



Metal tool cart has 2 sections, additional sliding drawer and a working bench on top. Four locking wheels. Designed for storage of the most needed tools.

| Item    | specification                                | package | min. package |
|---------|--|---------|--------------|
| 5673459 | 737 x 383 x 668 mm, 3-sectional, with drawer | 1       | 1            |

## Metal tool boxes

Tool boxes are closed with a help of metal latch. Designed for tool storage and transportation.



| Item    | specification     | package | min. package |
|---------|-------------------|---------|--------------|
| 9060559 | 284 x 160 x 78 mm | 1       | 1            |



| Item    | specification     | package | min. package |
|---------|-------------------|---------|--------------|
| 9060359 | 410 x 154 x 95 mm | 1       | 1            |



| Item    | specification      | package | min. package |
|---------|--------------------|---------|--------------|
| 9060259 | 484 x 154 x 165 mm | 1       | 1            |

### Metal tool lockers



Tool locker is made of two sections. Equipped with pullout drawers of different sizes, which can be locked on the key. The locker bottom has four wheels for movement convenience. Sizes: 600 x 260 x 340 mm, 616 x 330 x 658 mm.

| Item    | specification  | package | min. package |
|---------|--|---------|--------------|
| 9066059 | 600 x 260 x 340 mm, 616 x 330 x 658 mm, made of 2 parts, on wheels, 14 drawers | 1       | 1            |

### Repair lounge



Repair lounge on 6 wheels has a metal base, soft foam rubber mattress and rising headrest. Provides convenience of the repair work under the car bottom.

| Item    | specification                                  | package | min. package |
|---------|--|---------|--------------|
| 5674559 | 1030 x 440 x 120 mm, 6 wheels, rising headrest | 1       | 1            |



Repair lounge with ergonomic form with 6 wheels and two build-in trays. Provides convenience in repairing assembly, power systems, exhaust system and other work. Made of shockproof plastic.

| Item    | specification                      | package | min. package |
|---------|------------------------------------|---------|--------------|
| 5674859 | 1000x475x128 mm, 6 wheels, plastic | 1       | 1            |

### Power equipment for garage

#### Compressor accessories



Dehumidifier is designed for removing dust particles, condensate, oil from air. Installed on the compressor exhaust or before equipment connection.

| Item   | specification      | package | min. package |
|--------|--------------------|---------|--------------|
| 570089 | Dehumidifier, 1/4" | 300     | 1            |



Nozzle set is used for switching from quick release to screw joint of the air hose.

| Item   | specification                                       | package | min. package |
|--------|---|---------|--------------|
| 570169 | Nozzle set, quick release joint, screw 3/8", 2 pcs. | 250     | 10           |

### Spiral air hoses D 6 x 8 mm, quick release joint



Spiral air hose is made of nylon, resistant to aggressive environments. Equipped with quick release joint with anticorrosive coating. Used for connection of the compressor with different nozzles.

| Item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 570029 | length 5 m    | 100     | 1            |
| 570049 | length 10 m   | 50      | 1            |
| 570069 | length 15 m   | 20      | 1            |

### Painting sets, 5 items, quick release joint

Universal set is made of high quality material. Used for painting, washing and purging works, and also for tyre pumping. Used at household (garages, household workshops) and also at professional (car services, furniture manufacturing, small façade works) conditions. Suitable for all kinds of pneumatic compressors. The set includes 5 meter hose with a connector for quick-release joint.



| Item   | specification   | package | min. package |
|--------|---|---------|--------------|
| 573029 | Pumping gun with manometer; air gun; gun for viscous liquids; paint sprayer with lower can; hose with quick-release connector | 10      | 1            |



| Item   | specification   | package | min. package |
|--------|---|---------|--------------|
| 573049 | Pumping gun with manometer; air gun; gun for viscous liquids; paint sprayer with lower can; hose with quick-release connector | 10      | 1            |

### Sets: pneumatic air gun complete with nozzles

Air gun is designed for blowing small holes and wide surfaces with compressed air. Complete with a set of changeable reduction nozzles.



| Item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 573369 | 6 nozzles     | 100     | 50           |



| Item   | specification | package | min. package |
|--------|---------------|---------|--------------|
| 573389 | 4 nozzles     | 100     | 50           |



## Pneumatic paint sprayers, changeable nozzles with diameters 1.2, 1.5, and 1.8 mm



Paint sprayer with upper can is designed for applying protective, decorative, insulating coatings on different surfaces: plastic, metal, wood, ceramics. Used at exterior and interior decoration work, painting metal constructions in car services, applying fireproof mixtures.

| Item          | specification    | package | min. package |
|---------------|------------------|---------|--------------|
| <b>573149</b> | 0,6 l, upper can | 20      | 1            |
| <b>573159</b> | 1,0 l, upper can | 20      | 1            |



Paint sprayer with lower can is designed for applying protective, decorative, insulating coatings on different surfaces: plastic, metal, wood, ceramics. Used at exterior and interior decoration work, painting metal constructions in car services, applying fireproof mixtures.

| Item          | specification     | package | min. package |
|---------------|-------------------|---------|--------------|
| <b>573179</b> | 0,75 l, lower can | 10      | 1            |
| <b>573169</b> | 1,0 l, lower can  | 10      | 1            |



Paint sprayer for finishing operations is designed for applying protective, decorative, insulating coatings on different surfaces: plastic, metal, wood, ceramics. Used at exterior and interior decoration work, painting metal constructions in car services, applying fireproof mixtures.

| Item          | specification   | package | min. package |
|---------------|---|---------|--------------|
| <b>573189</b> | 0,1 l, nozzle diameter 0,5 mm, for finishing operations | 30      | 1            |

## Repair kits for paint sprayers, 4 items: nozzle, needle, sprayer, nozzle clamp.



The set is used as a repair kit for paint sprayers 573149, 573159, 573169, 573179.

| Item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>573809</b> | nozzle 1,2 mm | 100     | 50           |
| <b>573829</b> | nozzle 1,5 mm | 100     | 50           |
| <b>573849</b> | nozzle 1,8 mm | 100     | 50           |

## Pneumatic guns



Designed for pumping tyres with compressed air, equipped with manometer for pressure control. Has a valve for pressure release.

| Item          | specification    | package | min. package |
|---------------|------------------|---------|--------------|
| <b>573229</b> | For tyre pumping | 40      | 10           |



Used for cleaning surfaces from dirt, corrosion, paint, persistent contaminations. Washed quartz sand or special abrasive mixture is used for work.

| Item          | specification           | package | min. package |
|---------------|-------------------------|---------|--------------|
| <b>573269</b> | sandblasting, lower can | 20      | 1            |



Sandblasting gun is used for cleaning surfaces from dirt, corrosion, paint, persistent contaminations. Washed quartz sand or special abrasive mixture is used for work.

| Item          | specification          | package | min. package |
|---------------|------------------------|---------|--------------|
| <b>573289</b> | sandblasting with hose | 10      | 1            |



Air gun is designed for blowing off small holes and wide surfaces with compressed air.

| Item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>573309</b> | air           | 100     | 25           |



Designed for blowing off small holes and wide surfaces with compressed air. Extended nozzle allows to perform work in hard to reach places.

| Item          | specification                | package | min. package |
|---------------|------------------------------|---------|--------------|
| <b>573329</b> | air, extended nozzle, 135 mm | 40      | 20           |



Designed for blowing off small holes and wide surfaces with compressed air. Extended, curved nozzle allows to perform work in hard to reach places.

| Item          | specification                       | package | min. package |
|---------------|-------------------------------------|---------|--------------|
| <b>573349</b> | air, extended curved nozzle, 270 mm | 50      | 25           |



Designed for washing and greasing different surfaces and parts. Extended nozzle allows to perform work in hard to reach places.

| Item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>573409</b> | washing       | 10      | 1            |



Designed for performing decorative-plastering work with a use of colorful granite crumbs, spraying mixtures with pigments on plaster surfaces, marble crumbs on plastered surfaces.

| Item         | specification | package | min. package |
|--------------|---------------|---------|--------------|
| <b>57350</b> | plastering    | 4       | 1            |

### Pneumatic nailers and staplers



Pneumatic nailing gun with magazine capacity of 100 parquet nails, size 18 is designed for quick and reliable nailing of parquet planks, plywood, fiberboards, gypsum plasterboard, leather, fabrics and paper to wooden surfaces. Working pressure range - 65-110 ft on a square inch (0,55-0,76 mPas)

| Item          | specification                | package | min. package |
|---------------|------------------------------|---------|--------------|
| <b>57405</b>  | 7 bar, nail 10-32 mm, 1,2 kg | 10      | 1            |
| <b>574109</b> | 7 bar, nail 10-50 mm, 1,4 kg | 10      | 1            |



Pneumatic broadband stapler with magazine capacity of 160 staples size 20 is designed for quick and reliable fixing of parquet planks, plywood, fiberboards, gypsum plasterboard, leather, fabrics and paper to wooden surfaces. Working pressure range - 60-100 ft on a square inch (0,4-0,7 mPas)

| Item          | specification                             | package | min. package |
|---------------|---|---------|--------------|
| <b>57415</b>  | 7 bar, rectangle staple 6-13 mm, 0,9 kg   | 10      | 1            |
| <b>574209</b> | 7 bar, rectangle staple 10-22 mm, 1,25 kg | 10      | 1            |

### Nails for pneumatic nailer, width - 1,25 mm, thickness - 1 mm, 5000 pcs.



Made of carbon steel. Nickel coating. Designed for fixing materials to surfaces with a help of pneumatic nailer.

| Item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>57602</b>  | 10 mm         | 20      | 1            |
| <b>57604</b>  | 15 mm         | 20      | 1            |
| <b>576069</b> | 20 mm         | 20      | 1            |
| <b>576089</b> | 25 mm         | 20      | 1            |
| <b>576109</b> | 30 mm         | 20      | 1            |
| <b>576129</b> | 32 mm         | 20      | 1            |
| <b>576149</b> | 35 mm         | 10      | 1            |
| <b>576169</b> | 40 mm         | 10      | 1            |
| <b>576189</b> | 45 mm         | 10      | 1            |
| <b>576209</b> | 50 mm         | 10      | 1            |

### Staples for pneumatic stapler, width - 1,2 mm, thickness - 0,6 mm, staple width - 11,2 mm



Made of carbon steel. Nickel coating. Staples are designed for fixing materials to surfaces with a help of pneumatic stapler.

| Item          | specification | package | min. package |
|---------------|---------------|---------|--------------|
| <b>576529</b> | 6 mm          | 30      | 1            |
| <b>576549</b> | 8 mm          | 30      | 1            |
| <b>576569</b> | 10 mm         | 30      | 1            |
| <b>576589</b> | 13 mm         | 30      | 1            |
| <b>576609</b> | 16 mm         | 15      | 1            |
| <b>576629</b> | 19 mm         | 15      | 1            |
| <b>576649</b> | 22 mm         | 15      | 1            |



## 6. Cutting tools

### Wood drill bits

#### Auger drill bits, hex shank



Made of carbon steel. Cutting edge hardness - 40 HRC. Centering tip with a spiral flute, reduce axial load, and a sharp cutting edge provides high-precision drilling with smooth surfaces, preventing the drill displacement and avoiding the necessity for pre-drilling. Hex shank provides secure grip in a drill chuck.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 701009 | 8 x 230 mm    | 100     | 50          |
| 701019 | 10 x 230 mm   | 100     | 50          |
| 701029 | 12 x 230 mm   | 100     | 50          |
| 701049 | 14 x 230 mm   | 100     | 50          |
| 701069 | 16 x 230 mm   | 100     | 50          |
| 701079 | 18 x 230 mm   | 100     | 50          |
| 701089 | 20 x 230 mm   | 100     | 1           |
| 701099 | 22 x 230 mm   | 100     | 50          |
| 701109 | 25 x 230 mm   | 50      | 10          |
| 701119 | 28 x 230 mm   | 50      | 25          |
| 701379 | 30 x 230 mm   | 50      | 25          |
| 701129 | 32 x 230 mm   | 25      | 13          |
| 701139 | 35 x 230 mm   | 24      | 12          |
| 701149 | 40 x 230 mm   | 25      | 5           |
| 701169 | 52 x 230 mm   | 25      | 1           |
| 701189 | 8 x 460 mm    | 50      | 25          |
| 701199 | 10 x 460 mm   | 50      | 25          |
| 701209 | 12 x 460 mm   | 50      | 25          |
| 701229 | 14 x 460 mm   | 50      | 10          |
| 701249 | 16 x 460 mm   | 50      | 10          |
| 701259 | 18 x 460 mm   | 50      | 25          |
| 701269 | 20 x 460 mm   | 30      | 15          |
| 701279 | 22 x 460 mm   | 24      | 12          |
| 701289 | 25 x 460 mm   | 25      | 5           |
| 701389 | 30 x 460 mm   | 24      | 12          |
| 701309 | 32 x 460 mm   | 24      | 12          |
| 701329 | 35 x 460 mm   | 24      | 12          |
| 701349 | 38 x 460 mm   | 24      | 12          |
| 701399 | 40 x 460 mm   | 24      | 12          |
| 701719 | 10 x 600 mm   | 50      | 100         |
| 701729 | 12 x 600 mm   | 50      | 100         |
| 701739 | 14 x 600 mm   | 25      | 50          |
| 701749 | 16 x 600 mm   | 25      | 50          |
| 701759 | 18 x 600 mm   | 25      | 50          |
| 701769 | 20 x 600 mm   | 15      | 30          |
| 701779 | 22 x 600 mm   | 15      | 30          |
| 701799 | 25 x 600 mm   | 15      | 30          |
| 701809 | 26 x 600 mm   | 15      | 30          |
| 701819 | 28 x 600 mm   | 10      | 20          |
| 701829 | 30 x 600 mm   | 10      | 20          |
| 701839 | 32 x 600 mm   | 10      | 20          |
| 701859 | 35 x 600 mm   | 5       | 10          |
| 701879 | 38 x 600 mm   | 5       | 10          |
| 701889 | 40 x 600 mm   | 5       | 10          |

#### Wood drill bits, straight shank



The drill bit is made of tool carbon steel and heat-treated. Cutting edge hardness - 44-48 HRC. Sharpening on automatic equipment provides high precision drilling and high quality surface finish.

| ITEM  | SPECIFICATION    | PACKAGE | MIN PACKAGE |
|-------|------------------|---------|-------------|
| 70201 | 3 x 60 mm, 2 pcs | 500     | 125         |
| 70202 | 4 x 70 mm        | 500     | 125         |
| 70203 | 5 x 85 mm        | 480     | 120         |
| 70204 | 6 x 90 mm        | 480     | 120         |
| 70205 | 7 x 105 mm       | 300     | 75          |

|       |             |     |     |
|-------|-------------|-----|-----|
| 70206 | 8 x 115 mm  | 300 | 75  |
| 70207 | 9 x 125 mm  | 300 | 75  |
| 70208 | 10 x 130 mm | 200 | 50  |
| 70209 | 11 x 140 mm | 200 | 100 |
| 70211 | 12 x 150 mm | 200 | 50  |

#### Wood spade drill bits, hex shank



Spade drill bits are made of carbon steel. Cutting edge hardness - 45-54 HRC. Can be used with both: hand power and electric drills, as well as with drilling machines. Have shoulder sharpening. Hex shank prevents the drill turning in a drill chuck. The drill bits from 16 to 40 mm can be used with extension bar 70495. Intended for drilling holes in both: soft and hard wood with any arrangement of fibers, plywood, chipboard.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 704089 | 16 mm         | 300     | 75          |
| 704109 | 18 mm         | 300     | 75          |
| 704129 | 20 mm         | 300     | 75          |
| 704149 | 22 mm         | 300     | 75          |
| 704159 | 24 mm         | 300     | 75          |
| 704169 | 25 mm         | 300     | 75          |
| 704209 | 28 mm         | 240     | 60          |
| 704229 | 30 mm         | 240     | 60          |
| 704249 | 32 mm         | 240     | 60          |
| 704279 | 35 mm         | 240     | 60          |
| 704299 | 36 mm         | 240     | 60          |
| 704309 | 38 mm         | 240     | 60          |
| 704329 | 40 mm         | 240     | 60          |
| 704339 | 45 mm         | 240     | 60          |
| 704349 | 50 mm         | 200     | 50          |
| 704359 | 55 mm         | 200     | 50          |

#### Spade drill bit sets, hex shank



Spade drill bits are made of carbon steel. Cutting edge hardness - 45-54 HRC. Designed for drilling holes in wood. Options: 10-12-14-16-18-20-25 mm. The set is additionally equipped with an extension of 300 mm. Hex shank prevents rotation of the drill in a chuck. Center point avoids the need for pre-drilling.

| ITEM   | SPECIFICATION                                 | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 704069 | 10-12-16-18-20-25 mm, extension 300 mm, 6 pcs | 20      | 10          |

#### Extension for gouge drill



Made of stainless steel and tempered 40X. Optimally matched angles sharpening of cutting surface. Self-sharpened during work. Used with hammer blow mode without rotation to remove the old plaster, ceramic tiles on the walls.

| ITEM    | SPECIFICATION                     | PACKAGE | MIN PACKAGE |
|---------|-----------------------------------|---------|-------------|
| 7049559 | 300 mm, D 16-40 mm, 6-sided shank | 25      | 100         |



## Wood hole saws



Wood hole saws intended for use as accessories for manual or electric drills. The saws allow to cut holes in wood, chipboard, fiberboard with diameter from 60 to 95 mm without any special preparation. When storing, all saw blades are inserted into the slots, before using the saw set, the desired diameter is to be set. There's a pilot drill bit installed in the center of the holder. The sets include saw diameters 60, 67, 74, 81, 95 mm.

| ITEM   | SPECIFICATION                | PACKAGE | MIN PACKAGE |
|--------|------------------------------|---------|-------------|
| 704709 | D 60-95 mm, blade depth 1,5" | 24      | 6           |

## Wood hole saw sets



Allows to cut holes in wood with a diameter from 60 to 127mm without any special preparation. Continuous hole saws are made of carbon steel. Spring-set tooth allows to work with most types of wood. The set includes 5 saws, diameter 64, 76, 89, 102, 127 mm, the holder with a pilot drill bit, spacer and key. Comes with a plastic case.

| ITEM    | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|---------|--|---------|-------------|
| 7047159 | 64-127 mm, 5 hole saws + holder with pilot drill bit | 24      | 1           |



The saws allow to cut holes in wood with a diameter from 19 to 127mm without any special preparation. Continuous hole saws are made of carbon steel. Spring-set tooth allows you to work with most types of wood. The set includes 5 saw diameters 19, 22, 29, 32, 38, 44, 51, 64, 76, 89, 102, 127 mm, holder with pilot drill bit, spacer and key. Comes with a plastic case.

| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 704729 | 19-127 mm, 12 hole saws + holder with pilot drill bit | 20      | 1           |

## Forstner bits, carbide, straight shank



The drills are made of carbon steel and equipped with carbide tip which is made of VK8 steel with a hardness of up to 89 HRC to increase durability and performance. Designed for precise drilling of blind bores (non-through), large diameter holes at a moderate depth. The drill bit is used for installation of furniture hinges in wood, laminate and chipboard.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 704899 | 32 mm         | 200     | 10          |
| 704909 | 35 mm         | 200     | 10          |

## Sets for installing mortise locks



Made of carbon steel. Designed for installation of door locks with a handle bore diameter 48 and 55 mm and latch diameter of 22 mm. Components: 704919 - core bit 48 mm with guide twist drill, twist drill 22 mm, hex key 4 mm, 704929 - core bit 48 mm with a pilot twist drill, twist drill 22 mm, hex key 4 mm.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 704919 | 22 mm/48 mm   | 60      | 5           |
| 704929 | 22 mm/54 mm   | 60      | 10          |

## Sets for installing mortise locks



Made of carbon steel. Designed for installation of door locks with a handle bore diameter of 48 and 55 mm and latch diameter of 22 mm. Components: 704939 - core bit 48 mm with a pilot drill bit, twist drill bit 22 mm, 704949 - core bit 54 mm with a pilot drill bit, twist drill bit 22 mm.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 704939 | 22 mm/48 mm   | 60      | 5           |
| 704949 | 22 mm/54 mm   | 60      | 10          |

## Adjustable wood drill bits



Carbon steel drill bit designed for drilling large diameter holes. Cutting plates move along the horizontal guide relative to the drill-core to a distance of 120 mm. Includes a key.

| ITEM   | SPECIFICATION     | PACKAGE | MIN PACKAGE |
|--------|-------------------|---------|-------------|
| 704979 | «pony», 30-120 mm | 60      | 5           |



## Wood burr bit set



Burr bits designed to produce curved holes and recesses in wood. The set includes the most common types of this kind of tool.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 704999 | 5 pcs         | 200     | 1           |

## Masonry drill bits

### Masonry drill bits, triangular shank



The drill bit is equipped with VK8 carbide tip, hardness - 86-89 HRC. The drill body is made of carbon steel. Triangular shank prevents drill turning in a chuck. The drill is intended for hammer drilling hard materials.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 707019 | 4 x 75 mm     | 1200    | 100         |
| 707029 | 5 x 85 mm     | 1200    | 100         |
| 707039 | 5 x 150 mm    | 500     | 100         |
| 707049 | 6 x 100 mm    | 1200    | 10          |
| 707059 | 6 x 150 mm    | 500     | 100         |
| 707079 | 8 x 120 mm    | 400     | 10          |
| 707109 | 10 x 120 mm   | 400     | 100         |
| 707139 | 12 x 150 mm   | 400     | 100         |
| 707069 | 6 x 200 mm    | 400     | 50          |
| 707089 | 8 x 200 mm    | 400     | 10          |
| 707119 | 10 x 200 mm   | 200     | 100         |
| 707149 | 12 x 200 mm   | 200     | 100         |
| 707099 | 8 x 400 mm    | 120     | 60          |
| 707129 | 10 x 400 mm   | 120     | 60          |
| 707159 | 12 x 400 mm   | 100     | 1           |

### Masonry drill bit, easier drilling, triangular shank



The drills have a progressive shape of the plate which facilitates the initial drilling and provides a high performance during operation. Double spiral flute removes the cut material and triangular shank prevents drill from turning in a chuck.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 707209 | 4 x 75 mm     | 1200    | 100         |
| 707219 | 5 x 85 mm     | 1200    | 100         |
| 707229 | 6 x 100 mm    | 1200    | 100         |
| 707239 | 8 x 120 mm    | 400     | 100         |
| 707249 | 10 x 120 mm   | 400     | 100         |
| 707259 | 12 x 150 mm   | 400     | 100         |

## Concrete drill bit set



The set includes the most popular sizes of masonry drill bits of Golden Line series in a plastic case.

| ITEM   | SPECIFICATION               | PACKAGE | MIN PACKAGE |
|--------|-----------------------------|---------|-------------|
| 707309 | 4-5-6-8-10 mm, plastic case | 160     | 80          |

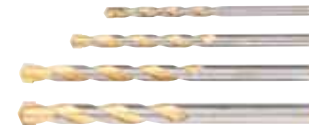
## Concrete drill bits, straight shank, Golden Line series, enhanced dust removal



The carbide material - VK8, hardness - 86-89 HRC. The body is made of 40X steel. Special flute coating Golden Line with reduced friction provides better chip and concrete dust removal, reducing friction and heat of the drill. Aggressive shape of the carbide plate sharpening is perfect for impact drilling.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 708049 | 4 x 75 mm     | 500     | 250         |
| 708059 | 5 x 85 mm     | 500     | 100         |
| 708069 | 6 x 100 mm    | 500     | 250         |
| 708089 | 8 x 120 mm    | 200     | 100         |
| 708109 | 10 x 120 mm   | 200     | 100         |
| 708129 | 12 x 150 mm   | 200     | 100         |

## Concrete drill bit set Golden Line



The set includes the most popular sizes of concrete drill bits Golden Line series.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 708259 | 5-6-8-10 mm   | 100     | 50          |

## Concrete drill bits, straight shank



The drill body is made of carbon steel. Working element of the tool is carbide plate made of VK8 steel with a hardness of up to 86-89 HRC. Intended for drilling concrete and other hard materials. The drill allows you to make perfect, accurate holes for concrete inserts.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 708549 | 4 x 75 mm     | 400     | 100         |
| 708559 | 5 x 85 mm     | 400     | 100         |
| 708569 | 6 x 100 mm    | 400     | 100         |
| 708589 | 8 x 120 mm    | 400     | 100         |
| 708609 | 10 x 120 mm   | 400     | 100         |
| 708629 | 12 x 150 mm   | 400     | 100         |
| 708669 | 6 x 200 mm    | 400     | 100         |
| 708689 | 8 x 200 mm    | 400     | 100         |
| 708709 | 10 x 200 mm   | 200     | 100         |
| 708729 | 12 x 200 mm   | 200     | 100         |
| 708789 | 8 x 400 mm    | 120     | 60          |
| 708809 | 10 x 400 mm   | 120     | 60          |
| 708829 | 12 x 400 mm   | 100     | 1           |
| 708849 | 12 x 600 mm   | 60      | 1           |

## Hammer drill bits

### SDS PLUS masonry hammer drill bits, double spiral



Carbide tip VK8 has a special sharpening and heat-treated up to 86-89 HRC. Designed for hammer drilling. The tool is made of 40Xsteel. The drill with reinforced double-threaded spiral improves drilling and chip removal, reduces the load on the rotary hammer drill. Enlarged cross-section area of the body reduces its vibration amplitude. When working with drill bits longer than 400 mm, an additional pre-drilling with a shorter drill is required. It's necessary to lubricate the shank.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 710019 | 4 x 110 mm    | 240     | 20          |
| 710029 | 5 x 110 mm    | 240     | 20          |
| 710039 | 6 x 110 mm    | 240     | 20          |
| 710059 | 8 x 110 mm    | 240     | 20          |

|        |              |     |    |
|--------|--------------|-----|----|
| 710079 | 10 x 110 mm  | 240 | 20 |
| 710089 | 12 x 110 mm  | 240 | 1  |
| 710139 | 5 x 160 mm   | 240 | 40 |
| 710169 | 6 x 160 mm   | 240 | 20 |
| 710189 | 8 x 160 mm   | 240 | 20 |
| 710229 | 10 x 160 mm  | 240 | 20 |
| 710239 | 12 x 160 mm  | 120 | 20 |
| 710249 | 14 x 160 mm  | 120 | 20 |
| 710289 | 16 x 160 mm  | 120 | 20 |
| 710269 | 6 x 210 mm   | 120 | 20 |
| 710279 | 8 x 210 mm   | 120 | 20 |
| 710299 | 10 x 210 mm  | 120 | 20 |
| 710319 | 12 x 210 mm  | 120 | 20 |
| 710339 | 14 x 210 mm  | 120 | 20 |
| 710349 | 16 x 210 mm  | 120 | 20 |
| 710359 | 18 x 210 mm  | 120 | 20 |
| 710369 | 6 x 300 mm   | 120 | 20 |
| 710389 | 8 x 300 mm   | 120 | 20 |
| 710409 | 10 x 300 mm  | 120 | 20 |
| 710379 | 12 x 300 mm  | 120 | 20 |
| 710399 | 14 x 300 mm  | 120 | 20 |
| 710419 | 16 x 300 mm  | 50  | 10 |
| 709129 | 18 x 300 mm  | 60  | 10 |
| 709149 | 20 x 300 mm  | 30  | 1  |
| 709169 | 22 x 300 mm  | 30  | 1  |
| 709189 | 24 x 300 mm  | 30  | 1  |
| 709229 | 26 x 300 mm  | 20  | 1  |
| 709269 | 28 x 300 mm  | 20  | 5  |
| 709289 | 30 x 300 mm  | 20  | 1  |
| 709329 | 32 x 300 mm  | 20  | 1  |
| 709409 | 8 x 400 mm   | 50  | 1  |
| 709419 | 10 x 400 mm  | 50  | 1  |
| 710429 | 12 x 400 mm  | 50  | 1  |
| 710449 | 14 x 400 mm  | 50  | 1  |
| 710469 | 16 x 400 mm  | 50  | 1  |
| 710489 | 18 x 400 mm  | 50  | 1  |
| 710509 | 20 x 400 mm  | 50  | 1  |
| 710529 | 22 x 400 mm  | 30  | 1  |
| 709429 | 24 x 400 mm  | 20  | 1  |
| 709469 | 26 x 400 mm  | 20  | 1  |
| 709529 | 28 x 400 mm  | 20  | 1  |
| 709549 | 30 x 400 mm  | 20  | 1  |
| 709609 | 32 x 400 mm  | 15  | 1  |
| 710619 | 8 x 600 mm   | 30  | 1  |
| 710629 | 10 x 600 mm  | 30  | 1  |
| 710639 | 12 x 600 mm  | 30  | 1  |
| 710649 | 14 x 600 mm  | 30  | 1  |
| 710669 | 16 x 600 mm  | 30  | 1  |
| 710689 | 18 x 600 mm  | 30  | 1  |
| 710709 | 20 x 600 mm  | 20  | 1  |
| 710729 | 22 x 600 mm  | 20  | 1  |
| 709629 | 24 x 600 mm  | 20  | 1  |
| 709649 | 26 x 600 mm  | 20  | 1  |
| 709669 | 28 x 600 mm  | 15  | 1  |
| 709689 | 30 x 600 mm  | 10  | 1  |
| 709709 | 32 x 600 mm  | 10  | 1  |
| 710829 | 10 x 800 mm  | 20  | 1  |
| 710839 | 12 x 800 mm  | 20  | 1  |
| 710849 | 14 x 800 mm  | 20  | 1  |
| 710869 | 16 x 800 mm  | 20  | 1  |
| 710889 | 18 x 800 mm  | 20  | 1  |
| 710909 | 20 x 800 mm  | 10  | 1  |
| 710929 | 22 x 800 mm  | 10  | 1  |
| 709729 | 24 x 800 mm  | 20  | 1  |
| 709749 | 26 x 800 mm  | 20  | 1  |
| 709769 | 28 x 800 mm  | 100 | 25 |
| 709789 | 30 x 800 mm  | 10  | 1  |
| 709829 | 32 x 800 mm  | 10  | 1  |
| 709739 | 10 x 1000 mm | 20  | 1  |
| 709759 | 12 x 1000 mm | 20  | 1  |
| 709779 | 14 x 1000 mm | 20  | 1  |
| 709799 | 16 x 1000 mm | 20  | 1  |
| 709819 | 18 x 1000 mm | 20  | 1  |
| 709839 | 20 x 1000 mm | 20  | 1  |
| 709849 | 22 x 1000 mm | 20  | 1  |
| 709869 | 24 x 1000 mm | 20  | 1  |
| 709889 | 26 x 1000 mm | 20  | 1  |
| 709909 | 28 x 1000 mm | 12  | 1  |
| 709929 | 30 x 1000 mm | 10  | 1  |
| 709949 | 32 x 1000 mm | 10  | 1  |

## SDS PLUS hammer drill bits, with cruciform base




Distinctive elements of these drills is four-way carbide plate steel BK8, four incisors which avoids jamming when released into the fitting. Four independent grooves better cuttings removal from the cutting zone. Drill body is made of stainless steel and tempered

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 706269 | 6 x 110 mm    | 120     | 240         |
| 706289 | 8 x 110 mm    | 120     | 240         |
| 706309 | 10 x 110 mm   | 120     | 240         |
| 706369 | 6 x 160 mm    | 120     | 240         |
| 706389 | 8 x 160 mm    | 120     | 240         |
| 706409 | 10 x 160 mm   | 120     | 240         |
| 706429 | 12 x 160 mm   | 120     | 240         |
| 706469 | 6 x 210 mm    | 60      | 120         |
| 706489 | 8 x 210 mm    | 60      | 120         |
| 706509 | 10 x 210 mm   | 60      | 120         |
| 706529 | 12 x 210 mm   | 60      | 120         |

## SDS PLUS hammer drill bit set

Masonry drill bits are made of 40X steel. Equipped with VK8 carbide tip with a hardness of up to 86-89 HRC. Designed for hammer drilling. SDS-PLUS Shank.




| ITEM   | SPECIFICATION                                   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 710939 | 5x110, 6x110, 8x160 mm, 3 pcs, in a plastic box | 100     | 25          |
| 710949 | 5-6-8-10x160 mm, 4 pcs, in a plastic box        | 100     | 10          |
| 710959 | 5-6x110, 6-8-10x160 mm, 5 pcs, in a plastic box | 80      | 20          |




| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 710969 | 6-8-10x110, 6-8-10x160 mm, 6 pcs, in a metal box                             | 60      | 9           |
| 710979 | 5-6x110, 8-10-12x160, 14-16x210, 18x300, 20x450 mm, 9 pcs, in a plastic case | 10      | 1           |





| ITEM          | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|---------------|--|---------|-------------|
| <b>710989</b> | 6-8-10x160, 8-10-12x210, 10-12-14x260 mm, 9 pcs, in a plastic case | 10      | 1           |
| <b>710999</b> | 6-8-10x160, 3 pcs, hanger card                                     | 100     | 5           |

### SDS MAX masonry drill bits, enhanced dust removal



The drill bit has a cross carbide tip made of VK8 steel with a hardness of up to 86-89 HRC. Four cutters allow to hold the tool in the hole more accurately, as well as to increase its resistance compared to double cutter bits. At the same time additional cutters have less diameter to avoid jamming. SDS max shank involves the use of heavy rotary hammers, equipped with appropriate chucks. The drills body is made of high quality steel, which after heat treatment is able to withstand extreme dynamic loads during hammer drilling.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>712099</b> | 12 x 300 mm   | 40      | 1           |
| <b>712109</b> | 14 x 300 mm   | 40      | 1           |
| <b>712119</b> | 16 x 300 mm   | 40      | 1           |
| <b>712279</b> | 12 x 400 mm   | 30      | 1           |
| <b>712289</b> | 14 x 400 mm   | 30      | 1           |
| <b>712299</b> | 16 x 400 mm   | 30      | 1           |
| <b>712309</b> | 18 x 400 mm   | 30      | 1           |
| <b>712319</b> | 20 x 400 mm   | 30      | 1           |
| <b>712329</b> | 22 x 400 mm   | 30      | 1           |
| <b>712359</b> | 26 x 400 mm   | 20      | 1           |
| <b>712369</b> | 28 x 400 mm   | 20      | 1           |
| <b>712389</b> | 32 x 400 mm   | 15      | 1           |
| <b>712529</b> | 12 x 600 mm   | 20      | 1           |
| <b>712539</b> | 14 x 600 mm   | 20      | 1           |
| <b>712549</b> | 16 x 600 mm   | 20      | 1           |
| <b>712559</b> | 18 x 600 mm   | 20      | 1           |
| <b>712569</b> | 20 x 600 mm   | 20      | 1           |
| <b>712579</b> | 22 x 600 mm   | 20      | 1           |
| <b>712589</b> | 24 x 600 mm   | 15      | 1           |
| <b>712609</b> | 26 x 600 mm   | 10      | 1           |
| <b>712619</b> | 28 x 600 mm   | 10      | 1           |
| <b>712629</b> | 30 x 600 mm   | 10      | 1           |
| <b>712639</b> | 32 x 600 mm   | 10      | 1           |
| <b>712649</b> | 35 x 600 mm   | 10      | 1           |
| <b>712689</b> | 16 x 800 mm   | 20      | 1           |
| <b>712699</b> | 18 x 800 mm   | 20      | 1           |
| <b>712709</b> | 20 x 800 mm   | 20      | 1           |
| <b>712719</b> | 22 x 800 mm   | 15      | 1           |
| <b>712729</b> | 24 x 800 mm   | 15      | 1           |
| <b>712749</b> | 26 x 800 mm   | 15      | 1           |
| <b>712759</b> | 28 x 800 mm   | 10      | 1           |
| <b>712769</b> | 30 x 800 mm   | 10      | 1           |
| <b>712779</b> | 32 x 800 mm   | 10      | 1           |
| <b>712789</b> | 35 x 800 mm   | 10      | 1           |
| <b>712859</b> | 32 x 920 mm   | 8       | 1           |
| <b>712869</b> | 35 x 920 mm   | 5       | 1           |
| <b>712879</b> | 40 x 920 mm   | 5       | 1           |
| <b>712899</b> | 22 x 1000 mm  | 5       | 1           |
| <b>712909</b> | 24 x 1000 mm  | 10      | 1           |
| <b>712929</b> | 26 x 1000 mm  | 10      | 1           |
| <b>712939</b> | 28 x 1000 mm  | 5       | 1           |
| <b>712949</b> | 30 x 1000 mm  | 5       | 1           |
| <b>712959</b> | 32 x 1000 mm  | 5       | 1           |
| <b>712969</b> | 35 x 1000 mm  | 5       | 1           |

## Accessories for rotary hammer drill

### SDS PLUS channel chisel



Made of stainless steel 40X and heat-treated. Optimal combination of sharpening corners of the cutting surface. The cutting edge is self sharpened during operation. Used with hammer drill bit without rotation to remove the old plaster, ceramic tiles from the walls.

| ITEM          | SPECIFICATION    | PACKAGE | MIN PACKAGE |
|---------------|------------------|---------|-------------|
| <b>703019</b> | 14 x 22 x 250 mm | 50      | 10          |

### SDS PLUS flat chisels



Made of 40X stainless steel and heat-treated. Optimal combination of sharpening corners of the cutting surface. The cutting edge is self sharpened during operation. Used with hammer drill bit without rotation to remove the old plaster, ceramic tiles from the walls.

| ITEM          | SPECIFICATION           | PACKAGE | MIN PACKAGE |
|---------------|-------------------------|---------|-------------|
| <b>703109</b> | spade, 14 x 40 x 250 mm | 50      | 10          |
| <b>703119</b> | spade, 14 x 40 x 400 mm | 40      | 1           |
| <b>703129</b> | spade, 14 x 40 x 600 mm | 30      | 1           |



Made of 40X stainless steel and heat-treated. Bent up shape allows to remove ceramic tiles and other decorative materials from walls and floors more efficiently.

| ITEM          | SPECIFICATION                           | PACKAGE | MIN PACKAGE |
|---------------|---|---------|-------------|
| <b>703159</b> | 14 x 40 x 250 mm, bent for tile removal | 50      | 1           |



Made of stainless steel 40X and heat-treated. Optimal combination of sharpening angles of the cutting surface. The cutting edge is self sharpened during operation. Used with hammer drill bit in a hammer mode for wall chasing in concrete, stone, brick.

| ITEM          | SPECIFICATION    | PACKAGE | MIN PACKAGE |
|---------------|------------------|---------|-------------|
| <b>703209</b> | 14 x 20 x 250 mm | 75      | 1           |
| <b>703219</b> | 14 x 20 x 400 mm | 40      | 1           |
| <b>703239</b> | 14 x 20 x 600 mm | 30      | 1           |

### SDS PLUS pointed chisel



Chisels are made of 40X stainless steel. Have SDS-PLUS shank. Used for dismantling of reinforced concrete, punching and wall chasing in concrete. Used in a hammer mode, without rotation.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>703409</b> | 14 x 250 mm   | 75      | 1           |
| <b>703259</b> | 14 x 400 mm   | 40      | 1           |
| <b>703279</b> | 14 x 600 mm   | 30      | 1           |

### SDS MAX flat chisels



SDS-MAX chisel is made of stainless steel 40X and tempered, that gives it better durability and resistance. Optimal combination of sharpening corners of the cutting surface. Used with hammer drill bit in an impact mode without rotation to remove the old plaster, ceramic tiles from the walls.

| ITEM          | SPECIFICATION    | PACKAGE | MIN PACKAGE |
|---------------|------------------|---------|-------------|
| <b>703419</b> | 18 x 25 x 280 mm | 50      | 1           |
| <b>703429</b> | 18 x 25 x 400 mm | 30      | 1           |
| <b>703439</b> | 18 x 25 x 600 mm | 20      | 1           |

mtx



| ITEM   | SPECIFICATION           | PACKAGE | MIN PACKAGE |
|--------|-------------------------|---------|-------------|
| 703449 | spade, 25 x 50 x 360 mm | 20      | 1           |

## SDS MAX channeling chisels

mtx



SDS-MAX channeling chisels are made of 40X stainless steel and heat-treated. Optimized sharpening angles of cutting surfaces allow more effective wall chasing. The cutting edge is self-sharpened during operation. Used with hammer drill bit in impact mode without rotation for the production of narrow channels in concrete, stone, brick, and etc.

| ITEM   | SPECIFICATION             | PACKAGE | MIN PACKAGE |
|--------|---------------------------|---------|-------------|
| 703459 | 18 x 25 x 320 mm, SDS MAX | 36      | 6           |

## SDS MAX pointed chisels

mtx



SDS-MAX pointed chisels are made of 40X steel and heat-treated. Designed for disassembling, punching and wall chasing in concrete. Used in impact mode without rotation.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 703469 | 18 x 280 mm   | 50      | 1           |
| 703479 | 18 x 400 mm   | 30      | 1           |
| 703489 | 18 x 600 mm   | 20      | 1           |

## SDS PLUS assembled core bits

mtx



Tungsten carbide teeth made of VK8 hard alloy. The core bit body is made of carbon steel. SDS-PLUS shank. Thread joint between the core bit and the shank. There is a spiral flute on the external side of the core bit to improve the output of waste drilling products and reduce the load on the rotary hammer drill.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 703299 | M22 x 68 mm   | 24      | 1           |
| 703309 | M22 x 65 mm   | 24      | 1           |
| 703319 | M22 x 80 mm   | 20      | 1           |

## Center tip drill bits for core bits

mtx



The shank is made of carbon steel and has SDS-PLUS shape. Used with rotary hammer drills. Intended for fastening the center drill bit and allows you to increase the depth of core drilling in concrete.

| ITEM   | SPECIFICATION                | PACKAGE | MIN PACKAGE |
|--------|------------------------------|---------|-------------|
| 703389 | shank M22 x 250 mm, SDS PLUS | 30      | 1           |

mtx



The shank is made of carbon steel and has SDS-MAX shape. Used with rotary hammer drills. Intended for fastening the center drill bit and allows you to increase the depth of core drilling in concrete.

| ITEM   | SPECIFICATION               | PACKAGE | MIN PACKAGE |
|--------|-----------------------------|---------|-------------|
| 703399 | shank M22 x 350 mm, SDS MAX | 30      | 1           |

## SDS PLUS adapters for drill chuck

mtx



Made of carbon steel and heat-treated. Designed for use with straight shank drills with SDS-PLUS rotary drills

| ITEM   | SPECIFICATION            | PACKAGE | MIN PACKAGE |
|--------|--------------------------|---------|-------------|
| 703569 | for 1/2" thread          | 500     | 1           |
| 703579 | for M12 x 1,25 mm thread | 500     | 1           |

## Metal drill bits

### Metal drill bits, HSS P6M5K5 (cobalt 5%), straight shank

mtx



The drills are made by means of profile grinding, have a bit enlarged core that allows the tool to withstand heavy loads when drilling hard materials. Transverse cutting edges removed by drill web thinning that simplifies drilling process, and split point enables effortless drilling. Made of cobalt steel, which imparts an additional tool hardness and heat resistance. Raise requirements on accuracy and quality production applied to this instrument, thus the drills are suitable for professional use.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 714029 | 2 mm, 2 pcs   | 500     | 125         |
| 714069 | 2,5 mm, 2 pcs | 500     | 125         |
| 714119 | 3 mm, 2 pcs   | 500     | 125         |
| 714129 | 3,2 mm, 2 pcs | 500     | 125         |
| 714169 | 3,3 mm, 2 pcs | 500     | 125         |
| 714179 | 3,5 mm, 2 pcs | 500     | 125         |
| 714199 | 4 mm, 1 pc    | 500     | 125         |
| 714229 | 4,5 mm, 1 pc  | 480     | 120         |
| 714239 | 4,8 mm, 1 pc  | 480     | 120         |
| 714269 | 5 mm, 1 pc    | 480     | 120         |
| 714299 | 5,5 mm, 1 pc  | 480     | 120         |
| 714369 | 6 mm, 1 pc    | 480     | 120         |
| 714399 | 6,5 mm, 1 pc  | 480     | 120         |
| 714479 | 7 mm, 1 pc    | 300     | 75          |
| 714539 | 7,5 mm, 1 pc  | 300     | 75          |
| 714589 | 8 mm, 1 pc    | 300     | 75          |
| 714699 | 9 mm, 1 pc    | 300     | 75          |
| 714729 | 10 mm, 1 pc   | 200     | 50          |
| 714829 | 12 mm, 1 pc   | 200     | 50          |

### HSS Metal drill bits, polished, ground profile, straight shank

mtx



Made of R4M4H2 tool carbon steel. Cutting edge hardness - 62-65 HRC. Designed for drilling holes in metal. Cutting angle - 118 degrees. There are two narrow cylindrical ribbons at the edges of spiral flutes of the drill. The drill has a so-called reverse taper: the diameter of its sizing part decreases from the cutting part towards the shank.

| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 715109 | 1,0 mm, 10 pcs | 400     | 10          |
| 715159 | 1,5 mm, 10 pcs | 400     | 1           |
| 715209 | 2,0 mm, 10 pcs | 400     | 1           |
| 715219 | 2,1 mm, 10 pcs | 400     | 20          |
| 715229 | 2,2 mm, 10 pcs | 400     | 20          |
| 715239 | 2,3 mm, 10 pcs | 400     | 20          |
| 715249 | 2,4 mm, 10 pcs | 400     | 10          |
| 715259 | 2,5 mm, 10 pcs | 400     | 20          |
| 715269 | 2,6 mm, 10 pcs | 400     | 1           |
| 715279 | 2,7 mm, 10 pcs | 400     | 20          |
| 715289 | 2,8 mm, 10 pcs | 400     | 10          |
| 715299 | 2,9 mm, 10 pcs | 400     | 20          |



|        |                 |     |    |
|--------|-----------------|-----|----|
| 715309 | 3,0 mm, 10 pcs  | 400 | 20 |
| 715319 | 3,1 mm, 10 pcs  | 400 | 20 |
| 715329 | 3,2 mm, 10 pcs  | 400 | 10 |
| 715339 | 3,3 mm, 10 pcs  | 400 | 20 |
| 715349 | 3,4 mm, 10 pcs  | 400 | 10 |
| 715359 | 3,5 mm, 10 pcs  | 400 | 10 |
| 715369 | 3,6 mm, 10 pcs  | 400 | 40 |
| 715379 | 3,7 mm, 10 pcs  | 400 | 10 |
| 715389 | 3,8 mm, 10 pcs  | 400 | 10 |
| 715399 | 3,9 mm, 10 pcs  | 400 | 10 |
| 715409 | 4,0 mm, 10 pcs  | 400 | 10 |
| 715419 | 4,1 mm, 10 pcs  | 400 | 10 |
| 715429 | 4,2 mm, 10 pcs  | 400 | 10 |
| 715439 | 4,3 mm, 10 pcs  | 240 | 10 |
| 715449 | 4,4 mm, 10 pcs  | 240 | 10 |
| 715459 | 4,5 mm, 10 pcs  | 240 | 10 |
| 715469 | 4,6 mm, 10 pcs  | 240 | 10 |
| 715479 | 4,7 mm, 10 pcs  | 240 | 10 |
| 715489 | 4,8 mm, 10 pcs  | 240 | 10 |
| 715499 | 4,9 mm, 10 pcs  | 240 | 10 |
| 715509 | 5,0 mm, 10 pcs  | 240 | 10 |
| 715519 | 5,1 mm, 10 pcs  | 240 | 10 |
| 715529 | 5,2 mm, 10 pcs  | 240 | 10 |
| 715539 | 5,3 mm, 10 pcs  | 240 | 10 |
| 715559 | 5,5 mm, 10 pcs  | 240 | 10 |
| 715569 | 5,6 mm, 10 pcs  | 240 | 10 |
| 715579 | 5,7 mm, 10 pcs  | 240 | 10 |
| 715589 | 5,8 mm, 10 pcs  | 240 | 10 |
| 715599 | 5,9 mm, 10 pcs  | 240 | 10 |
| 715609 | 6,0 mm, 10 pcs  | 200 | 10 |
| 715619 | 6,1 mm, 10 pcs  | 200 | 5  |
| 715629 | 6,2 mm, 10 pcs  | 200 | 5  |
| 715639 | 6,3 mm, 10 pcs  | 200 | 5  |
| 715649 | 6,4 mm, 10 pcs  | 200 | 5  |
| 715659 | 6,5 mm, 10 pcs  | 200 | 20 |
| 715679 | 6,7 mm, 10 pcs  | 200 | 10 |
| 715689 | 6,8 mm, 10 pcs  | 200 | 10 |
| 715709 | 7,0 mm, 10 pcs  | 120 | 5  |
| 715759 | 7,5 mm, 10 pcs  | 120 | 12 |
| 715809 | 8,0 mm, 10 pcs  | 120 | 12 |
| 715819 | 8,1 mm, 10 pcs  | 60  | 12 |
| 715829 | 8,2 mm, 10 pcs  | 120 | 12 |
| 715859 | 8,5 mm, 10 pcs  | 60  | 5  |
| 715909 | 9,0 mm, 10 pcs  | 60  | 10 |
| 715959 | 9,5 mm, 10 pcs  | 60  | 1  |
| 715999 | 10,0 mm, 10 pcs | 60  | 5  |
| 720109 | 11,0 mm, 5 pcs  | 60  | 10 |
| 720159 | 11,5 mm, 5 pcs  | 60  | 10 |
| 720209 | 12,0 mm, 5 pcs  | 60  | 10 |
| 720259 | 12,5 mm, 5 pcs  | 60  | 10 |
| 720309 | 13,0 mm, 5 pcs  | 60  | 10 |
| 720359 | 13,5 mm, 5 pcs  | 60  | 5  |
| 720409 | 14,0 mm, 5 pcs  | 20  | 5  |
| 720459 | 14,5 mm, 5 pcs  | 20  | 1  |
| 720509 | 15,0 mm, 5 pcs  | 20  | 5  |
| 720559 | 15,5 mm, 5 pcs  | 20  | 10 |
| 720609 | 16,0 mm, 5 pcs  | 20  | 2  |
| 720659 | 16,5 mm, 5 pcs  | 20  | 2  |
| 720709 | 17,0 mm, 5 pcs  | 20  | 5  |
| 720809 | 18,0 mm, 5 pcs  | 20  | 2  |
| 720859 | 18,5 mm, 5 pcs  | 20  | 2  |
| 720909 | 19,0 mm, 5 pcs  | 20  | 5  |
| 720959 | 19,5 mm, 5 pcs  | 20  | 5  |
| 720999 | 20,0 mm, 5 pcs  | 20  | 5  |

### HSS metal drill bits, titanium nitride coating, straight shank



Made of tool carbon steel R4M4H2. Cutting edge hardness 62-65 HRc. The drill surface of Ti alloy that significantly improves performance of metal drills (titanium nitride coating increases the tool resistance by 2-2.5 times).

| ITEM    | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------|---------------|---------|-------------|
| 7172009 | 2,0 mm, 1 pc  | 600     | 1           |
| 7172509 | 2,5 mm, 1 pc  | 600     | 1           |

|         |               |     |     |
|---------|---------------|-----|-----|
| 7173009 | 3,0 mm, 1 pc  | 600 | 150 |
| 7173209 | 3,2 mm, 1 pc  | 600 | 150 |
| 7173309 | 3,3 mm, 1 pc  | 600 | 150 |
| 7173509 | 3,5 mm, 1 pc  | 600 | 150 |
| 7174009 | 4,0 mm, 1 pc  | 600 | 150 |
| 7174509 | 4,5 mm, 1 pc  | 600 | 150 |
| 7174809 | 4,8 mm, 1 pc  | 600 | 150 |
| 7175009 | 5,0 mm, 1 pc  | 600 | 150 |
| 7175509 | 5,5 mm, 1 pc  | 600 | 150 |
| 7176009 | 6,0 mm, 1 pc  | 600 | 150 |
| 7176509 | 6,5 mm, 1 pc  | 600 | 150 |
| 7177009 | 7,0 mm, 1 pc  | 400 | 50  |
| 7177509 | 7,5 mm, 1 pc  | 400 | 100 |
| 7178009 | 8,0 mm, 1 pc  | 400 | 100 |
| 7179009 | 9,0 mm, 1 pc  | 200 | 50  |
| 7179509 | 10,0 mm, 1 pc | 200 | 50  |
| 7179809 | 12,0 mm, 1 pc | 200 | 50  |

### HSS metal drill bits, titanium nitride coating, hex shank



Metal drill bits are made of R4M4H2 tool carbon steel. Cutting edge hardness - 62-65 HRc. The drill surface of Ti alloy that significantly improves the performance of metal drills (titanium nitride coating increases the tool resistance by 2-2.5 times). Hex shank prevents drill turning in a chuck.

| ITEM    | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------|---------------|---------|-------------|
| 7172029 | 2,0 mm, 1 pc  | 400     | 150         |
| 7172529 | 2,5 mm, 1 pc  | 600     | 150         |
| 7173029 | 3,0 mm, 1 pc  | 600     | 150         |
| 7173229 | 3,2 mm, 1 pc  | 600     | 150         |
| 7173329 | 3,3 mm, 1 pc  | 600     | 150         |
| 7173529 | 3,5 mm, 1 pc  | 600     | 150         |
| 7174029 | 4,0 mm, 1 pc  | 600     | 150         |
| 7174529 | 4,5 mm, 1 pc  | 600     | 150         |
| 7174829 | 4,8 mm, 1 pc  | 400     | 100         |
| 7175029 | 5,0 mm, 1 pc  | 400     | 100         |
| 7175529 | 5,5 mm, 1 pc  | 400     | 100         |
| 7176029 | 6,0 mm, 1 pc  | 400     | 100         |
| 7176529 | 6,5 mm, 1 pc  | 400     | 100         |
| 7177029 | 7,0 mm, 1 pc  | 400     | 100         |
| 7177529 | 7,5 mm, 1 pc  | 400     | 100         |
| 7178029 | 8,0 mm, 1 pc  | 400     | 100         |
| 7178529 | 8,5 mm, 1 pc  | 400     | 100         |
| 7179029 | 9,0 mm, 1 pc  | 200     | 50          |
| 7179529 | 10,0 mm, 1 pc | 200     | 50          |

Metal drill bits are made of R4M4X2 HSS steel and have TiN coating. Cutting edge hardness - 62-65 HRc. The drill surface has a high hardness and reduced coefficient of friction, which significantly improves performance (titanium nitride coating increases the tool resistance by 2-2.5 times). Hex shank prevents drill turning a chuck. The set includes metal drill bits of the most popular sizes



| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 723839 | 3-4-5-6-8 mm, HSS, 5 pcs, TiN coating, in a plastic box | 80      | 5           |



| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 723869 | 1,5-6,5 mm (over 0,5 mm + 3,2 mm; 4,8 mm), HSS, 13 pcs, TiN coating, in a metal box | 50      | 10          |



| ITEM          | SPECIFICATION                                      | PACKAGE | MIN PACKAGE |
|---------------|--|---------|-------------|
| <b>723879</b> | 2–8 mm (over 0,5 mm), HSS, 13 pcs, in a metal box  | 30      | 10          |
| <b>723889</b> | 1–10 mm (over 0,5 mm), HSS, 19 pcs, in a metal box | 20      | 5           |

## Bi-METAL core bits



Core bits are made of carbon steel and the cutting part of high speed steel with a hardness of up to 60-64 HRC. Modern design obtained by means of high-tech welding provides a higher life time and increases the tooth breakage resistance. Designed for drilling holes in ferrous and non-ferrous metals, plastics and other materials. Used with the shank (item 724909, 794929, 724949, 7294969).

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>724149</b> | 14 mm         | 100     | 50          |
| <b>724169</b> | 16 mm         | 100     | 50          |
| <b>724199</b> | 19 mm         | 100     | 50          |
| <b>724209</b> | 20 mm         | 100     | 50          |
| <b>724229</b> | 22 mm         | 100     | 50          |
| <b>724259</b> | 25 mm         | 100     | 50          |
| <b>724299</b> | 29 mm         | 100     | 50          |
| <b>724309</b> | 30 mm         | 100     | 50          |
| <b>724329</b> | 32 mm         | 100     | 50          |
| <b>724339</b> | 33 mm         | 100     | 50          |
| <b>724359</b> | 35 mm         | 100     | 50          |
| <b>724389</b> | 38 mm         | 100     | 25          |
| <b>724409</b> | 40 mm         | 100     | 50          |
| <b>724419</b> | 41 mm         | 100     | 50          |
| <b>724449</b> | 44 mm         | 100     | 50          |
| <b>724489</b> | 48 mm         | 100     | 50          |
| <b>724519</b> | 51 mm         | 100     | 50          |
| <b>724549</b> | 54 mm         | 100     | 50          |
| <b>724579</b> | 57 mm         | 100     | 25          |
| <b>724609</b> | 60 mm         | 100     | 50          |
| <b>724649</b> | 64 mm         | 100     | 50          |
| <b>724679</b> | 67 mm         | 50      | 10          |
| <b>724689</b> | 68 mm         | 40      | 1           |
| <b>724709</b> | 70 mm         | 50      | 10          |
| <b>724739</b> | 73 mm         | 50      | 10          |
| <b>724769</b> | 76 mm         | 50      | 10          |
| <b>724789</b> | 78 mm         | 50      | 10          |
| <b>724809</b> | 80 mm         | 50      | 10          |
| <b>724839</b> | 83 mm         | 50      | 1           |
| <b>724869</b> | 86 mm         | 40      | 10          |
| <b>724899</b> | 89 mm         | 40      | 1           |
| <b>724919</b> | 102 mm        | 40      | 10          |
| <b>724939</b> | 105 mm        | 20      | 10          |
| <b>724959</b> | 114 mm        | 20      | 10          |
| <b>724979</b> | 121 mm        | 20      | 10          |
| <b>724989</b> | 127 mm        | 20      | 10          |
| <b>724999</b> | 140 mm        | 20      | 10          |

## SDS PLUS shanks for BI-METAL core bits

The shank is used with MTX bi-metal core bits, diameter from 14 mm to 83 mm (item 724149-724839). Pilot drill provides pre-drilling and precision drilling by the core bit.



| ITEM          | SPECIFICATION             | PACKAGE | MIN PACKAGE |
|---------------|---------------------------|---------|-------------|
| <b>724909</b> | for core bits up to 30 mm | 200     | 10          |
| <b>724929</b> | for core bits over 30 mm  | 60      | 10          |

## Hex shanks for BI-METAL core bits



| ITEM          | SPECIFICATION             | PACKAGE | MIN PACKAGE |
|---------------|---------------------------|---------|-------------|
| <b>724949</b> | for core bits up to 30 mm | 100     | 10          |
| <b>724969</b> | for core bits over 30 mm  | 60      | 10          |

## Drill bit sets, combined



Combined set of drills designed for domestic use. The set includes the most common sizes of drills and bits. Masonry drills are made of carbon steel with carbide tip VK8. Drill bits for metal are made of high speed steel (HSS). Wood drills are made of carbon steel. Bits are made of chrome-vanadium steel. Tools are packed in a plastic case.

| ITEM          | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|---------------|---|---------|-------------|
| <b>725779</b> | masonry 4–5–6–8–10 mm, metal 2–3–4–5–6–8–10 mm, wood 4–5–6–8–10 mm, expansion bolts, 300 pcs. | 20      | 1           |

## Glass and tile drill bits

### Glass drill bits with diamond coating, triangular shank



Designed for drilling holes in glass. The drills are made of stainless steel. Working edge has a diamond coating which provides high efficiency and precision cutting. Compensatory cuts in the body of the drill prevent body from bending when heating and allow to improve the removal of sludge from the cutting zone. For efficient operation of the drill it is necessary to provide the water inlet.

| ITEM          | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|---------------|-----------------|---------|-------------|
| <b>726069</b> | 6x67 mm, 2 pcs  | 360     | 60          |
| <b>726089</b> | 8x67 mm, 2 pcs  | 360     | 1           |
| <b>726109</b> | 10x67 mm, 2 pcs | 360     | 60          |
| <b>726129</b> | 12x67 mm, 2 pcs | 180     | 60          |
| <b>726149</b> | 14x67 mm        | 240     | 40          |
| <b>726169</b> | 16x67 mm        | 240     | 40          |
| <b>726189</b> | 18x67 mm        | 240     | 40          |
| <b>726209</b> | 20x67 mm        | 240     | 60          |
| <b>726229</b> | 22x67 mm        | 180     | 30          |
| <b>726259</b> | 25x67 mm        | 180     | 30          |
| <b>726289</b> | 28x67 mm        | 96      | 16          |
| <b>726309</b> | 30x67 mm        | 96      | 16          |



|        |            |     |    |
|--------|------------|-----|----|
| 726329 | 32 x 67 mm | 108 | 18 |
| 726359 | 35 x 67 mm | 108 | 18 |
| 726389 | 38 x 67 mm | 108 | 18 |
| 726409 | 40 x 67 mm | 108 | 18 |
| 726459 | 45 x 67 mm | 108 | 18 |
| 726509 | 50 x 67 mm | 36  | 6  |
| 726559 | 55 x 67 mm | 36  | 6  |
| 726609 | 60 x 67 mm | 36  | 6  |
| 726659 | 65 x 67 mm | 36  | 6  |

### Tile drill bits, straight shank



Designed for drilling holes in ceramic tile and glass. The body of the drill is made of carbon steel, has an insert of carbide plate 86-91 HRC.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 728139 | 3 mm          | 500     | 100         |
| 728149 | 4 mm          | 500     | 100         |
| 728159 | 5 mm          | 500     | 100         |
| 728169 | 6 mm          | 500     | 100         |
| 728189 | 8 mm          | 500     | 100         |
| 728209 | 10 mm         | 500     | 100         |
| 728229 | 12 mm         | 300     | 60          |

### Tile drill bit set



The set includes the most common and popular sizes of drill bits for ceramic tile. Hex shank allows you to use the tool with both: drill and screwdriving machine.

| ITEM   | SPECIFICATION       | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 728259 | 5–6–8 mm, hex shank | 200     | 50          |

### Multi-purpose drill-cutters, TiN coating, straight shank



Universal drill-cutter is made of R4M4H2 tool alloy steel, has TiN coating, which increases the life time of the drill. The drill is a multi-functional one, allowing you to make drilling and subsequent milling of sheet materials (metal, plastic, wood, plywood, etc.).

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 728269 | 6 mm          | 500     | 100         |
| 728289 | 8 mm          | 500     | 100         |

### Tungsten carbide tile hole saw



Hole saws are made of carbon steel. There is a tungsten carbide coating on the cutting edge of the core bit which provides accurate and neat hole in brittle materials.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 728469 | 33 mm         | 100     | 1           |
| 728489 | 53 mm         | 100     | 1           |
| 728529 | 67 mm         | 50      | 1           |
| 728549 | 73 mm         | 50      | 1           |
| 728569 | 83 mm         | 50      | 1           |

### Tungsten carbide tile hole saw set, hex shank



Hole saws are made of carbon steel. There is a tungsten carbide coating on the cutting edge of the core bit which provides accurate and neat hole in brittle materials. The diameter of the core bits - 33, 53, 67, 73 mm. The set is intended for use with ceramic tiles. The set includes a holder for hole saws with a maximum diameter of up to 83 mm and a pilot drill bit. For easy storage and transportation the set is packed in a case.

| ITEM   | SPECIFICATION                  | PACKAGE | MIN PACKAGE |
|--------|--------------------------------|---------|-------------|
| 728409 | 33–53–67–73 mm                 | 20      | 1           |
| 728429 | 33–53–67–73–83 mm, plastic box | 10      | 1           |

### Holders and centering bits for hole saws with carbide coating



The holder is used for fast and reliable retention of the hole saw. It is used for hole saws 33, 43, 53, 63, 67, 73, 83, 103 mm (item 728469, 728489, 728529, 728549, 728569).

| ITEM   | SPECIFICATION                                   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 728609 | holder fo hole saws 33–43–53–63–67–73–83–103 mm | 50      | 1           |



Designed for pre-drilling of a pilot bore for hole saws.

| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 728629 | Centering drill bit, 10 mm, for hole saws, hex shank | 125     | 25          |

### Diamond cup wheels

#### Diamond grinding cup wheels



Designed for grinding and polishing of concrete, marble, granite. Synthetic diamonds of high strength provide high performance.

| ITEM   | SPECIFICATION      | PACKAGE | MIN PACKAGE |
|--------|--------------------|---------|-------------|
| 729859 | 125 mm, single row | 40      | 10          |






Designed for sanding and grinding concrete, marble, granite. Two-row segmented working surface of synthetic diamonds provides fast stripping of the treated material.

| ITEM          | SPECIFICATION      | PACKAGE | MIN PACKAGE |
|---------------|--------------------|---------|-------------|
| <b>729809</b> | 115 mm, double row | 40      | 10          |
| <b>729909</b> | 125 mm, double row | 40      | 1           |
| <b>729969</b> | 150 mm, double row | 20      | 10          |
| <b>729989</b> | 180 mm, double row | 20      | 10          |




Intended for sanding and grinding concrete, marble, granite. Turbo-segmented working surface of synthetic diamonds provides of the treated material.

| ITEM          | SPECIFICATION         | PACKAGE | MIN PACKAGE |
|---------------|-----------------------|---------|-------------|
| <b>729889</b> | 125 mm, turbo-segment | 40      | 10          |




Diamond cup wheel is designed for sanding and grinding concrete, marble, granite. Turbo type working surface of synthetic diamonds provides fast stripping of the treated material.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>729959</b> | 125 mm, Turbo | 40      | 10          |
| <b>729979</b> | 150 mm, Turbo | 20      | 10          |
| <b>729999</b> | 180 mm, Turbo | 20      | 10          |

## Discs

### Diamond cutting discs solid, dry cutting




This form of diamond layer disc allows dry cut for most of ceramic finishing materials. During cutting the ceramic material to prevent fracture, really important to observe particularly the cutting conditions and do not use a large loads.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>731229</b> | 115 x 22,2 mm | 10      | 100         |
| <b>731249</b> | 125 x 22,2 mm | 10      | 100         |
| <b>731289</b> | 180 x 22,2 mm | 10      | 50          |
| <b>731369</b> | 230 x 22,2 mm | 5       | 25          |

### Diamond cutting discs turbo-segment, dry cutting




The disc is used for high-performance dry cutting concrete, stone, brick. Grooves on the side surfaces of the cutting segments reduce friction and better endure cut material. Increased height diamond layer significantly prolongs the life of the disk.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>731409</b> | 115 x 22,2 mm | 10      | 100         |
| <b>731429</b> | 125 x 22,2 mm | 10      | 100         |
| <b>731469</b> | 180 x 22,2 mm | 10      | 50          |
| <b>731509</b> | 230 x 22,2 mm | 5       | 25          |

### Segmented diamond cutting discs, with protective sectors, dry cutting




Disc protective sectors protect the cutting layer from the side wear. The wheels are characterized by high diamond concentration, improved quality of diamond grains and optimized MTX metal. These advantages provide enhanced performance and bigger life time.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>731529</b> | 115 x 22,2 mm | 100     | 10          |
| <b>731539</b> | 125 x 22,2 mm | 100     | 10          |
| <b>731549</b> | 150 x 22,2 mm | 50      | 25          |
| <b>731559</b> | 180 x 22,2 mm | 50      | 10          |
| <b>731579</b> | 230 x 22,2 mm | 25      | 5           |



## Segmented diamond cutting discs, dry cutting



Long operating life time provided by a high concentration of diamond powder and optimized MTX metal. Due to the "slots" segments in the wheel processing is carried out with effective discharge of cutting waste products. The disc is used for dry cutting of concrete, reinforced concrete, marble.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>731729</b> | 115 x 22,2 mm | 100     | 10          |
| <b>731739</b> | 125 x 22,2 mm | 100     | 10          |
| <b>731749</b> | 150 x 22,2 mm | 50      | 10          |
| <b>731759</b> | 180 x 22,2 mm | 50      | 10          |
| <b>731769</b> | 200 x 22,2 mm | 50      | 10          |
| <b>731779</b> | 230 x 22,2 mm | 25      | 5           |

## Turbo diamond cutting discs, dry cutting



Wavy shape of metal base is the most efficient one and provides the quickest possible removal of sawing waste products, improved cooling and reduced load on the angle grinder. The disc is used for dry cutting of concrete, reinforced concrete and marble.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>731789</b> | 115 x 22,2 mm | 100     | 10          |
| <b>731799</b> | 125 x 22,2 mm | 100     | 10          |
| <b>731809</b> | 150 x 22,2 mm | 50      | 10          |
| <b>731819</b> | 180 x 22,2 mm | 50      | 10          |
| <b>731829</b> | 200 x 22,2 mm | 50      | 10          |
| <b>731839</b> | 230 x 22,2 mm | 25      | 5           |

## Continuous diamond cutting discs, wet cutting



Long operating life time is provided by an appropriate size of diamond grain and optimised MTX metal. The wheel is used for wet cutting of ceramic tile. Wheels with a bore diameter of 25.4 mm are suitable for most popular models of water cooled electric tile cutters.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>731849</b> | 115 x 22,2 mm | 100     | 10          |
| <b>731859</b> | 125 x 22,2 mm | 100     | 10          |

|               |               |    |    |
|---------------|---------------|----|----|
| <b>731869</b> | 150 x 22,2 mm | 50 | 10 |
| <b>731879</b> | 180 x 22,2 mm | 50 | 10 |
| <b>731889</b> | 180 x 25,4 mm | 50 | 10 |
| <b>731899</b> | 200 x 22,2 mm | 50 | 10 |
| <b>731909</b> | 200 x 25,4 mm | 50 | 10 |
| <b>731919</b> | 230 x 22,2 mm | 25 | 5  |
| <b>731929</b> | 230 x 25,4 mm | 25 | 5  |

## Turbo Extra diamond cutting discs, dry cutting



The discs have more frequent turbo segments for better waste products removal and cooling of the cutting layer. The discs are characterized by high diamond concentration, improved quality of diamond grains and optimised MTX metal. These advantages provide enhanced performance and better life time.

| ITEM          | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------------|---------------|---------|-------------|
| <b>731939</b> | 115 x 22,2 mm | 100     | 10          |
| <b>731949</b> | 125 x 22,2 mm | 100     | 10          |
| <b>731959</b> | 150 x 22,2 mm | 50      | 10          |
| <b>731969</b> | 180 x 22,2 mm | 50      | 5           |
| <b>731989</b> | 230 x 22,2 mm | 25      | 5           |

## Wood saw blades

### Wood saw blades, bore diameter 20 mm + ring 16/20

Special sharpening pattern of carbide teeth (VK4) provides quality wood sawing. Compensatory slots reduce vibration, suppress noise and prevent the blade from bending when heated. Adapter rings included in the set allow to use saw blades with saws of different bore diameter.



| ITEM          | SPECIFICATION    | PACKAGE | MIN PACKAGE |
|---------------|------------------|---------|-------------|
| <b>732029</b> | 130 mm, 24 teeth | 100     | 10          |
| <b>732039</b> | 130 mm, 36 teeth | 100     | 10          |
| <b>732109</b> | 140 mm, 20 teeth | 100     | 10          |
| <b>732729</b> | 150 mm, 24teeth  | 100     | 10          |
| <b>732159</b> | 150 mm, 36 teeth | 100     | 10          |
| <b>732169</b> | 150 mm, 48 teeth | 100     | 10          |
| <b>732119</b> | 160 mm, 24 teeth | 100     | 10          |
| <b>732769</b> | 160 mm, 36 teeth | 100     | 10          |
| <b>732129</b> | 160 mm, 48 teeth | 100     | 10          |
| <b>732219</b> | 165 mm, 24 teeth | 100     | 10          |
| <b>732239</b> | 185 mm, 24 teeth | 50      | 10          |
| <b>732789</b> | 185 mm, 36 teeth | 50      | 25          |
| <b>732139</b> | 190 mm, 24 teeth | 50      | 10          |
| <b>732799</b> | 190 mm, 36 teeth | 50      | 25          |
| <b>732149</b> | 190 mm, 48 teeth | 50      | 10          |

## Wood saw blades, bore diameter 30 mm



| ITEM   | SPECIFICATION     | PACKAGE | MIN PACKAGE |
|--------|-------------------|---------|-------------|
| 732849 | 185 mm, 36 teeth  | 50      | 25          |
| 732179 | 190 mm x 24 teeth | 50      | 10          |
| 732199 | 190 mm x 48 teeth | 50      | 10          |
| 732869 | 190 mm, 36 teeth  | 50      | 25          |
| 732909 | 210 mm, 36 teeth  | 50      | 1           |
| 732779 | 305 mm, 48 teeth  | 12      | 1           |
| 732839 | 305 mm, 72 teeth  | 12      | 1           |
| 732879 | 305 mm, 96 teeth  | 12      | 1           |

## Wood saw blades, bore diameter 32 mm + ring 30/32



| ITEM   | SPECIFICATION    | PACKAGE | MIN PACKAGE |
|--------|------------------|---------|-------------|
| 732499 | 160 mm, 24 teeth | 100     | 10          |
| 732519 | 160 mm, 48 teeth | 100     | 10          |
| 732619 | 200 mm, 24 teeth | 50      | 5           |
| 732629 | 200 mm, 36 teeth | 50      | 10          |
| 732639 | 200 mm, 48 teeth | 50      | 10          |
| 732649 | 200 mm, 60 teeth | 50      | 10          |
| 732249 | 210 mm, 24 teeth | 50      | 1           |
| 732269 | 210 mm, 48 teeth | 50      | 1           |
| 732279 | 216 mm, 24 teeth | 50      | 1           |
| 732289 | 216 mm, 48 teeth | 50      | 1           |
| 732299 | 230 mm, 24 teeth | 25      | 1           |
| 732969 | 230 mm, 36 teeth | 25      | 1           |
| 732339 | 230 mm, 48 teeth | 25      | 1           |
| 732349 | 235 mm, 48 teeth | 25      | 1           |
| 732659 | 250 mm, 24 teeth | 25      | 1           |
| 732989 | 250 mm, 36 teeth | 25      | 1           |
| 732669 | 250 mm, 48 teeth | 25      | 1           |
| 732679 | 250 mm, 60 teeth | 25      | 1           |
| 732689 | 250 mm, 80 teeth | 25      | 1           |
| 732419 | 255 mm, 48 teeth | 25      | 1           |
| 732439 | 255 mm, 72 teeth | 25      | 1           |
| 732459 | 255 mm, 96 teeth | 25      | 1           |
| 732699 | 300 mm, 48 teeth | 12      | 1           |
| 732709 | 300 mm, 60 teeth | 12      | 1           |

## Abrasive discs

### Velcro-backed abrasive discs, perforated, 5 pcs.

Abrasive discs with cloth backing. Abrasive component - fused aluminum oxide. The wheel is attached to the grinding wheels 762189 and 762209. Used for dry grinding and finishing work on metal, wood, plastic and other materials.



| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 738009 | P 24, 125 mm  | 200     | 1           |
| 738019 | P 36, 125 mm  | 200     | 1           |
| 738029 | P 40, 125 mm  | 200     | 1           |
| 738039 | P 60, 125 mm  | 200     | 1           |
| 738049 | P 80, 125 mm  | 200     | 1           |
| 738059 | P 100, 125 mm | 200     | 1           |
| 738069 | P 120, 125 mm | 200     | 1           |
| 738079 | P 150, 125 mm | 200     | 1           |
| 738089 | P 180, 125 mm | 200     | 1           |
| 738099 | P 220, 125 mm | 200     | 1           |

### Velcro-backed abrasive discs, perforated, 10 pcs.

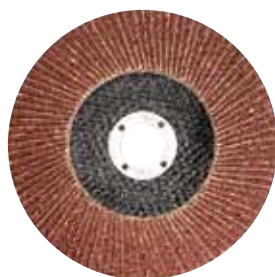


| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 738109 | P 24, 115 mm  | 200     | 1           |
| 738159 | P 40, 115 mm  | 200     | 1           |
| 738209 | P 60, 115 mm  | 200     | 1           |
| 738259 | P 80, 115 mm  | 200     | 1           |
| 738309 | P 24, 125 mm  | 200     | 1           |
| 738339 | P 36, 125 mm  | 200     | 1           |
| 738359 | P 40, 125 mm  | 200     | 1           |
| 738409 | P 60, 125 mm  | 200     | 1           |
| 738459 | P 80, 125 mm  | 200     | 1           |
| 738509 | P 100, 125 mm | 200     | 1           |
| 738559 | P 120, 125 mm | 200     | 1           |
| 738609 | P 150, 125 mm | 200     | 1           |
| 738659 | P 180, 125 mm | 200     | 1           |
| 738709 | P 220, 125 mm | 200     | 1           |



## Flap discs

### End flap discs



Flap end wheel is made of sandpaper cloth rectangular elements which are arranged in the shape of a fan on the glass substrate. It is used for grinding works on metal, wood and other materials.

| ITEM   | SPECIFICATION      | PACKAGE | MIN PACKAGE |
|--------|--------------------|---------|-------------|
| 740269 | P 25, 115 x 22 mm  | 160     | 10          |
| 740279 | P 40, 115 x 22 mm  | 240     | 10          |
| 740289 | P 60, 115 x 22 mm  | 240     | 10          |
| 740299 | P 80, 115 x 22 mm  | 240     | 10          |
| 740319 | P 100, 115 x 22 mm | 240     | 24          |
| 740329 | P 120, 115 x 22 mm | 240     | 10          |
| 740419 | P 25, 125 x 22 mm  | 160     | 10          |
| 740429 | P 40, 125 x 22 mm  | 240     | 10          |
| 740439 | P 60, 125 x 22 mm  | 240     | 10          |
| 740449 | P 80, 125 x 22 mm  | 240     | 10          |
| 740479 | P 100, 125 x 22 mm | 240     | 10          |
| 740489 | P 120, 125 x 22 mm | 240     | 10          |
| 740569 | P 25, 150 x 22 mm  | 120     | 10          |
| 740579 | P 40, 150 x 22 mm  | 180     | 10          |
| 740589 | P 60, 150 x 22 mm  | 180     | 10          |
| 740599 | P 80, 150 x 22 mm  | 180     | 10          |
| 740729 | P 25, 180 x 22 mm  | 120     | 5           |
| 740739 | P 40, 180 x 22 mm  | 120     | 5           |
| 740749 | P 60, 180 x 22 mm  | 180     | 5           |
| 740759 | P 80, 180 x 22 mm  | 180     | 5           |

### Radial flap discs



Radial flap wheel made of petals of abrasive cloth that radiate from retaining base, serving as a shank. Used in conjunction with drills in grinding work on metal, wood and other materials.

| ITEM   | SPECIFICATION        | PACKAGE | MIN PACKAGE |
|--------|----------------------|---------|-------------|
| 741109 | P 40, 60 x 20 x 6 mm | 240     | 20          |
| 741129 | P 60, 60 x 20 x 6 mm | 240     | 20          |
| 741149 | P 80, 60 x 20 x 6 mm | 240     | 20          |
| 741209 | P 40, 60 x 30 x 6 mm | 120     | 10          |
| 741229 | P 60, 60 x 30 x 6 mm | 120     | 10          |
| 741249 | P 80, 60 x 30 x 6 mm | 120     | 10          |
| 741409 | P 40, 80 x 30 x 6 mm | 100     | 10          |
| 741429 | P 60, 80 x 30 x 6 mm | 100     | 50          |
| 741449 | P 80, 80 x 30 x 6 mm | 100     | 50          |
| 741509 | P 40, 80 x 40 x 6 mm | 80      | 40          |
| 741529 | P 60, 80 x 40 x 6 mm | 80      | 40          |
| 741549 | P 80, 80 x 40 x 6 mm | 80      | 40          |

## Abrasive belt

### Cloth-backed endless abrasive belt, 10 pcs.

Abrasive belt for grinding machine. Cloth-backed with high tensile strength. Water-resistant. The belt is made of abrasive material (aluminum oxide). Designed for grinding work on metal, wood, plastic and etc.. The belt is packed in a box of 10 pieces.



| ITEM   | SPECIFICATION       | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 742059 | P 40, 75 x 457 mm   | 30      | 1           |
| 742109 | P 60, 75 x 457 mm   | 30      | 1           |
| 742159 | P 80, 75 x 457 mm   | 30      | 1           |
| 742179 | P 100, 75 x 457 mm  | 30      | 1           |
| 742199 | P 120, 75 x 457 mm  | 30      | 1           |
| 742219 | P 150, 75 x 457 mm  | 30      | 1           |
| 742259 | P 40, 75 x 533 mm   | 30      | 1           |
| 742309 | P 60, 75 x 533 mm   | 30      | 1           |
| 742359 | P 80, 75 x 533 mm   | 30      | 1           |
| 742379 | P 100, 75 x 533 mm  | 30      | 1           |
| 742399 | P 120, 75 x 533 mm  | 30      | 1           |
| 742419 | P 150, 75 x 533 mm  | 30      | 1           |
| 742509 | P 40, 100 x 610 mm  | 30      | 1           |
| 742559 | P 60, 100 x 610 mm  | 30      | 1           |
| 742609 | P 80, 100 x 610 mm  | 30      | 1           |
| 742659 | P 100, 100 x 610 mm | 30      | 1           |
| 742679 | P 120, 100 x 610 mm | 30      | 1           |
| 742699 | P 150, 100 x 610 mm | 30      | 1           |

### Cloth-backed endless abrasive belt, 3 pcs.



| ITEM   | SPECIFICATION       | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 742759 | P 40, 75 x 457 mm   | 100     | 1           |
| 742769 | P 60, 75 x 457 mm   | 100     | 1           |
| 742779 | P 80, 75 x 457 mm   | 100     | 1           |
| 742789 | P 100, 75 x 457 mm  | 100     | 1           |
| 742799 | P 120, 75 x 457 mm  | 100     | 1           |
| 742809 | P 150, 75 x 457 mm  | 100     | 1           |
| 742819 | P 40, 75 x 533 mm   | 100     | 1           |
| 742829 | P 60, 75 x 533 mm   | 100     | 1           |
| 742839 | P 80, 75 x 533 mm   | 100     | 1           |
| 742849 | P 100, 75 x 533 mm  | 100     | 1           |
| 742859 | P 120, 75 x 533 mm  | 100     | 1           |
| 742869 | P 150, 75 x 533 mm  | 100     | 1           |
| 742879 | P 40, 100 x 610 mm  | 60      | 1           |
| 742889 | P 60, 100 x 610 mm  | 60      | 1           |
| 742899 | P 80, 100 x 610 mm  | 60      | 1           |
| 742909 | P 100, 100 x 610 mm | 60      | 1           |
| 742919 | P 120, 100 x 610 mm | 60      | 1           |
| 742929 | P 150, 100 x 610 mm | 60      | 3           |

## Wool felt polishing discs



Polishing wheel is made of pure wool. The wheel is mounted on the grinding machine and is used for polishing works.

| ITEM   | SPECIFICATION    | PACKAGE | MIN PACKAGE |
|--------|------------------|---------|-------------|
| 759059 | 125 x 20 x 32 mm | 100     | 1           |
| 759109 | 150 x 20 x 32 mm | 100     | 1           |

## Velcro-backed wool felt polishing discs



Polishing disc is made of pure wool. Used in conjunction with grinding wheels (762189, 762209) and a drill for polishing works.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 759209 | 115 x 7 mm    | 200     | 1           |
| 759259 | 125 x 7 mm    | 200     | 1           |
| 759309 | 150 x 7 mm    | 200     | 1           |

## Abrasive mesh

### Abrasive mesh, 25 pcs.



Abrasive mesh has abrasive layer - silicon carbide. The mesh width is 14 12. Cell structure allows to avoid clogging with waste products. It is used for grinding metal surfaces, drywall and plaster board to equalize. Used in conjunction with the grinding timbers 788479 and 758519.

| ITEM   | SPECIFICATION       | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 751649 | P 40, 106 x 280 mm  | 24      | 1           |
| 751669 | P 60, 106 x 280 mm  | 24      | 6           |
| 751689 | P 80, 106 x 280 mm  | 24      | 6           |
| 751709 | P 100, 106 x 280 mm | 24      | 6           |
| 751729 | P 120, 106 x 280 mm | 24      | 6           |
| 751749 | P 150, 106 x 280 mm | 24      | 6           |
| 751769 | P 180, 106 x 280 mm | 24      | 6           |
| 751789 | P 200, 106 x 280 mm | 24      | 6           |
| 751809 | P 220, 106 x 280 mm | 24      | 6           |
| 751829 | P 240, 106 x 280 mm | 24      | 6           |

|        |                     |    |   |
|--------|---------------------|----|---|
| 751849 | P 320, 106 x 280 mm | 24 | 6 |
| 751869 | P 400, 106 x 280 mm | 24 | 6 |
| 751889 | P 600, 106 x 280 mm | 24 | 6 |
| 751909 | P 800, 106 x 280 mm | 24 | 6 |

## Sandpaper

### Cloth-backed sandpaper roll, water resistant



The sandpaper is made of abrasive material (aluminium oxide) with cloth backing. Synthetic resin is used as a binder, which considerably increases its durability. Used for grinding and finishing works. Water-resistant.

| ITEM   | SPECIFICATION         | PACKAGE | MIN PACKAGE |
|--------|-----------------------|---------|-------------|
| 752829 | P 40, 1000 mm x 20 m  | 1       | 1           |
| 752849 | P 46, 1000 mm x 20 m  | 1       | 1           |
| 752869 | P 60, 1000 mm x 20 m  | 1       | 1           |
| 752889 | P 80, 1000 mm x 20 m  | 1       | 1           |
| 752909 | P 100, 1000 mm x 20 m | 1       | 1           |
| 752929 | P 120, 1000 mm x 20 m | 1       | 1           |
| 752939 | P 150, 1000 mm x 20 m | 1       | 1           |
| 752949 | P 180, 1000 mm x 20 m | 1       | 1           |
| 752959 | P 220, 1000 mm x 20 m | 1       | 1           |
| 752969 | P 240, 1000 mm x 20 m | 1       | 1           |
| 752979 | P 280, 1000 mm x 20 m | 1       | 1           |

### Cut-sized sandpaper, water resistant, 10 pcs.



Sandpaper has an abrasive layer of aluminium oxide with paper backing. Used for grinding work on drywall, plaster, wood, metal, plastic and other materials. Waterproof.

| ITEM   | SPECIFICATION        | PACKAGE | MIN PACKAGE |
|--------|----------------------|---------|-------------|
| 756069 | P 80, 230 x 280 mm   | 100     | 1           |
| 756089 | P 100, 230 x 280 mm  | 100     | 1           |
| 756109 | P 120, 230 x 280 mm  | 100     | 1           |
| 756129 | P 180, 230 x 280 mm  | 100     | 1           |
| 756149 | P 240, 230 x 280 mm  | 100     | 1           |
| 756169 | P 320, 230 x 280 mm  | 100     | 1           |
| 756189 | P 400, 230 x 280 mm  | 100     | 10          |
| 756209 | P 600, 230 x 280 mm  | 100     | 1           |
| 756229 | P 800, 230 x 280 mm  | 100     | 1           |
| 756249 | P 1000, 230 x 280 mm | 100     | 1           |
| 756289 | P 1500, 230 x 280 mm | 100     | 1           |
| 756299 | P 2000, 230 x 280 mm | 100     | 1           |



## Cut-sized sandpaper, cloth backing, water resistant, 10pcs.



Sandpaper is made of abrasive material (aluminium oxide) with cloth backing, and has a special coating. Water-resistant. Used for straightening, grinding works.

| ITEM   | SPECIFICATION       | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 756339 | P 40, 230 x 280 mm  | 25      | 1           |
| 756359 | P 46, 230 x 280 mm  | 25      | 1           |
| 756399 | P 60, 230 x 280 mm  | 25      | 1           |
| 756419 | P 80, 230 x 280 mm  | 25      | 1           |
| 756439 | P 100, 230 x 280 mm | 25      | 1           |
| 756459 | P 120, 230 x 280 mm | 25      | 1           |

## Grinding sponges

### Grinding sponges



Waterproofed grinding sponge, with a special abrasive coating of silicon carbide. Intended for finishing and grinding works, for processing hard-to-reach places and products that have an uneven surface. It is used for grinding straight corners, horizontal surfaces. Applications: hardwood and softwood, paint coatings, steel, plastic, putty.

| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 757059 | 100 x 70 x 25 mm, soft, P 60/80, P 60/100, P 80/120, 3 pcs            | 120     | 1           |
| 757109 | 100 x 70 x 25 mm, medium hardness, P 60/80, P 60/100, P 80/120, 3 pcs | 120     | 1           |
| 757159 | 125 x 100 x 10 mm, soft, P 60/80, P 60/100, P 80/120, 3 pcs           | 144     | 1           |

## Abrasive brick



The brick is designed to hold the sandpaper during grinding work. Equipped with a special Velcro for fixing and quick change of abrasive sheets with cloth backing, with diameter up to 150 mm.

| ITEM   | SPECIFICATION         | PACKAGE | MIN PACKAGE |
|--------|-----------------------|---------|-------------|
| 758159 | 150 mm, velcro-backed | 80      | 1           |



Plastic brick is used in finishing work. Has a special quick-lock clamping for fixing abrasive sanding sheets and mesh.

| ITEM   | SPECIFICATION                      | PACKAGE | MIN PACKAGE |
|--------|------------------------------------|---------|-------------|
| 758209 | 160 x 85 mm, plastic, with clamps  | 100     | 1           |
| 758309 | 210 x 105 mm, plastic, with clamps | 80      | 1           |

## Sanding blocks

### Sanding blocks



Plastic sanding block for grinding has a special metal clips for secure clamping of sandpaper or abrasive mesh. Distinctive features of the design are:

1. Thick handle, providing a comfortable and secure grip.
2. The small pore lining with increased durability. The material has good elastic properties to withstand more effort applied, and increased thickness provides even adjoining on very rough surfaces.
3. Fixing elements have anticorrosion coating that protects from rust and allows to wash the block after work.

Due to up to date materials and technologies this tool is the most durable, easy, cheap and convenient to use. This design includes two sizes corresponding to the most popular sizes of used abrasive materials.

| ITEM   | SPECIFICATION                      | PACKAGE | MIN PACKAGE |
|--------|------------------------------------|---------|-------------|
| 758529 | 230 x 105 mm, plastic, with clamps | 50      | 1           |
| 758539 | 230 x 120 mm, plastic, with clamps | 50      | 1           |

## Grinding stones



Set of grinding stones has a special abrasive coating (aluminum oxide, silicon carbide). Used for grinding and straightening work in conjunction with electric drill.

| ITEM   | SPECIFICATION             | PACKAGE | MIN PACKAGE |
|--------|---------------------------|---------|-------------|
| 760209 | for electric drill, 5 pcs | 120     | 20          |

## Drill accessories

### Accessories for drill and angle grinder, adapter



The brush is made of steel wire. It is used for medium-duty cleaning metal surfaces from rust and dirt.

| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 762189 | 115 mm, plastic, Velcro-backed, for drill and angle grinder | 100     | 1           |
| 762209 | 125 mm, plastic, Velcro-backed, for drill and angle grinder | 100     | 1           |

## Brushes

### Twisted knot wheel brush, shaft mounted



The brush is made of steel wire. It is used for cleaning metal surfaces from rust and dirt in a moderate manner.

| ITEM  | SPECIFICATION | PACKAGE | MIN PACKAGE |
|-------|---------------|---------|-------------|
| 74430 | 75 mm         | 120     | 1           |
| 74432 | 100 mm        | 72      | 12          |

### Crimped wire wheel brush, shaft mounted, brass coated



The brush is made of steel wire. Brass coating. It is used for medium-duty cleaning of metal surfaces from rust and dirt.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 744409 | 30 mm         | 240     | 1           |
| 744429 | 40 mm         | 240     | 10          |
| 744449 | 50 mm         | 240     | 24          |
| 744469 | 60 mm         | 120     | 12          |
| 744489 | 75 mm         | 120     | 12          |
| 744509 | 100 mm        | 120     | 12          |

### Twisted knot end brush, shaft-mounted



The brush is made of steel wire. It is used for medium-duty cleaning of metal surfaces from rust and dirt.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 744649 | 25 mm         | 200     | 20          |
| 744669 | 30 mm         | 150     | 15          |
| 744689 | 65 mm         | 120     | 12          |
| 744709 | 75 mm         | 120     | 1           |

### Crimped wire end cup brush sets, shaft-mounted, brass coated



The brush is made of steel wire. Brass coated. It is used for medium-duty cleaning of metal surfaces from rust and dirt.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 744759 | 50 mm         | 240     | 12          |
| 744779 | 65 mm         | 120     | 10          |
| 744789 | 75 mm         | 120     | 12          |

### Crimped wire brush sets, brass coated

Metal brush set is made of steel wire. Brass coating. It is used for medium duty cleaning metal surfaces from rust and dirt.



| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 744809 | 2 pcs, 1 wheel, 100 mm + 1 «cup», 75 mm, shaft-mounted | 40      | 10          |



| ITEM   | SPECIFICATION                                 | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 744849 | 3 pcs, 1 wheel, 65 mm + «cup», 50 mm + manual | 40      | 10          |



| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 744869 | 3 pcs, 1 wheel, 50 mm + 2 «cups», 25-50 mm, shaft-mounted | 120     | 12          |



| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 744929 | 5 pcs, 2 wheels 50-75 mm + 3 «cups», 25-50-75 mm, shaft-mounted | 40      | 10          |

### Crimped wire brush set, shaft-mounted



| ITEM   | SPECIFICATION             | PACKAGE | MIN PACKAGE |
|--------|---------------------------|---------|-------------|
| 744909 | 3 pcs, wheels 50-63-75 mm | 120     | 10          |



| ITEM   | SPECIFICATION                   | PACKAGE | MIN PACKAGE |
|--------|---------------------------------|---------|-------------|
| 744949 | 5 pcs, wheels 25-38-50-63-75 mm | 120     | 10          |



| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 744969 | 6 pcs, 5 wheels, 40-50-65-75-100 mm + 1 «cup», 50 mm, shaft-mounted | 40      | 10          |



### M14 crimped wire end cup brush



The brush is made of steel wire. Brass coating. Used for medium duty cleaning of metal surfaces from rust and dirt. Class of fit - M14.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 746039 | 65 mm         | 100     | 1           |
| 746049 | 75 mm         | 100     | 1           |
| 746059 | 100 mm        | 60      | 1           |
| 746069 | 125 mm        | 30      | 1           |
| 746079 | 150 mm        | 24      | 1           |

### M14 crimped wire end wheel brush



The brush is made of steel wire. Brass coating. It is used for cleaning metal surfaces from rust and dirt. Class of fit - M14.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 746089 | 100 mm        | 60      | 1           |
| 746129 | 115 mm        | 60      | 1           |
| 746169 | 125 mm        | 60      | 1           |

### M14 twisted knot end cup brush



The brush is made of twisted steel wire. It is used for heavy-duty cleaning of metal surfaces from rust, dirt and joint welds. Class of fit - M14.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 746209 | 65 mm         | 100     | 1           |
| 746249 | 75 mm         | 100     | 1           |
| 746289 | 100 mm        | 60      | 1           |
| 746279 | 125 mm        | 30      | 1           |
| 746299 | 150 mm        | 24      | 1           |

### Twisted knot wheel brush, 22 mm



The brush is made of twisted steel wire. It is used for heavy-duty cleaning of metal surfaces from rust, dirt and joint welds. Class of fit - M14.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 746309 | 100 mm        | 100     | 1           |
| 746329 | 125 mm        | 60      | 1           |
| 746349 | 150 mm        | 40      | 1           |
| 746369 | 175 mm        | 20      | 1           |
| 746389 | 200 mm        | 20      | 1           |

### Crimped wire wheel brush, 22 mm



The brush is made of steel wire. Brass coating. Used for medium-duty cleaning of metal surfaces from rust and dirt. Class of fit - M14.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 746489 | 100 mm        | 100     | 1           |
| 746569 | 125 mm        | 60      | 1           |
| 746649 | 150 mm        | 60      | 1           |
| 746669 | 175 mm        | 40      | 1           |
| 746689 | 200 mm        | 40      | 1           |

### Heavy-duty twisted knot end cup brush



The brush is made of twisted steel wire. Used for heavy-duty cleaning of metal surfaces from rust, dirt and joint welds. Class of fit - M14.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 746709 | 80 mm         | 40      | 1           |
| 746729 | 100 mm        | 24      | 1           |
| 746749 | 125 mm        | 20      | 1           |

### Metal hand brush set, plastic handle



Set of metal brushes have steel bristles in plastic body and comfortable plastic handles. Used for heavy-duty cleaning of metal surfaces.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 748609 | 3 pcs, small  | 120     | 12          |



Set of metal brushes have steel bristles in plastic body and comfortable plastic handles. Used for heavy-duty cleaning of metal surfaces.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 748639 | 3 pcs, big    | 120     | 1           |



## Metric taps

### HSS multi purpose hand metric taps,



Made of R6M5 high speed steel, have a hardness of up to 60 ... 64 HRC. Accuracy class is 4H according to the international standard. Have a high wear resistance. Allow to cut threads in both: blind and through holes. Package contains all the necessary information about the product, will make the choice of an appropriate item easier for a buyer.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 766719 | M4 x 0,7 mm   | 500     | 125         |
| 766739 | M5 x 0,8 mm   | 500     | 125         |
| 766759 | M6 x 1,0 mm   | 500     | 125         |
| 766779 | M8 x 1,25 mm  | 500     | 125         |
| 766919 | M10 x 1,25 mm | 500     | 125         |
| 766929 | M10 x 1,5 mm  | 500     | 125         |
| 766949 | M12 x 1,25 mm | 500     | 125         |
| 766969 | M12 x 1,75 mm | 500     | 125         |

### T-bars for taps, chrome plated, with ratchet



T-bar tap holder with reverse mechanism. Designed for holding the tap when cutting thread.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 769059 | M3 – M8       | 120     | 1           |
| 769079 | M5 – M12      | 75      | 1           |

## Dies

### HSS round metric dies



Made of R6M5 high speed steel, have a hardness of up to 60 ... 64 HRC. Accuracy class is 4H according to the international standard. Have a high wear resistance. Have lead-cone on both sides, which greatly increases the tool life. Package contains all the necessary information about the product, will make the choice of an appropriate item easier for a buyer.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 770719 | M4 x 0,7 mm   | 500     | 1           |
| 770739 | M5 x 0,8 mm   | 500     | 125         |
| 770759 | M6 x 1,0 mm   | 500     | 125         |
| 770779 | M8 x 1,25 mm  | 500     | 125         |
| 770919 | M10 x 1,25 mm | 500     | 125         |
| 770929 | M10 x 1,5 mm  | 500     | 125         |
| 770949 | M12 x 1,25 mm | 200     | 50          |
| 770969 | M12 x 1,75 mm | 200     | 50          |

### Tap wrench set, 9XC steel



Set for cutting external threads on pipe of the most common diameters: 1 4-1 2-3 4-1-1 1 4. Die holder with ratchet and assembled handle. The set is packed in a handy plastic case.

| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 773329 | 1/4"-1/2"-3/4"-1"-1 1/4" + holder for die with ratchet, 8 pcs. | 5       | 1           |

### Thread cutting sets

Designed for professional use, made of tool steel alloy. 773,459 and 773,399 are packed in a metal case, and 773,379 - in plastic.



| ITEM   | SPECIFICATION                       | PACKAGE | MIN PACKAGE |
|--------|-------------------------------------|---------|-------------|
| 773379 | 31 предм., tap and die set M3 – M12 | 10      | 1           |



| ITEM   | SPECIFICATION                     | PACKAGE | MIN PACKAGE |
|--------|-----------------------------------|---------|-------------|
| 773399 | 36 pcs., tap and die set M3 – M16 | 6       | 1           |



| ITEM   | SPECIFICATION                     | PACKAGE | MIN PACKAGE |
|--------|-----------------------------------|---------|-------------|
| 773459 | 14 pcs., tap and die set M3 – M10 | 24      | 1           |

### Extractor set



Designed for extracting broken studs and bolts with right-hand thread. Made of carbon steel, hardness 58 ... 62HRC. Extractors sizes: 1/8", 3/16", 15/64", 5/16", 3/8"

| ITEM   | SPECIFICATION          | PACKAGE | MIN PACKAGE |
|--------|------------------------|---------|-------------|
| 773519 | 5 pcs, straight square | 40      | 10          |



## Hacksaws

### Hacksaws



Aluminum hacksaw used for cutting small metal and plastic profiles. Useful when working in tight and hard-to-reach spaces. The tool has a comfortable rubberized handle.

| ITEM    | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------|---------------|---------|-------------|
| 7756059 | 250 mm        | 60      | 10          |



Hacksaw, 300 mm, bimetallic blade, two-component handle. Hacksaw has a rubberized ergonomic handle. Lever-screw mechanism of blade tension allows you to quickly replace the blade. There is a place for storage of 5 blades in the hacksaw chassis frame. Hacksaw frame design allows to set the blade at an angle of 55° and 90°. Blades of 300 mm length are used with the hacksaw. Hacksaw is designed to work on metal, chipboard, PVC, laminate, etc. Used for a wider range of mechanical works.

| ITEM   | SPECIFICATION                                | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 775939 | 300 mm, bi-metal blade, two-component handle | 24      | 4           |

## Blades for hacksaws

### Blades for hacksaws



Bi-metal blade with wavy setting, tooth pitch 24TPI, hardness 60HRC. A feature of the blade is 150 mm length, that allows to work in a limited and hard-to-reach places.

The blade is used with a hacksaw of an appropriate size. The combination of two metal types in one blade allows to cut any materials.

| ITEM   | SPECIFICATION             | PACKAGE | MIN PACKAGE |
|--------|---------------------------|---------|-------------|
| 777729 | 300 mm, bimetallic, 2 pcs | 500     | 2           |



The elastic blade made of carbon steel with a pitch of 18 TPI. The bigger tempered teeth, allowing to cut soft metals and non-metals, and aggressive setting makes the blade universal and optimal for home use.

| ITEM   | SPECIFICATION          | PACKAGE | MIN PACKAGE |
|--------|------------------------|---------|-------------|
| 777749 | 300 mm, elastic, 2 pcs | 500     | 1           |



Bi-metal blade with wavy wiring step 24TPI, hardness 60HRC. A special feature is the length of the blade 150 mm, which allows to work in a confined space. The cloth is used with a hacksaw corresponding size. The combination of the two types of metals in one blade allows the cutting of any materials

| ITEM  | SPECIFICATION              | PACKAGE | MIN PACKAGE |
|-------|----------------------------|---------|-------------|
| 77768 | 150 mm, bimetallic, 3 pcs. | 20      | 240         |

## Tungsten carbide blades for hacksaw



Used for cutting glass, ceramics, porcelain. The round shape of the blade allows you to make a curved cut and change the direction of the cut without changing the position of the workpiece itself.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 779109 | 150 mm        | 144     | 48          |
| 779159 | 300 mm        | 600     | 120         |

## Diamond blades for hacksaw



Used for cutting glass, ceramics and porcelain. The round shape of the blade allows you to make curved cut and change the direction of the cut without changing the position of the workpiece itself.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 779259 | 300 mm        | 600     | 120         |

## Blade with tungsten carbide coating, for glass and tile.



Blade with tungsten carbide coating is used for cutting glass, ceramics, porcelain.

| ITEM  | SPECIFICATION | PACKAGE | MIN PACKAGE |
|-------|---------------|---------|-------------|
| 77935 | 300 mm        | 100     | 25          |

## Blades for power tools

### Jigsaw wood blades, 3 pcs., HCS, EU-shank



Jigsaw blades are made of high carbon steel. Have a standard EU-shank. Polished body with sharpened tooth allows to make clean, straight cuts. Used for cutting wood containing sheet material.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 781409 | 50 x 1,2 mm   | 200     | 10          |
| 781419 | 75 x 2,5 mm   | 200     | 10          |
| 781429 | 100 x 4 mm    | 200     | 10          |

### Jigsaw metal blades, 3 pcs., EU-shank



Jigsaw blades are made of high carbon steel. Have a standard EU-shank. Teeth wavy setting increases the cutting speed by improving the exhaust of waste cutting products. Used for metal works.

| ITEM   | SPECIFICATION              | PACKAGE | MIN PACKAGE |
|--------|----------------------------|---------|-------------|
| 781439 | 50 x 0,8 mm, HSS           | 200     | 10          |
| 781479 | 50 x 1,2 mm, HSS           | 200     | 10          |
| 781509 | 75 x 1,2 mm, bi-metal, BIM | 200     | 10          |

### Wood blades for the jigsaw, 3 pcs., EU-shank

Jigsaw blades are made of high carbon steel and tempered to a hardness of 48 ... 52HRC. Have a standard EU-shank. Polished body with sharp tooth provide clean, straight cuts. Used for cutting wood containing sheet material.



| ITEM   | SPECIFICATION           | PACKAGE | MIN PACKAGE |
|--------|-------------------------|---------|-------------|
| 782019 | T101B, 75 x 2,5 mm, HCS | 600     | 100         |



| ITEM   | SPECIFICATION           | PACKAGE | MIN PACKAGE |
|--------|-------------------------|---------|-------------|
| 782029 | T101D, 75 x 4,0 mm, HCS | 600     | 100         |

| ITEM          | SPECIFICATION            | PACKAGE | MIN PACKAGE |
|---------------|--------------------------|---------|-------------|
| <b>782039</b> | T101BR, 75 x 2,5 mm, HCS | 600     | 100         |

Jigsaw blades are made of high carbon steel and a hardness of up to 48 ... 52HRC. Have a standard EU-shank. Polished body with sharpened tooth provides clean, straight cuts. Used for cutting wood containing sheet material

| ITEM          | SPECIFICATION         | PACKAGE | MIN PACKAGE |
|---------------|-----------------------|---------|-------------|
| <b>782049</b> | T144D, 75 x 4 mm, HCS | 600     | 100         |

| ITEM          | SPECIFICATION         | PACKAGE | MIN PACKAGE |
|---------------|-----------------------|---------|-------------|
| <b>782059</b> | T111C, 75 x 3 mm, HCS | 600     | 100         |

Different types of grinding, routing, tooth pitch, tooth material provide quick and clean sawing, curved cut on materials of different thickness and density. The blades are made of high carbon steel and have a hardness of 48-52 HRC. For normal and reverse cut on glued and laminated materials - durable blades of bi-metal with tooth hardness at least 60 HRC

| ITEM          | SPECIFICATION                           | PACKAGE | MIN PACKAGE |
|---------------|---|---------|-------------|
| <b>782109</b> | T101AO, 50 x 1.4 mm, shape cutting, HCS | 600     | 100         |

| ITEM          | SPECIFICATION                 | PACKAGE | MIN PACKAGE |
|---------------|-------------------------------|---------|-------------|
| <b>782119</b> | T101BF, 75 x 2.5 mm, Bi-metal | 600     | 100         |

| ITEM          | SPECIFICATION               | PACKAGE | MIN PACKAGE |
|---------------|-----------------------------|---------|-------------|
| <b>782129</b> | T101DF, 75 x 4 mm, Bi-metal | 600     | 100         |

| ITEM          | SPECIFICATION                  | PACKAGE | MIN PACKAGE |
|---------------|--------------------------------|---------|-------------|
| <b>782139</b> | T101BRF, 75 x 2.5 mm, Bi-metal | 600     | 100         |

| ITEM          | SPECIFICATION         | PACKAGE | MIN PACKAGE |
|---------------|-----------------------|---------|-------------|
| <b>782159</b> | T244D, 75 x 4 mm, HCS | 600     | 100         |

| ITEM          | SPECIFICATION          | PACKAGE | MIN PACKAGE |
|---------------|------------------------|---------|-------------|
| <b>782169</b> | T301CD, 90 x 3 mm, HCS | 600     | 100         |

### Jigsaw metal blades, 3 pcs., EU-shank

Jigsaw blades are made of high speed steel and a hardness of up to 60 ... 62HRC. Have a standard EU-shank. Wavy tooth setting allows to cut thin sheet materials.

| ITEM          | SPECIFICATION           | PACKAGE | MIN PACKAGE |
|---------------|-------------------------|---------|-------------|
| <b>782069</b> | T118G, 50 x 0.8 mm, HSS | 600     | 150         |

| ITEM          | SPECIFICATION           | PACKAGE | MIN PACKAGE |
|---------------|-------------------------|---------|-------------|
| <b>782079</b> | T118A, 50 x 1.2 mm, HSS | 600     | 100         |

| ITEM          | SPECIFICATION         | PACKAGE | MIN PACKAGE |
|---------------|-----------------------|---------|-------------|
| <b>782089</b> | T127D, 75 x 3 mm, HSS | 600     | 100         |

| ITEM          | SPECIFICATION                 | PACKAGE | MIN PACKAGE |
|---------------|-------------------------------|---------|-------------|
| <b>782099</b> | T118AF, 55 x 1.2 mm, Bi-metal | 600     | 100         |

### Jigsaw blade set, 5 pcs.



The set consists of blades designed for cutting wood. The blades allow to make fast and clean sawing, work on laminate as well as curved sawing with different speed and accuracy.

| ITEM          | SPECIFICATION    | PACKAGE | MIN PACKAGE |
|---------------|------------------|---------|-------------|
| <b>782509</b> | T-SET3, for wood | 400     | 100         |



Multi-purpose set, allows working with wood and metal of different thickness and with epoxy.

| ITEM          | SPECIFICATION         | PACKAGE | MIN PACKAGE |
|---------------|-----------------------|---------|-------------|
| <b>782519</b> | T-SET4, multi purpose | 400     | 100         |

### Tin snips

#### Tin snips



Tin snips are made of tool steel alloy. Used for straight cutting of sheet metal.

| ITEM          | SPECIFICATION        | PACKAGE | MIN PACKAGE |
|---------------|----------------------|---------|-------------|
| <b>783009</b> | 300 mm, straight cut | 36      | 6           |

Tin snips are made of tool steel alloy. Used for curved cutting of sheet metal.



| ITEM          | SPECIFICATION            | PACKAGE | MIN PACKAGE |
|---------------|--------------------------|---------|-------------|
| <b>783029</b> | 275 mm, right-handed cut | 36      | 6           |



| ITEM          | SPECIFICATION           | PACKAGE | MIN PACKAGE |
|---------------|-------------------------|---------|-------------|
| <b>783049</b> | 275 mm, left-handed cut | 36      | 6           |



### Metal shears, curved cutting, die-cast handles



Tin snips are made of tool steel. Designed for curved cutting of sheet metal.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 783179 | 225 mm        | 50      | 5           |

### Tin snips, 250 mm, two-component handles

Double lever mechanism allows to achieve maximum cutting force with minimal effort. Cutting edge hardness - 56 HRC. Special notches on the cutting edges prevent the item from slipping out. Equipped with comfortable two-component ergonomic handles. Used for cutting sheet metal.



| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 783309 | straight cut  | 60      | 1           |



| ITEM   | SPECIFICATION    | PACKAGE | MIN PACKAGE |
|--------|------------------|---------|-------------|
| 783329 | right-handed cut | 60      | 1           |



| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|-----------------|---------|-------------|
| 783349 | left-handed cut | 60      | 1           |

### Plastic shears

Used for cutting plastic pipes, moldings, profiles, rubber hoses, PVC fillets (curly slats, which cover the joints in the corners of the furniture), and etc. Trapezoidal shape of the working knife, two cutting edges. High-quality tool steel. The improved system of the ratchet mechanism. Rubberized handles.



| ITEM    | SPECIFICATION                  | PACKAGE | MIN PACKAGE |
|---------|--------------------------------|---------|-------------|
| 7841059 | D – до 42 mm, die-cast handles | 48      | 12          |



| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 784129 | D – до 42 mm, rubberized support handle, powder-coated handles | 48      | 8           |



Used for cutting plastic pipes, moldings, profiles, rubber hoses, and etc. Trigger mechanism, two working edges of the blade. Trapezoidal blade tip allows more efficient blade entry into the plastic cavity at the start of the cut. Retracting mechanism of the blade significantly reduces operating time. Rubber grips on the handle.

| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 784169 | D – до 36 mm, gun-type, rubberized support handle, powder-coated handles | 24      | 6           |



Used for cutting plastic pipes, moldings, profiles, rubber hoses, and etc. The tool has an elongated handle, increasing linkage point that allows you to work with large-sized workpieces.

| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 784189 | D – up to 63 mm, multi-purpose, powder-coated handles | 12      | 3           |

### Bolt cutters



The bolt cutter has a double lever mechanism for easy cutting. The cutting edges of working jaws heat-treated to a hardness of 58-60 HRC. The tool is used for cutting steel wire and rebar bolts.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 785259 | 300 mm / 12"  | 30      | 1           |
| 785309 | 350 mm / 14"  | 30      | 1           |
| 785359 | 450 mm / 18"  | 20      | 1           |
| 785409 | 600 mm / 24"  | 10      | 1           |
| 785459 | 760 mm / 30"  | 5       | 1           |
| 785559 | 900 mm / 36"  | 5       | 1           |
| 785609 | 1050 mm / 42" | 3       | 1           |
| 785659 | 1200 mm / 48" | 3       | 1           |

### Pipe cutters



Carbide roller is used as a cutting element. Used for cutting of non-ferrous metals and metal-plastic tubes with diameter of 3 to 28 mm.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 787209 | 3–28 mm       | 50      | 10          |

### Knives

#### Utility knives



Plastic body with metal blade channel. Folded in an idle state. Designed for cutting paper, cardboard and other materials. Comes with 10 spare blades.

| ITEM | SPECIFICATION                                      | PACKAGE | MIN PACKAGE |
|------|--|---------|-------------|
|      | trapezoidal blade, 18 mm, folding, 10 spare blades | 72      | 6           |



Plastic body with metal blade channel. The blade change should be done manually through the back part of the knife. Designed for cutting paper, cardboard, and etc.

| ITEM   | SPECIFICATION                                | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 789099 | retractable blade, 9 mm, metal blade channel | 400     | 50          |



The knife has a plastic body, eject and blade locking buttons. The blade change should be done manually through the back part of the knife. Designed for cutting paper, cardboard and other materials, which does not require much effort.

| ITEM   | SPECIFICATION           | PACKAGE | MIN PACKAGE |
|--------|-------------------------|---------|-------------|
| 789119 | retractable blade, 9 mm | 1200    | 60          |

mtx



Plastic rubberized body with metal blade channel. The knife has both: automatic and screw lock of the blade. The blade change should be done manually through the back part of the knife. Designed for cutting paper, cardboard, and other materials.

| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 789149 | retractable blade 18 mm, metal blade channel, screw lock of the blade | 144     | 12          |

mtx



The knife has a plastic body with a metal blade channel, eject and blade locking buttons. The blade change should be done manually through the back part of the knife. Designed for effortless cutting paper, cardboard and other materials.

| ITEM   | SPECIFICATION                                | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 789189 | retractable blade 18 mm, metal blade channel | 288     | 24          |

mtx



The knife has a plastic body, eject and blade locking buttons. The blade change should be done manually through the back part of the knife. Designed for effortless cutting paper, cardboard and other materials.

| ITEM   | SPECIFICATION           | PACKAGE | MIN PACKAGE |
|--------|-------------------------|---------|-------------|
| 789299 | retractable blade 18 mm | 720     | 24          |

mtx



Metal ergonomic rubberized body with reinforced blade channel. The knife has an automatic blade locking. The blade change should be done manually through the back part of the knife. Designed for cutting paper, cardboard and other materials requiring considerable effort.

| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 789599 | retractable blade 25 mm, heavy-duty metal blade channel, metal rubberized handle | 72      | 12          |

mtx



Plastic ergonomic rubberized body with reinforced guide. The knife has an automatic blade locking. Replacement if the blade is done automatically. The design includes a knife holder containing 5 spare blades. Designed for cutting paper, cardboard and other materials.

| ITEM   | SPECIFICATION   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 789219 | retractable blade 18 mm, 5 spare blades, metal blade channel, rubberized handle | 72      | 9           |

mtx



Utility knife with replaceable retractable trapezoidal blade. Ergonomic metal handle consists of two parts, fixed with plastic screws, automatic blade locking. Used to cut paper, cardboard, linoleum and other materials requiring considerable effort.

| ITEM   | SPECIFICATION                                    | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 789649 | 18 mm, retractable trapezoidal blade, metal body | 96      | 12          |

mtx



Utility knife with replaceable retractable trapezoidal blade. Metal body. In order to improve safety when cutting cord, rope, twine without setting the blade there's a slot in the housing. Automatic blade locking. Has a compartment for spare blades.

| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 789679 | retractable trapezoidal blade, 18 mm, compartment for blades, metal body | 96      | 12          |

## Knife for flooring and rolled roofing material

mtx



Designed for cutting soft floor coverings such as linoleum, carpet, etc. The guide roller at the rear part of the handle ensures accuracy and high speed cutting in the process of cutting the floor covering. The knife is equipped with an aluminum block holder of cutting blade in the bow part of the knife handle. Ergonomic plastic handle. Container for spare blades in the cavity of the handle of the knife. The opening of the container is done by moving apart the two halves of the plastic handle. Two spare blades are made of steel SK-2. Metal blade in the rear part of the handle of the knife for easier tearing and lifting of the cut pieces of the flooring.

| ITEM   | SPECIFICATION                | PACKAGE | MIN PACKAGE |
|--------|------------------------------|---------|-------------|
| 789799 | 240 mm, two-component handle | 12      | 6           |

mtx



Designed primarily for cutting flooring. Due to the curved knife blade, the cutting edge is not damaged when cutting the material laying on the solid surface. The blade is made of knife stainless steel. Two-component handle prevents slipping out of the hand.

| ITEM   | SPECIFICATION                                     | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 789899 | 180 mm, for floor coverings, two-component handle | 120     | 12          |

## Utility knife sets

mtx



Knives with plastic body, eject and blade locking buttons. The blade change is done manually through the rear part of the knife. Designed for effortless cutting paper, cardboard and other materials.

| ITEM   | SPECIFICATION | PACKAGE | MIN PACKAGE |
|--------|---------------|---------|-------------|
| 789859 | 3 pcs         | 288     | 12          |

mtx



Knife set for different use with plastic handles. Retractable blades. The set includes stripping scrapers to remove old paint from the glass. The set is intended for effortless cutting paper, cardboard and other materials.

| ITEM   | SPECIFICATION                | PACKAGE | MIN PACKAGE |
|--------|------------------------------|---------|-------------|
| 789919 | 8 pcs (5 knives, 3 scrapers) | 96      | 1           |



## Knives and scissors KITCHEN



Traditional household scissors with two-component ergonomic handles and sharpened blade 280 mm in length are designed for cutting paper, cardboard, different fabrics. The curved ergonomic handle allows to work with long length wholemeal sheets.

| ITEM   | SPECIFICATION                                     | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 791349 | Household scissors, 280 mm, two-component handles | 100     | 10          |



Traditional household scissors with two-component ergonomic handles and sharpened blade 100 mm in length are designed for cutting paper, cardboard, different fabrics. The ergonomic handle allows to work with long length wholemeal sheets.

| ITEM   | SPECIFICATION                                     | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 791359 | Household scissors, 250 mm, two-component handles | 100     | 10          |



Multifunction household scissors. The tool has a wide range of applications: for cutting poultry and fish, for opening pressed swirling bottle caps, for screwdriver function and for other small household needs.

| ITEM   | SPECIFICATION                            | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 791369 | Household scissors, 200 mm, multipurpose | 120     | 10          |



Poultry shears are primarily designed for cutting cooked poultry. The tool is equipped with a return spring and retainer for the cutting blades in noncutting position.

| ITEM   | SPECIFICATION          | PACKAGE | MIN PACKAGE |
|--------|------------------------|---------|-------------|
| 791399 | Poultry shears, 235 mm | 100     | 10          |

## Cutter blade for household retractable blade knife



Cutter blades are made of steel with a hardness of 65 HRC. Intended for household and professional use as spare parts for knives. 79311 - for knives 78909, 78911. 79331 - for knives 78919, 78918, 78914, 78921, 78922, 78929, 78923. 79332 - for knife 78959.

| ITEM    | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------|---------------|---------|-------------|
| 7931159 | 9 mm, 10 pcs  | 800     | 20          |



Set with replaceable blades is used for fast replacement of the failed primary knife blade. The blades are used for cutting thick paper, film, cardboard, linoleum, etc. The cutting edge is made of solid stainless steel with sharp grinding evenly along the entire length. Marked notches on the blade allow to remove the blunt blade area. Set compatibles with knives of MTX and Sparta brands in accordance with item numbers: MTX & mdash; 78921, 78914, 78918, 78929; Sparta & mdash; 78973, 78974, 789195.

| ITEM    | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------|---------------|---------|-------------|
| 7933159 | 18 mm, 10 pcs | 360     | 20          |



Replacement blades are made of steel with a hardness of 65 HRC. Intended for household and professional use as spare parts for knives. 79311 - for knives 78909, 78911. 79331 - for knives 78919, 78918, 78914, 78921, 78922, 78929, 78923. 79332 - for knife 78959.

| ITEM    | SPECIFICATION | PACKAGE | MIN PACKAGE |
|---------|---------------|---------|-------------|
| 7933259 | 25 mm, 10 pcs | 100     | 10          |



Replacement blades for knives are made of steel hardness of 65 HRC. Intended for household and professional use as spare parts for blades 78924, 78964, 78967.

| ITEM    | SPECIFICATION                     | PACKAGE | MIN PACKAGE |
|---------|-----------------------------------|---------|-------------|
| 7935559 | 18 mm, trapezoid, straight, 5 pcs | 480     | 60          |

## Scraper

### Scraper blades



Replacement blades for the scraper are designed to remove old paint and other contaminants from the surfaces of glass, tile, ceramic.

| ITEM    | SPECIFICATION                          | PACKAGE | MIN PACKAGE |
|---------|--|---------|-------------|
| 7933359 | 100 mm, 10 pcs, for 79545, 79550 items | 360     | 10          |

### Scrapers



Paint scraper is made of steel and has a fixed blade. Comfortable rubberized handle. The tool is designed to remove old paint from various surfaces.

| ITEM   | SPECIFICATION                                   | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 795459 | 100 mm, fixed blade, rubber-coated metal handle | 100     | 10          |



| ITEM   | SPECIFICATION  | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 795509 | 100 mm, fixed blade, long rubber-coated metal handle | 100     | 10          |



The scraper is used for removing from the surface of the glass, tiles, ceramics, old paint and other contaminants, as well as for cleaning tile joints from excess tile adhesive. For storing or transporting sharp blade retracts into the body of the scraper, providing protection against cuts.

| ITEM   | SPECIFICATION                                 | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 795609 | 250 mm, for tile, tungsten carbide deposition | 100     | 10          |

7. Building and finishing tools

Paint roller, handle D 8 mm

Nylon Profi paint roller, polyamide



Suitable for medium rough surfaces with water-dispersion paints and varnishes on the basis of chemical solvents. Seamless design of the roller makes the painted surface smoother. Characterized by high wear resistance.

| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 806249 | changeable, 180 mm, pile 12 mm, Ø 48 mm, handle D 8 mm | 50      | 1           |
| 806259 | changeable, 250 mm, pile 12 mm, Ø 48 mm, handle D 8 mm | 50      | 1           |

Nylon Luxe paint roller, polyamide



Suitable for work on rough surfaces with water-dispersion paints and varnishes based on chemical solvents. Seamless design of the roller makes the painted surface smoother. Characterized by high wear resistance.

| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 806269 | changeable, 180 mm, pile 18 mm, Ø 48 mm, handle D 8 mm | 50      | 1           |
| 806279 | changeable, 250 mm, pile 18 mm, Ø 48 mm, handle D 8 mm | 50      | 1           |

Greytex paint roller, polyacril



Suitable for work on a smoother surface with water-dispersion paints and varnishes based on chemical solvents. Seamless design of the roller makes the painted surface smoother. Has a long lifetime.

| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 807359 | changeable, 180 mm, pile 12 mm, Ø 48 mm, handle D 8 mm | 50      | 5           |
| 807419 | changeable, 250 mm, pile 12 mm, Ø 48 mm, handle D 8 mm | 50      | 5           |

Syntax paint roller, polyacril



Cage of paint roller is protected against corrosion. Used for applying water-dispersion paints and varnishes based on chemical solvents. Absorbs and holds paint material. Used to work on rough surfaces.

| item   | specification                            | package | min package |
|--------|--|---------|-------------|
| 806299 | with handle, 180 mm, pile 18 mm, D 48 mm | 24      | 1           |
| 806359 | with handle, 250 mm, pile 18 mm, D 48 mm | 24      | 1           |

Microfibre paint roller, polyaster



Due to the hyperfine structure of the microfiber the paint roller has excellent moisture absorbency and distinguishing properties which allows obtaining a perfectly flat surface. It is used for work with water-dispersion paints and varnishes based on chemical solvents.

| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 807029 | changeable, 180 mm, pile 18 mm, Ø 48 mm, handle D 8 mm | 100     | 20          |
| 807069 | changeable, 250 mm, pile 18 mm, Ø 48 mm, handle D 8 mm | 100     | 20          |

Facade paint roller

Polytex facade paint roller, changeable, polyacril



Long pile allows paint absorbing and overall spreading. Used to work on rough surfaces (for facade work) with water-dispersion paints and varnishes based on chemical solvents. Has a long lifetime.

| item   | specification                              | package | min package |
|--------|--|---------|-------------|
| 807629 | 180 mm, pile 18 mm, Ø 69 mm, handle D 8 mm | 50      | 1           |
| 807689 | 250 mm, pile 18 mm, Ø 69 mm, handle D 8 mm | 50      | 1           |

Tetracolor facade paint roller, changeable, polyacril



Suitable for use with water-dispersion paints and varnishes based on chemical solvents. Good fills uneven surfaces. This paint roller has good absorbing and retaining properties. Has a long lifetime.

| item   | specification                              | package | min package |
|--------|--|---------|-------------|
| 807719 | 180 mm, pile 18 mm, Ø 69 mm, handle D 8 mm | 50      | 1           |
| 807779 | 250 mm, pile 18 mm, Ø 69 mm, handle D 8 mm | 50      | 1           |

Microfibre facade paint roller, changeable, polyester



Due to the hyperfine structure of the microfiber the paint roller has excellent moisture absorbency and distinguishing properties, which allows obtaining a perfectly flat surface. It is used for work with water-dispersion paints and varnishes based on chemical solvents.

| item   | specification  | package | min package |
|--------|--|---------|-------------|
| 807019 | changeable, 180 mm, pile 15 mm, Ø 60 mm, handle D 8 mm | 100     | 20          |
| 807079 | changeable, 250 mm, pile 15 mm, Ø 60 mm, handle D 8 mm | 100     | 20          |



### Girpaint paint roller, polyacril



The roller is made of polyacryl. Fluff pile has excellent absorbency and retention capacity, which allows good paint irregularities and roughness of hard surfaces, providing high-quality coverage. Suitable for use with all types of paint-and-lacquer materials. Designed to work in tight spaces.

| item          | specification                    | package | min package |
|---------------|----------------------------------|---------|-------------|
| <b>806809</b> | angular, with handle, pile 12 mm | 100     | 1           |

### Mini-roller

#### Nylon Standard mini-roller, changeable, polyamide



Suitable for working on smooth and semi-smooth surfaces with water-dispersion paints and varnishes based on chemical solvents. Characterized by high wear resistance.

| item          | specification                             | package | min package |
|---------------|---|---------|-------------|
| <b>806079</b> | 70 mm, pile 9 mm, Ø 16 mm, handle D 6 mm  | 300     | 10          |
| <b>806099</b> | 100 mm, pile 9 mm, Ø 16 mm, handle D 6 mm | 200     | 10          |
| <b>806109</b> | 150 mm, pile 9 mm, Ø 16 mm, handle D 6 mm | 100     | 10          |

#### Nylon Profi mini-roller, changeable, polyamide



Designed for use with water-dispersion paints and varnishes based on chemical solvents on small rough surface. Characterized by high wear resistance.

| item          | specification                              | package | min package |
|---------------|--|---------|-------------|
| <b>806039</b> | 70 mm, pile 12 mm, Ø 16 mm, handle D 6 mm  | 300     | 1           |
| <b>806049</b> | 100 mm, pile 12 mm, Ø 16 mm, handle D 6 mm | 200     | 10          |
| <b>806069</b> | 150 mm, pile 12 mm, Ø 16 mm, handle D 6 mm | 100     | 10          |

### Girpaint mini-roller, polyacril



It is used for applying water-dispersion paints and varnishes based on chemical solvents on small smooth and rough surfaces. Has a long lifetime.

| item          | specification  | package | min package |
|---------------|--|---------|-------------|
| <b>807119</b> | changeable, 100 mm, pile 12 mm, Ø 16 mm, handle D 6 mm | 200     | 10          |
| <b>807269</b> | changeable, 150 mm, pile 12 mm, Ø 16 mm, handle D 6 mm | 200     | 1           |

### Polytex mini-roller, changeable, polyacril



Suitable for use with water-dispersion paints and varnishes based on chemical solvents. Roller fills uneven surfaces well and has good absorbing and retaining properties. Has a long lifetime. Designed to work on small parts of the surface.

| item          | specification                              | package | min package |
|---------------|--|---------|-------------|
| <b>807089</b> | 100 mm, pile 12 mm, Ø 16 mm, handle D 6 mm | 200     | 1           |
| <b>807239</b> | 150 mm, pile 12 mm, Ø 16 mm, handle D 6 mm | 200     | 1           |

### Syntex mini-roller, polyacril



Designed for applying water-dispersion paints and varnishes based on chemical solvents. The roller is used to work on small surface roughness and has a long lifetime.

| item          | specification                              | package | min package |
|---------------|--|---------|-------------|
| <b>806129</b> | 70 mm, pile 12 mm, Ø 16 mm, handle D 6 mm  | 300     | 10          |
| <b>806139</b> | 100 mm, pile 12 mm, Ø 16 mm, handle D 6 mm | 200     | 10          |
| <b>806149</b> | 150 mm, pile 12 mm, Ø 16 mm, handle D 6 mm | 100     | 10          |

### Velour mini-roller, 50% wool, 50% polyacril



The roller is made of 50% sheep wool, 50% polyacrylic. Ideal for creating smooth surfaces at varnishing works. It is used with all types of lacquers. Has good resistance to aggressive compounds.

| item          | specification                             | package | min package |
|---------------|---|---------|-------------|
| <b>806159</b> | 70 mm, pile 4 mm, Ø 16 mm, handle D 6 mm  | 300     | 10          |
| <b>806169</b> | 100 mm, pile 4 mm, Ø 16 mm, handle D 6 mm | 200     | 10          |
| <b>806179</b> | 150 mm, pile 4 mm, Ø 16 mm, handle D 6 mm | 100     | 10          |

### Wallpaper roller

#### Pressure roller



The pressure roll is made of plastic. The tool is used for smoothing seams at pasting wall wallpaper.

| item          | specification               | package | min package |
|---------------|-----------------------------|---------|-------------|
| <b>806369</b> | 50 mm, barrel-type, plastic | 24      | 1           |
| <b>806379</b> | 50 mm, cone-type, plastic   | 24      | 1           |





The pressure roller is made of viscoelastic foam rubber. The handle is made of impact resistant plastic and has an ergonomic design. Nickel-plated cage is protected against corrosion. The tool is used to press wallpaper to a wall and to remove air bubbles.

| item          | specification  | package | min package |
|---------------|----------------|---------|-------------|
| <b>810059</b> | 40 mm, rubber  | 24      | 1           |
| <b>810159</b> | 150 mm, rubber | 24      | 1           |
| <b>810309</b> | 175 mm, rubber | 24      | 1           |

### Structural foam roller with handle



Designed for applying structural paints and plasters for textured surface coating. Recommended for use with structural paint and plaster. Do not use with aggressive paint formulations.

| item          | specification           | package | min package |
|---------------|-------------------------|---------|-------------|
| <b>802209</b> | 230 mm, Ø 80 mm, smooth | 50      | 1           |



Designed for applying structural paints and plasters for textured surface coating. Recommended for use with structural paint and plaster. Do not use with aggressive paint formulations.

| item          | specification          | package | min package |
|---------------|------------------------|---------|-------------|
| <b>802219</b> | 230 mm, Ø 80 mm, rough | 50      | 1           |



Designed for applying structural paints and plasters for textured surface coating. Recommended for use with structural paint and plaster. Do not use with aggressive paint formulations.

| item          | specification             | package | min package |
|---------------|---------------------------|---------|-------------|
| <b>802229</b> | 230 mm, Ø 80 mm, pea-type | 50      | 1           |

### Porcupine roller



Porcupine roller has a metal cage and a long wooden handle. The roller is designed for the application of point cuts on a sheet of drywall for further shape changing.

| item          | specification                                  | package | min package |
|---------------|--|---------|-------------|
| <b>879019</b> | 150 mm, for plasterboard, wooden handle 500 mm | 36      | 6           |

### Nickel-plated handle for roller, D 6 mm



Nickel-plated cage is protected against corrosion. The handle is made of impact resistant plastic and has an ergonomic design. The handle central hole is designed for telescopic handle.

| item          | specification         | package | min package |
|---------------|-----------------------|---------|-------------|
| <b>812159</b> | 180 mm, nickel-plated | 50      | 10          |

### Two-component handle for roller, D 8 mm



Nickel-plated cage is protected against corrosion. The handle is made of impact resistant plastic and has an ergonomic design. The handle central hole is designed for telescopic handle.

| item          | specification  | package | min package |
|---------------|----------------|---------|-------------|
| <b>812219</b> | 180 mm, Ø 8 mm | 50      | 10          |
| <b>812229</b> | 250 mm, Ø 8 mm | 50      | 10          |

### Metal telescopic handle for roller and ceiling brush



The telescopic handle is made of lightweight aluminum alloy. It is used for ceilings and high walls painting with rollers and flywheel brushes.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>812309</b> | 0,75–1,5 m    | 20      | 1           |
| <b>812319</b> | 1,0–2 m       | 20      | 1           |
| <b>812329</b> | 1,5–3 m       | 20      | 1           |



The telescopic handle is made of lightweight aluminum alloy. A screw joint can be connected with special adapter (8125159), whereby a paint roller is places on the handle. The telescopic handle is used for ceilings and high walls painting with rollers and flywheel brushes.

| item          | specification                    | package | min package |
|---------------|----------------------------------|---------|-------------|
| <b>812509</b> | 1,20–2,40 m, threaded connection | 24      | 12          |






Special adapter for telescopic handle. Suitable for 812509 item.

| item           | specification                                 | package | min package |
|----------------|---|---------|-------------|
| <b>8125159</b> | Adapter for telescopic handle for 812509 item | 48      | 1           |

## Brush

### Standard flat brush, natural bristle, wooden handle




The brush has one-boiled bristle. The bristle ends are barbed. The thickness of the brush from 9 to 16 mm. The bristle is fixed by a metal rim with anti-corrosion coating. Lacquered wooden handle is thickened in the touch area. The brush is designed to work with oil paints and varnishes.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>825159</b> | 3/4" (20 mm)  | 1080    | 12          |
| <b>825209</b> | 1" (25 mm)    | 720     | 12          |
| <b>825259</b> | 1,5" (38 mm)  | 600     | 12          |
| <b>825309</b> | 2" (50 mm)    | 480     | 12          |
| <b>825359</b> | 2,5" (63 mm)  | 300     | 12          |
| <b>825409</b> | 3" (75 mm)    | 240     | 12          |
| <b>825459</b> | 4" (100 mm)   | 240     | 12          |

### Decor flat brush, natural bristle, wooden handle




The brush has double-boiled black long natural bristle. The bristle ends are barbed. The thickness of the brush from 10.5 to 23 mm. The bristle is fixed by a metal rim with anti-corrosion coating. Painted wooden handle has an ergonomic design that makes work more comfortable. The brush is used to work with oil paints and varnishes, resistant to aggressive compounds.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>826159</b> | 3/4" (20 mm)  | 1200    | 12          |
| <b>826209</b> | 1" (25 mm)    | 600     | 12          |
| <b>826259</b> | 1,5" (38 mm)  | 600     | 12          |
| <b>826309</b> | 2" (50 mm)    | 360     | 12          |
| <b>826359</b> | 2,5" (63 mm)  | 240     | 12          |
| <b>826409</b> | 3" (75 mm)    | 240     | 12          |

### Euro flat brush, natural bristle, wooden handle




The brush has double-boiled natural bristle. The bristle ends are barbed. The thickness of the brush from 10.5 to 22 mm. The bristle is fixed by a metal rim with anti-corrosion coating. Lacquered wooden handle with hanging hole has an ergonomic design that makes work more comfortable. The brush is used to work with oil paints and varnishes, resistant to aggressive compounds.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>830509</b> | 3/4" (20 mm)  | 600     | 12          |
| <b>830519</b> | 1" (25 mm)    | 480     | 12          |
| <b>830529</b> | 1,5" (38 mm)  | 300     | 12          |
| <b>830539</b> | 2" (50 mm)    | 240     | 12          |
| <b>830549</b> | 2,5" (63 mm)  | 240     | 12          |
| <b>830569</b> | 3" (75 mm)    | 144     | 12          |
| <b>830579</b> | 4" (100 mm)   | 120     | 12          |

### Euro flat brush, natural bristle, plastic handle




The brush has double-boiled natural bristle. The bristle ends are barbed. The thickness of the brush from 10.5 to 22 mm. The bristle is fixed by a metal rim with anti-corrosion coating. Plastic handle with hanging hole has an ergonomic design that makes work more comfortable. The brush is used to work with oil paints and varnishes, resistant to aggressive compounds.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>830609</b> | 3/4" (20 mm)  | 600     | 12          |
| <b>830619</b> | 1" (25 mm)    | 480     | 12          |
| <b>830629</b> | 1,5" (38 mm)  | 300     | 12          |
| <b>830639</b> | 2" (50 mm)    | 240     | 12          |
| <b>830649</b> | 2,5" (63 mm)  | 240     | 12          |
| <b>830669</b> | 3" (75 mm)    | 144     | 12          |
| <b>830679</b> | 4" (100 mm)   | 120     | 12          |

### Profi flat brush, natural bristle, wooden handle




The brush has double-boiled natural bristle. The bristle ends are barbed. The thickness of the brush from 13 to 24 mm. The bristle is fixed by a metal rim with anti-corrosion coating. Painted wooden handle with hanging hole has an ergonomic design that makes the work more comfortable. The brush is used to work with oil paints and varnishes, resistant to aggressive compounds. Designed specifically for professional work.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>831509</b> | 1" (25 mm)    | 600     | 12          |
| <b>831519</b> | 1,5" (38 mm)  | 300     | 1           |
| <b>831529</b> | 2" (50 mm)    | 240     | 1           |
| <b>831539</b> | 2,5" (63 mm)  | 240     | 12          |
| <b>831549</b> | 3" (75 mm)    | 120     | 12          |
| <b>831559</b> | 4" (100 mm)   | 120     | 12          |

### Profi flat brush, natural bristle, plastic handle




The brush has double-boiled natural bristle. The bristle ends are barbed. The thickness of the brush from 13 to 24 mm. The bristle is fixed by a metal rim with anti-corrosion coating. Plastic handle with hanging hole has an ergonomic design that makes the work more comfortable. The brush is used to work with oil paints and varnishes, resistant to aggressive compounds. Designed specifically for professional work.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>831609</b> | 1" (25 mm)    | 600     | 12          |
| <b>831619</b> | 1,5" (38 mm)  | 300     | 12          |
| <b>831629</b> | 2" (50 mm)    | 240     | 12          |
| <b>831639</b> | 2,5" (63 mm)  | 240     | 12          |
| <b>831649</b> | 3" (75 mm)    | 120     | 12          |
| <b>831659</b> | 4" (100 mm)   | 120     | 12          |

## Golden flat brush, synthetic bristle, wooden handle



The tapered hollow bristles absorb paint well and provide a more accurate work. The thickness of the brush from 13 to 25 mm. The bristle is fixed by a metal rim with anti-corrosion coating. Lightweight wooden handle has a hanging hole. The brush is designed to work with all types of paint, resistant to aggressive compounds.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>832169</b> | 1" (25 mm)    | 432     | 12          |
| <b>832189</b> | 1,5" (38 mm)  | 240     | 12          |
| <b>832229</b> | 2" (50 mm)    | 192     | 1           |
| <b>832249</b> | 2,5" (63 mm)  | 144     | 12          |
| <b>832269</b> | 3" (75 mm)    | 96      | 12          |
| <b>832289</b> | 4" (100 mm)   | 72      | 6           |

## Platinum flat brush, synthetic bristle, wooden handle



The brush has synthetic bristles. The thickness of the brush from 13 to 25 mm. The tapered brush has a different length bristles to provide a more accurate work. The bristle is fixed by a stainless steel rim. Lightweight wooden handle has a hanging hole. Brush is designed to work with all types of paint, resistant to aggressive compounds. Ideal for works on smooth and rough surfaces.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>833159</b> | 1" (25 mm)    | 432     | 12          |
| <b>833209</b> | 1,5" (38 mm)  | 240     | 12          |
| <b>833259</b> | 2" (50 mm)    | 192     | 12          |
| <b>833309</b> | 2,5" (63 mm)  | 144     | 12          |
| <b>833359</b> | 3" (75 mm)    | 96      | 12          |
| <b>833409</b> | 4" (100 mm)   | 72      | 6           |

## Profi round brush, natural bristle, wooden handle



The brush has a light natural bristle. The bristle ends are barbed. The tapered brush has a different length bristles to provide a more accurate work. The bristle is fixed by a metal rim with anti-corrosion coating. Three-component ergonomic rubberized handle does not slip in a hand and has a hanging hole. Brush is designed to work with oil paints and varnishes, resistant to aggressive compounds.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>820419</b> | № 2 (20 mm)   | 960     | 12          |
| <b>820429</b> | № 4 (25 mm)   | 720     | 12          |
| <b>820449</b> | № 6 (30 mm)   | 600     | 12          |
| <b>820459</b> | № 8 (35 mm)   | 480     | 12          |
| <b>820479</b> | № 10 (40 mm)  | 360     | 12          |
| <b>820489</b> | № 12 (45 mm)  | 240     | 12          |
| <b>820519</b> | № 14 (50 mm)  | 180     | 6           |
| <b>820539</b> | № 16 (55 mm)  | 120     | 12          |

## Round brush, natural bristle, wooden handle



The brush has a light natural bristle. The bristle ends are barbed. Brush diameter from 20 to 65 mm. The bristle is fixed by a plastic rim. The handle is made of wood. The brush is designed to work with oil paints and varnishes, resistant to aggressive compounds. Used for painting and flattening of small surface area.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>820729</b> | № 2 (20 mm)   | 960     | 12          |
| <b>820749</b> | № 4 (25 mm)   | 720     | 12          |
| <b>820769</b> | № 6 (30 mm)   | 600     | 12          |
| <b>820789</b> | № 8 (35 mm)   | 480     | 12          |
| <b>820809</b> | № 10 (40 mm)  | 360     | 12          |
| <b>820829</b> | № 12 (45 mm)  | 240     | 12          |
| <b>820849</b> | № 14 (50 mm)  | 240     | 1           |
| <b>820869</b> | № 16 (55 mm)  | 120     | 12          |
| <b>820889</b> | № 18 (60 mm)  | 120     | 12          |
| <b>820909</b> | № 20 (65 mm)  | 120     | 6           |

## Brush for radiator painting, natural bristle, wooden handle



The brush has double-boiled natural bristle. The bristle ends are barbed. The thickness of the brush from 6 to 10 mm. The bristle is fixed by a metal rim with anti-corrosion coating. The extended wooden handle does not slip in a hand. Brush is used for painting work in hard-to-reach place (radiator, pipe, surface behind radiator). Designed for use with oil-based paints and varnishes, resistant to aggressive compounds.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>838409</b> | 1" (25 mm)    | 600     | 12          |
| <b>838439</b> | 1,5" (38 mm)  | 300     | 12          |
| <b>838469</b> | 2" (50 mm)    | 300     | 12          |
| <b>838499</b> | 2,5" (63 mm)  | 300     | 12          |
| <b>838529</b> | 3" (75 mm)    | 300     | 12          |

## Finishing brush, natural bristle, plastic body, plastic handle



The brush has long natural bristle. The bristle ends are barbed. The bristle is fixed by a metal rim with anti-corrosion coating. Plastic handle is thickened in the touch area and has a hanging hole. Brush is used for painting of large surfaces. Designed to work with oil paints, lacquers and applying adhesive

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>841209</b> | 30 x 70 mm    | 192     | 12          |
| <b>841219</b> | 30 x 100 mm   | 144     | 12          |
| <b>841229</b> | 30 x 120 mm   | 144     | 12          |
| <b>841239</b> | 40 x 140 mm   | 96      | 6           |
| <b>841249</b> | 50 x 150 mm   | 96      | 6           |

## Finishing brush, synthetic bristle, plastic body, plastic handle



The brush has synthetic bristles. The bristle ends are barbed. The bristles are firmly pressed into the body. Handle and body of the brush are made of plastic. The handle central hole is designed for telescopic handle which allows working in tight spaces. Brush is used with water-dispersion paints for adhesives applying and sizing.

| item          | specification   | package | min package |
|---------------|-----------------|---------|-------------|
| <b>841109</b> | round, Ø 110 mm | 72      | 12          |





The brush has synthetic bristles. The bristle ends are barbed. The bristle is fixed by a metal rim with anti-corrosion coating. Plastic handle has a hanging hole. The brush is used for painting large surfaces and adhesives application.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>841259</b> | 30 x 70 mm    | 192     | 12          |
| <b>841269</b> | 30 x 100 mm   | 144     | 12          |
| <b>841279</b> | 30 x 120 mm   | 144     | 12          |
| <b>841289</b> | 40 x 140 mm   | 96      | 6           |
| <b>841299</b> | 50 x 150 mm   | 96      | 6           |

### Finishing brush, synthetic bristle, wooden body, plastic handle



The brush has synthetic bristles. The bristle ends are barbed. The thickness of the brush from 52 to 70 mm. The plastic handle central hole is designed for telescopic handle which allows working in tight spaces. Used with water-dispersion, oil paints and varnishes. Brush is designed for painting large surfaces and adhesives application.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>840849</b> | 140 x 52 mm   | 72      | 6           |
| <b>840869</b> | 170 x 70 mm   | 72      | 12          |
| <b>840889</b> | 150 x 70 mm   | 72      | 12          |

## Brush

### Wallpaper brush



The brush has synthetic bristles. Lacquered wooden handle is sanded. The brush is used for wallpapering of rooms.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>846659</b> | 300 mm        | 72      | 12          |

### Galvanized steel mixer paddle, SDS-shank



The galvanized steel mixer paddle for electric tools. Designed for sand-gravels mixing. SDS+ shank.

| item          | specification     | package | min package |
|---------------|-------------------|---------|-------------|
| <b>848259</b> | D 60 mm, L 400 mm | 1       | 20          |
| <b>848269</b> | D 80mm, L 400 mm  | 1       | 20          |
| <b>848279</b> | D 100mm, L 450 mm | 1       | 20          |
| <b>848289</b> | D 120mm, L 600 mm | 1       | 20          |

### Mixer paddle, hexagonal shank

The galvanized steel mixer paddle for electric tools. Designed for plasters, self-leveling floor compounds and other building solutions mixing. 8 mm hexagonal shank.



| item          | specification   | package | min package |
|---------------|-----------------|---------|-------------|
| <b>848419</b> | D 80, L 530 mm  | 1       | 32          |
| <b>848429</b> | D 100, L 590 mm | 1       | 18          |

### Professional galvanized mixer paddle



| item          | specification             | package | min package |
|---------------|---------------------------|---------|-------------|
| <b>848439</b> | 60 x 400 mm, shank 6 mm   | 1       | 36          |
| <b>848449</b> | 80 x 400 mm, shank 8 mm   | 1       | 12          |
| <b>848459</b> | 100 x 600 mm, shank 8 mm  | 1       | 12          |
| <b>848469</b> | 120 x 600 mm, shank 10 mm | 1       | 12          |

### Universal galvanized mixer paddle, SDS-shank



The galvanized steel mixer paddle for electric tools. Designed for paints and plasters mixing. SDS+ shank.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>848819</b> | 60 x 400 mm   | 1       | 36          |
| <b>848829</b> | 80 x 400 mm   | 1       | 12          |
| <b>848839</b> | 100 x 600 mm  | 1       | 12          |
| <b>848849</b> | 120 x 600 mm  | 1       | 12          |

### Mixer paddle for heavy plaster, shank M14



The galvanized steel mixer paddle for electric tools. Designed for heavy plaster (cement, concrete or other dense materials) mixing. M14 bolted joint shank.

| item         | specification                  | package | min package |
|--------------|--------------------------------|---------|-------------|
| <b>84894</b> | 120 mm, bolted joint shank M14 | 1       | 12          |
| <b>84895</b> | 140 mm, bolted joint shank M14 | 1       | 12          |
| <b>84896</b> | 160 mm, bolted joint shank M14 | 1       | 12          |

### Mixer paddle for light plaster, shank M14



The galvanized steel mixer paddle for electric tools. Designed for light plaster (paints, adhesives and other liquid, fluid or elastic materials) mixing. M14 bolted joint shank.

| item         | specification                  | package | min package |
|--------------|--------------------------------|---------|-------------|
| <b>84897</b> | 120 mm, bolted joint shank M14 | 1       | 12          |
| <b>84898</b> | 140 mm, bolted joint shank M14 | 1       | 12          |
| <b>84899</b> | 160 mm, bolted joint shank M14 | 1       | 12          |

### Paint mixer paddle



The painted metal paddle for an electric tool. Designed for mixing of paints and plasters. Mixing material mass is 12-15 kg.

| item          | specification    | package | min package |
|---------------|------------------|---------|-------------|
| <b>848709</b> | 60 x 8 x 400 mm  | 20      | 1           |
| <b>848749</b> | 85 x 8 x 400 mm  | 20      | 1           |
| <b>848759</b> | 100 x 8 x 600 mm | 20      | 1           |

## Plumb bob, cord

### Cylindrical plumb bob with cord



Designed for laying of bevels, vertical lines and marking of surfaces at paint and construction works. Made of steel with a galvanized coating.

| item   | specification    | package | min package |
|--------|------------------|---------|-------------|
| 848369 | 100 g, cord 30 m | 120     | 12          |

### Conical plumb bob with cord



Designed for laying of bevels, vertical lines and marking of surfaces at paint and construction works. Made of steel with a galvanized coating.

| item   | specification   | package | min package |
|--------|-----------------|---------|-------------|
| 848319 | 100 g, cord 5 m | 120     | 12          |
| 848329 | 200 g, cord 5 m | 60      | 6           |
| 848339 | 300 g, cord 5 m | 60      | 6           |
| 848349 | 400 g, cord 5 m | 60      | 10          |

## Striping cord



The set includes a striping cord in a plastic rubberized case and red chalk powder (115 g bottle). Designed for laying of bevels, vertical lines and marking of surfaces at construction and finishing works.

| item   | specification                                 | package | min package |
|--------|---|---------|-------------|
| 848559 | 30 m, in a plastic rubbered case + red powder | 50      | 25          |

## Powder for striping cord



Used for filling a striping cord.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 848579 | 50 g, red     | 200     | 20          |
| 848619 | 50 g, blue    | 200     | 1           |
| 848589 | 115 g, red    | 100     | 10          |
| 848609 | 115 g, blue   | 100     | 10          |

## Spackle knife

### Scraper



The blade of the scraper is made of steel. The scraper has a plastic handle. Used for surface cleaning of an old paint, rust, etc. The special shape of the scraper allows cleaning a pipe.

| item   | specification         | package | min package |
|--------|-----------------------|---------|-------------|
| 852999 | steel, plastic handle | 120     | 12          |

### Spackle knife, stainless steel blade, two-component handle



The scraper profiled blade is made of stainless steel. The two-component (plastic + rubber) handle is thickened in the hand touching area. Designed for application, leveling and smoothing of filler on a surface.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 855049 | 40 mm         | 240     | 12          |
| 855059 | 50 mm         | 240     | 12          |
| 855069 | 60 mm         | 240     | 12          |
| 855089 | 80 mm         | 240     | 12          |
| 855109 | 100 mm        | 240     | 12          |
| 855129 | 120 mm        | 240     | 12          |
| 855159 | 150 mm        | 240     | 12          |



The blade of the scraper is made of steel. The high blade allows using a large amount of material. The ergonomic handle with rubber insert does not slip in a hand. The scraper is designed for applying of spackeling compound and plaster for leveling of a surface.

| item   | specification | package | min package |
|--------|---------------|---------|-------------|
| 855029 | 200 mm        | 60      | 12          |
| 855039 | 300 mm        | 60      | 12          |

## Stainless steel trowel, wooden handle



The mirror polished trowel blade is made of stainless steel. The strengthened wooden handle has a metal back-plate. Designed for stacking, spraying and leveling sand and cement mortar.

| item   | specification        | package | min package |
|--------|----------------------|---------|-------------|
| 863169 | 120 x 79 mm, trapeze | 60      | 12          |
| 863189 | 140 x 82 mm, trapeze | 60      | 12          |
| 863209 | 160 x 84 mm, trapeze | 60      | 12          |



## Stainless steel trowel for internal angles, wooden handle



The mirror polished trowel blade is made of stainless steel. The strengthened lacquered wooden handle has a metal back-plate. The special shape of the trowel is ideal to use for application finishing mortar on the surface of the internal angles.

| item          | specification    | package | min package |
|---------------|------------------|---------|-------------|
| <b>863089</b> | 80 x 60 x 60 mm  | 120     | 12          |
| <b>863109</b> | 110 x 75 x 75 mm | 60      | 12          |

## Stainless steel trowel for external angles, wooden handle



The mirror polished trowel blade is made of stainless steel. The strengthened wooden handle has a metal back-plate. The special shape of the trowel is ideal to use for application finishing mortar on the surface of the external angles.

| item          | specification    | package | min package |
|---------------|------------------|---------|-------------|
| <b>863129</b> | 80 x 60 x 60 mm  | 120     | 12          |
| <b>863149</b> | 110 x 75 x 75 mm | 60      | 10          |

## Coated plastic float



The float is made of polyurethane. The working surface of the tool has a coating which provides an ideal smoothing of surfaces. 868019 is rubber-coated; 868029 with a spongy surface. Used for floating and smoothing of surfaces.

| item          | specification               | package | min package |
|---------------|-----------------------------|---------|-------------|
| <b>868019</b> | 280 x 140 mm, rubber-coated | 50      | 1           |
| <b>868029</b> | 280 x 140 mm, sponge-coated | 50      | 1           |

## Plastic float



The float blade is made of impact-resistant plastic. Blade thickness is 3 mm. The tool has ergonomic plastic handle. The float is designed for floating and smoothing of surfaces by plaster mixes.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>867219</b> | 280 x 130 mm  | 60      | 12          |

## Mirror-finished steel float with plastic handle



The mirror polished float blade is made of high carbon steel. The ergonomic handle is made of impact resistant plastic. The float is designed for floating and smoothing of surfaces by plaster mixes and adhesive mixes.

| item          | specification                 | package | min package |
|---------------|-------------------------------|---------|-------------|
| <b>867749</b> | 280 x 130 mm, steel           | 60      | 12          |
| <b>867769</b> | 280 x 130 mm, stainless steel | 60      | 12          |



The float blade is made of high carbon steel. The ergonomic handle is made of impact resistant plastic. The working surface of the tool has square teeth. The float is designed for floating and smoothing of surfaces by plaster mixtures and adhesive mixes.

| item          | specification                | package | min package |
|---------------|------------------------------|---------|-------------|
| <b>867759</b> | 280 x 130 mm, tooth 6 x 6 mm | 60      | 12          |

## Mirror-finished steel float with wooden handle



The float blade is made of high carbon steel. The tool has a polished surface and a wooden handle. The float is designed for floating and smoothing of surfaces by plaster mixes.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>867329</b> | 280 x 130 mm  | 60      | 10          |

## Stainless steel float with wooden handle



The mirror polished float blade is made of stainless steel. The tool has a wooden handle. The float is designed for floating and smoothing of surfaces by plaster and adhesive mixes. 867349 and 867359 items are used for work on large surfaces.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>867339</b> | 280 x 130 mm  | 60      | 12          |
| <b>867349</b> | 480 x 130 mm  | 40      | 4           |
| <b>867359</b> | 600 x 130 mm  | 40      | 4           |



The mirror polished float blade is made of stainless steel. The tool has a wooden handle. The float is designed for floating and smoothing of surfaces by plaster mixtures and adhesive mixes. The working surface of the tool has square teeth.

| item          | specification                | package | min package |
|---------------|------------------------------|---------|-------------|
| <b>867379</b> | 280 x 130 mm, tooth 6 x 6 mm | 60      | 12          |

## Glass-cutter

### Glass-cutter



The single-roll glass-cutter has a hollow handle of impact resistant plastic with metal-tipped-caps. The cutting element is a cutting wheel made of the hard alloy VK-8. The space of the handle is filled with spindle oil, kerosene, etc., for cutting efficiency upgrading. The head of the glass-cutter has a special form for work with glass under negative and positive cutting angles.

| item          | specification                 | package | min package |
|---------------|-------------------------------|---------|-------------|
| <b>872649</b> | oil single-roll, metal handle | 240     | 6           |

## Glass-cutter/tile-cutter plier



The tool is designed for cutting ceramic tile and glass. The cutting element is a cutting wheel made of the hard alloy VK-8. 878309 item with aluminum rest, 878409 item with plastic rest.

| item          | specification         | package | min package |
|---------------|-----------------------|---------|-------------|
| <b>878309</b> | 200 mm, aluminum rest | 60      | 1           |
| <b>878409</b> | 200 mm, plastic rest  | 60      | 10          |

## Aluminum glass jack

The tool is made of aluminum alloy. It is designed to work with plate glass and metal. The reliable vacuum fixation of glass jack's sucking dishes help to carry and install window glass and double glazing. 8752059 item with two sucking dish, 8752559 item with three sucking dish. Double-action glass jack's load capacity is up to 80 kg, triple-action glass jack's load capacity is up to 100 kg.



| item           | specification | package | min package |
|----------------|---------------|---------|-------------|
| <b>8752059</b> | double-action | 12      | 1           |



| item           | specification | package | min package |
|----------------|---------------|---------|-------------|
| <b>8752559</b> | triple-action | 6       | 1           |

## Tile-cutter

### Tile-cutter, solid plate, guide with bearing, strengthened handle



The tool is designed for cutting ceramic tile thickness up to 16 mm and a length of 400 to 600 mm (depending on model). The cutting element is a cutting wheel made of the hard alloy VK-8. The rubber-coated one-piece frame provides stability of tool on the workbench and fixity of tiles. The two tubular rails are made of chrome-plated steel with corrosion-preventive compound. The rails provide easy running of runner block while in operation. The runner block is a massive one-piece enclosed case. Due to ball bearing the runner block moves freely along the guides. The tool is equipped with turning metal angle to size adjusting and workpiece fixing.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>876059</b> | 400 x 16 mm   | 1       | 1           |
| <b>876079</b> | 500 x 16 mm   | 1       | 1           |
| <b>876099</b> | 600 x 16 mm   | 1       | 1           |

## Tile-cutter



The tool is designed for cutting ceramic tile thickness up to 14 mm and a length of 300 to 600 mm (depending on model). The cutting element is a cutting wheel made of the hard alloy VK-8. The guide rails are made of high quality steel with corrosion-resistant coating. Added circle hole cutter allows cutting holes in the tile with a diameter up to 80 mm. 876229, 876259 models are equipped with turning metal angle to size adjusting and workpiece fixing.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>876139</b> | 300 x 12 mm   | 6       | 1           |
| <b>876169</b> | 350 x 12 mm   | 10      | 1           |
| <b>876199</b> | 400 x 12 mm   | 6       | 1           |
| <b>876229</b> | 500 x 14 mm   | 1       | 1           |
| <b>876259</b> | 600 x 14 mm   | 1       | 1           |

### Tile-cutter, with circle hole cutter and turning metal angle



The tool is designed for cutting ceramic tile thickness up to 16 mm and a length of 400 to 500 mm (depending on model). The cutting element is a cutting wheel made of the hard alloy VK-8. The guide rails are made of high quality steel with corrosion-resistant coating. Added circle hole cutter allows cutting holes in the tile with a diameter up to 80 mm. The turning angle allows to cut the tiles at an angle of 45 degrees, adjusts the size and fixes a workpiece.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>876539</b> | 400 x 16 mm   | 1       | 1           |
| <b>876569</b> | 500 x 16 mm   | 1       | 1           |
| <b>876589</b> | 600 x 16 mm   | 1       | 1           |

## Rail tile-cutter



The tile-cutter has only one guide rail - a special steel alloy I-rail. The tool runner block covers a rail from two sides and moves by ball-bearing mechanism. Due to the special screw bolts the runner block fits tightly to the guide rail. Special alloy and coated of the I-rail provides a secure grip of the ball-bearing mechanism with the guide rail and eliminates slippage runner block at work. Aluminum alloy frame lightens the tool.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>876879</b> | 500 x 16 mm   | 2       | 1           |
| <b>876889</b> | 600 x 16 mm   | 2       | 1           |
| <b>876899</b> | 700 x 16 mm   | 2       | 1           |

## Cutting roller for tile-cutter



The cutting wheel is made of hard alloy VK8. The tool is used as a spare part for different models of tile-cutters for ceramic tile cutting.

| item          | specification  | package | min package |
|---------------|--|---------|-------------|
| <b>876609</b> | 13,5 x 6,0 x 1,0 mm  | 300     | 10          |
| <b>876669</b> | 16,0 x 6,0 x 3,0 mm (for 87653, 87656, 87658 items)                          | 400     | 10          |
| <b>876699</b> | 22,0 x 6,0 x 2,0 mm  | 300     | 10          |
| <b>876709</b> | 22,0 x 10,5 x 2,0 mm (for 87605, 87607, 87609 and 87687, 87688, 87689 items) | 400     | 10          |



## Surform scraper



The scraper is made of plastic. The design of the scraper allows quickly and easily replacing new blade. The tool has special holes for a cutting waste outputting. The scraper is used for processing of gypsum plasterboard, plastic, fiberglass and other easy processed materials.

| item           | specification             | package | min package |
|----------------|---------------------------|---------|-------------|
| <b>8790259</b> | 60 x 40 x 190 mm, plastic | 20      | 1           |

## Surform plane



The surform plane's body is made of plastic. The design of a plane has special holes for a cutting waste outputting. The tool has the fastening parts for quickly and easily new blade replacement. The surform plane is used for processing of gypsum plasterboard, plastic, fiberglass and other easy processed materials.

| item           | specification                         | package | min package |
|----------------|---------------------------------------|---------|-------------|
| <b>8790659</b> | 140 x 42 mm, plastic for plasterboard | 20      | 1           |
| <b>8790859</b> | 250 x 42 mm, plastic for plasterboard | 20      | 1           |



The surform plane's body is made of metal. The design of a plane has special holes for a cutting waste outputting. The tool has the fastening parts for quickly and easily new blade replacement. The surform plane is used for processing of gypsum plasterboard, plastic, fiberglass and other easy processed materials.

| item           | specification                       | package | min package |
|----------------|-------------------------------------|---------|-------------|
| <b>8791459</b> | 250 x 42 mm, metal for plasterboard | 20      | 1           |



The surform plane's body is made of metal. The model is equipped with adjustable plastic handle. The design of a plane has special holes for a cutting waste outputting. The tool has the fastening parts for quickly and easily new blade replacement. The surform plane is used for processing of gypsum plasterboard, plastic, fiberglass and other easy processed materials.

| item           | specification  | package | min package |
|----------------|--|---------|-------------|
| <b>8791659</b> | 250 x 42 mm, metal for plasterboard, adjustable handle | 20      | 1           |

## Spare grid for scrapers and planes



It is used for processing of gypsum plasterboard, plastic, fiberglass and other easy processed materials.

| item           | specification  | package | min package |
|----------------|--|---------|-------------|
| <b>8793259</b> | 140 x 40 mm, 87906, 87910 items                      | 60      | 1           |
| <b>8793659</b> | 250 x 40 mm, 87908, 87914, 87912, 87916, 87918 items | 60      | 10          |

## Puncher for metal profiles for plasterboard



The metal puncher with rubber-coated handle is designed to connect the steel frame structures.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>879509</b> | 325 mm        | 20      | 1           |



Designed to connect the steel frame structures. The metal puncher has rubber-coated handle. Unique leverage mechanism allows one-handed operation.

| item          | specification             | package | min package |
|---------------|---------------------------|---------|-------------|
| <b>879519</b> | 225 mm, for one-hand work | 24      | 6           |

## Tile installations tools

### Magnetic lock for tile cover



The magnetic lock is used for tile covering in four points on perimeter for receiving the hidden niche in a wall.

| item           | specification | package | min package |
|----------------|---------------|---------|-------------|
| <b>9172559</b> | 4pcs set      | 96      | 24          |

### Floor laying installations tools



The floor laying installations kit with tapping block, pull bar and wedge spacers provides correct floor laying installation without damage. The wedge spacers are designed to provide the correct expansion gap at the perimeter of the room. The tapping block and pull bar help to make the installation a tight fit.

| item         | specification                  | package | min package |
|--------------|--------------------------------|---------|-------------|
| <b>88100</b> | Floor laying installations kit | 12      | 1           |



The plastic wedge spacers. 20 pcs/set and 40 pcs/set. It is used for floor laying installations.

| item         | specification   | package | min package |
|--------------|---|---------|-------------|
| <b>88101</b> | Plastic wedge spacer for floor laying installations, 20 pcs | 128     | 20          |





| item         | specification   | package | min package |
|--------------|---|---------|-------------|
| <b>88102</b> | Plastic wedge spacers for floor pavement correction, 40 pcs | 64      | 1           |

### Hole Cutting Tools



The circular drill with a plastic shield grid is used to drill holes in the glass, ceramic tile and plastic. It has carbide blade. The drill construction allows to quickly adjust diameter of a cut in the ranges from 20 to 94 mm, provides an even cut.

| item          | specification  | package | min package |
|---------------|--|---------|-------------|
| <b>882409</b> | Circular drill for tile with protecting grid, 20-90 mm | 20      | 1           |

### Semi-open sealant gun



It is intended for work with standard cartridges 9 (310 mm). 8 mm tooth-type rod. Chromeplated corrosion-resistant coating. The product comes standard with a knife for cutting the cartridge.

| item          | specification                          | package | min package |
|---------------|--|---------|-------------|
| <b>886409</b> | 310 ml, chrome-plated, jagged rod 7 mm | 24      | 1           |



The sealant gun has a steel half-barrel frame and a smooth rod. The plastic handle is biased to the center of body creating a counterbalance, reduces load of hands during the work. It is used to extrude the sealant.

| item          | specification                           | package | min package |
|---------------|---|---------|-------------|
| <b>886669</b> | 310 ml, counter-weight, round stem 6 mm | 24      | 1           |



The gun is used for applying foam. It is convenient for work in hard-to-reach place. It is subject to obligatory washing after completion of works.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>886689</b> | chrome-plated | 20      | 1           |



The professional gun with a teflon covering is used for applying foam. It is indispensable for the installation of windows, doors, roofs and other building constructions for work in hard-to-reach place (places of pipes and walls joints, when installation switches and air conditioners, etc.). Metal body has a two-layer high quality teflon coating interfering foams sticking. With the ability to regulate the foam flow the gun perfectly suitable for accurate, fast and safe filling of cracks and voids.

| item          | specification                       | package | min package |
|---------------|-------------------------------------|---------|-------------|
| <b>886699</b> | teflon-coated, two-component handle | 20      | 1           |

### Protective polyethylene film



The product is made of LDPE, thickness is 7 microns. It is used for finishing and repair work to protect surfaces against dust, dirt, paint, etc.

| item          | specification         | package | min package |
|---------------|-----------------------|---------|-------------|
| <b>888029</b> | 4 x 5 m, 7 micron     | 100     | 1           |
| <b>888039</b> | 4 x 12,5 m, 7 micron  | 50      | 1           |
| <b>888279</b> | 4 x 5 m, 15 micron    | 50      | 1           |
| <b>888289</b> | 4 x 12,5 m, 15 micron | 30      | 1           |

### Tapes

#### Insulation tape



The product is made of PVC. It is used for wiring insulation.

| item          | specification                  | package | min package |
|---------------|--------------------------------|---------|-------------|
| <b>888569</b> | 19 mm x 10 m, white, 3 pcs set | 100     | 1           |



The product is made of PVC. It is used for wiring insulation.

| item          | specification                  | package | min package |
|---------------|--------------------------------|---------|-------------|
| <b>888579</b> | 19 mm x 10 m, black, 3 pcs set | 100     | 10          |



| item          | specification       | package | min package |
|---------------|---------------------|---------|-------------|
| <b>888589</b> | 50 mm x 10 m, black | 200     | 10          |



## Self-adhesive mesh tape



The self-adhesive mesh tape is made of fiberglass. The inner surface has sticky adhesive coated. It has a long service life. The product is used for cracks reinforcing on ceilings and walls before painting or paperhanging to protect surfaces from cracking.



| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>890009</b> | 50 mm x 20 m  | 100     | 1           |
| <b>890019</b> | 50 mm x 10 m  | 100     | 1           |
| <b>890029</b> | 50 mm x 45 m  | 48      | 1           |
| <b>890049</b> | 50 mm x 90 m  | 36      | 1           |
| <b>890069</b> | 100 mm x 10 m | 50      | 1           |
| <b>890079</b> | 100 mm x 20 m | 48      | 1           |
| <b>890099</b> | 100 mm x 45 m | 24      | 1           |
| <b>890109</b> | 150 mm x 20 m | 50      | 1           |
| <b>890129</b> | 100 mm x 90 m | 12      | 1           |
| <b>890139</b> | 150 mm x 10 m | 50      | 1           |
| <b>890159</b> | 150 mm x 45 m | 24      | 1           |
| <b>890169</b> | 150 mm x 90 m | 12      | 1           |

## Auto-darkening welding protective helmet, plastic, with auto-darkening regulator



Material: plastic. Smooth regulation of the darkened tint. The auto-darkening helmet is equipped with continuously variable controls that adjust the shade from a light state to a dark one and back. Protection: MIG, MAG/CO<sub>2</sub>, SMAW, TIG, PLASMA arc welding/cutting. Lens size: 110 x 90 x 9 mm. Field of vision: 98 x 43 mm. UVR penetration: level 16 DIN. IR penetration: level 16 DIN. Darkned state: level 9-13 DIN. Reaction time: 0,2-1 s. Auto recovery time: 1/25000 s. Weight: 520 g.



| item          | specification                               | package | min package |
|---------------|---|---------|-------------|
| <b>891319</b> | Optimal welder's mask with autodarken glass | 1       | 16          |



The auto-darkening helmet is equipped with continuously variable controls that adjust the shade from a light state to a dark one and back. Protection: MIG, MAG/CO<sub>2</sub>, SMAW, TIG, PLASMA arc welding/cutting. Lens size: 110 x 90 x 9 mm. Field of vision: 98 x 43 mm. UVR penetration: level 16 DIN. IR penetration: level 16 DIN. Darkned state: level 9-13 DIN. Reaction time: 0,2-1 s. Auto recovery time: 1/25000 s. Weight: 520 g.



| item         | specification   | package | min package |
|--------------|---|---------|-------------|
| <b>89133</b> | MMA, MIG, MAG, TIG, PLASMA, 16 DIN, dwell time 0,2-1 s, response time 1/25000 s | 6       | 1           |



Protection: MIG, MAG/CO<sub>2</sub>, SMAW, TIG, PLASMA arc welding/cutting. Lens size: 110 x 90 x 9 mm. Field of vision: 98 x 43 mm. UVR penetration: level 16 DIN. IR penetration: level 16 DIN. Darkned state: level 13 DIN. Bright state: level 4 DIN. Reaction time: 0,2-1 s. Sensors: 2 independent photosensor. Auto recovery time: 1/25000 s. Weight: 516 g. Operating temperature: -10 .. +55 °C. Storage temperature: -10 .. +70 °C. Power supply: solar battery + 2 lithium-type battery.



| item         | specification   | package | min package |
|--------------|---|---------|-------------|
| <b>89137</b> | MMA, MIG, MAG, SMAW, TIG, PLASMA, 16 DIN, dwell time 0,2-1 s, response time 1/25000 s | 6       | 1           |

## Face shield

The protective shield is made of impact-resistant plastic. The product protects face and front part of head. Adjustable head gear. 891289 model has a folding case.



| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>891279</b> | 280 x 230 mm  | 40      | 10          |



| item          | specification            | package | min package |
|---------------|--------------------------|---------|-------------|
| <b>891289</b> | 400 x 200 mm, split body | 40      | 1           |



| item          | specification            | package | min package |
|---------------|--------------------------|---------|-------------|
| <b>891269</b> | 425 x 220 mm, solid body | 24      | 4           |

## Knee pad



The knee pads are made of natural fabric with elastic fibers strengthened by shock-resistant plastic caps. The product has foam padding inside. Application: for all kinds of prolonged kneeling work; for knee protection.

| item          | specification            | package | min package |
|---------------|--------------------------|---------|-------------|
| <b>894109</b> | impact-resistant kne-pad | 24      | 1           |

## Aluminum feather edge

### Aluminum feather edge, 2 vials, 2 handles



The feather edge is made of aluminum alloy. The product has two vials for control of plastered surface vertical position, for side slope, for installation plaster beacons and profiles, etc. Two handles make the tool easy to use. Additional rigidity is reached by existence of a stiffening rib.

| item          | specification | package | min package |
|---------------|---------------|---------|-------------|
| <b>896359</b> | L-1,5 m       | 20      | 1           |
| <b>896379</b> | L-2,0 m       | 10      | 1           |
| <b>896399</b> | L-2,5 m       | 10      | 1           |
| <b>896419</b> | L-3,0 m       | 10      | 1           |

## 8. Miscellaneous tools

### Bags and pouches for tools

#### Bags for tools



Double belt-bag allows to carry all main instruments required for performing work. Two bags with pockets and a hammer holder are equipped on the belt, which serve not only for carrying tools, but also for organizing convenient access to them. All belt parts are made of durable synthetic material.

| ITEM   | SPECIFICATION                               | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 902409 | Belt-bag, double, 20 pockets, hammer holder | 24      | 1            |



Single belt-bag allows to carry all main instruments required for performing work. Serves not only for carrying tools, but also for organizing convenient access to them. All belt parts are made of durable synthetic material.

| ITEM   | SPECIFICATION               | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------|---------|--------------|
| 902419 | Belt-bag, single, 7 pockets | 40      | 1            |



Belt-pouch allows to carry all main instruments required for performing work. Serves not only for carrying tools, but also for organizing convenient access to them. All parts are made of durable synthetic material.

| ITEM   | SPECIFICATION                                       | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 902429 | Belt pouch, 8 pockets, holder for hammer and pliers | 40      | 1            |



Serves for holding electric screwdriver on the belt of the adjuster. Equipped with a pocket for bits and drills. Bootstrap prevents slipping of the tools. All parts of the holster are made of durable synthetic material.

| ITEM   | SPECIFICATION  | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 902439 | Holster for electric screwdriver with a pocket for bits and drill bits | 40      | 1            |



Holds any hammer under convenient angle. Provides unlimited movement freedom. Metal holder has an anticorrosion coating. Made of durable synthetic material.

| ITEM   | SPECIFICATION                  | PACKAGE | MIN. PACKAGE |
|--------|--------------------------------|---------|--------------|
| 902449 | Hammer holder, on belt, swivel | 80      | 1            |



Has 38 pockets of different size for tool storage. Made of durable synthetic material.

| ITEM   | SPECIFICATION                       | PACKAGE | MIN. PACKAGE |
|--------|-------------------------------------|---------|--------------|
| 902459 | Tools layout, on wall, 675 x 450 mm | 30      | 1            |



Universal size due to double side zippers. Big amount of the pockets of different size for tool storage and small parts. Insertion from net fabric on the back to prevent sticking to back. Transparent pocket for identification documents. Resistant to moisture, chemical elements and low temperatures. Made of durable synthetic material.

| ITEM   | SPECIFICATION           | PACKAGE | MIN. PACKAGE |
|--------|-------------------------|---------|--------------|
| 902469 | Tool vest, 510 x 600 mm | 12      | 1            |



Complies with the waist size from 81 cm to 112cm. Made of durable synthetic material.

| ITEM   | SPECIFICATION   | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 902479 | Belt for a pouch, holster, holder for hammer, 810-1120 mm | 72      | 1            |



Tubular frame withstands 90 kg load. The bag has pockets of different diameter. Ideal for fishing, outdoor recreation, work in the garden and for storage and transportation of the tools. Made of durable synthetic material.

| ITEM   | SPECIFICATION                           | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 902499 | Bag-chair, foldable, 420 x 290 x 300 mm | 12      | 1            |

Bag is specially designed for tool storage and transportation. Made of durable synthetic waterproof material, has almost unlimited service life, and most important, perfectly protects tools even during work in field conditions. The bag has special pockets inside for storage and fast access to the tools.



| ITEM   | SPECIFICATION                            | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 902519 | Tool bag, 14 pockets, 315 x 215 x 225 mm | 24      | 1            |






| ITEM   | SPECIFICATION                            | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 902529 | Tool bag, 18 pockets, 510 x 210 x 360 mm | 12      | 1            |




| ITEM   | SPECIFICATION                            | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 902569 | Tool bag, 32 pockets, 460 x 280 x 305 mm | 12      | 1            |

Carrier is specially designed for tool storage and transportation. Made of durable synthetic material with a firm frame inside, has a molded polypropylene bottom. Metal handle, adjustable belt for transportation. Equipped with pockets of different sizes inside and outside.




| ITEM   | SPECIFICATION                            | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 902579 | Tool carrier, framed, 415 x 230 x 260 mm | 4       | 1            |




| ITEM   | SPECIFICATION                            | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 902589 | Tool carrier, framed, 490 x 230 x 280 mm | 4       | 1            |




Bag is specially designed for tool storage and transportation. Made of durable synthetic waterproof material, has almost unlimited service life, and mainly, perfectly protects tools even during work in field conditions. The bag has special pockets inside for storage and fast access to the tools. Bag is equipped with shoulder belt and durable handles.

| ITEM   | SPECIFICATION                            | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 902599 | Tool bag, 18 pockets, 320 x 215 x 250 mm | 12      | 1            |

## Glue guns

### Glue guns with temperature adjusting




Used for repairs, assembling, fixing, seam filling and pressurization. Body is made of shockproof plastic. Heating happens during 4-6 minutes. Working temperature is 180 degrees, smooth temperature adjusting is available. Used in complete with hotmelt glue. Convenient plastic rack included.

| ITEM    | SPECIFICATION                    | PACKAGE | MIN. PACKAGE |
|---------|----------------------------------|---------|--------------|
| 9300859 | 70 Wt, 220V, 11 mm, with a rack  | 20      | 1            |
| 9301059 | 100 Wt, 220V, 11 mm, with a rack | 20      | 1            |

## Hot melt glues




Glue sticks are made of wax and resin mix and designed for use with hot melt guns. Used for glueing products from wood, metal, plastic, fabric, leather, glass, ceramics, rubber and other materials. The best glueing is achieved by rough, porous and highly adhesive surfaces. With a help of hot melt glue it is possible to make temporary waterproofness, with the high water pressure and heat being absent (this way the cracks in buckets, watering cans, shower cabins etc. are patched).

| ITEM   | SPECIFICATION                              | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 930710 | transparent, 7 x 150 mm, 6 pcs./package.   | 240     | 60           |
| 930720 | transparent, 11 x 200 mm, 6 pcs./package.  | 80      | 20           |
| 930730 | transparent, 11 x 200 mm, 12 pcs./package. | 80      | 20           |
| 930721 | black, 11 x 200 mm, 6 pcs./package.        | 80      | 20           |
| 930731 | black, 11 x 200 mm, 12 pcs./package.       | 80      | 20           |
| 930722 | yellow, 11 x 200 mm, 6 pcs./package.       | 80      | 20           |
| 930732 | yellow, 11 x 200 mm, 12 pcs./package.      | 80      | 20           |
| 930723 | white, 11 x 200 mm, 6 pcs./package.        | 80      | 20           |
| 930733 | white, 11 x 200 mm, 12 pcs./package.       | 80      | 20           |
| 930741 | transparent, 11 mm, L-300 mm, 1 kg         | 1       | 5            |
| 930742 | white, 11 mm, L-300 mm, 1 kg               | 1       | 5            |
| 930743 | yellow, 11 mm, L-300 mm, 1 kg              | 1       | 5            |
| 930744 | black, 11 mm, L-300 mm, 1 kg               | 1       | 5            |

## Locks

### Universal wire locks




Wire lock is designed for safety of bicycles, baby carriages, sledges, moto vehicles etc., and also for household areas. Lenth of the wire is 650 mm. Flexible steel wire is in the plastic protective cover, which diameter is 10 mm. Material of the secret mechanism is made of brass. Automative lockup. Includes two steel keys.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 918149 | 10x650 mm     | 120     | 12           |




Wire lock is designed for safety of bicycles, baby carriages, sledges, moto vehicles etc., and also for household areas. Lenth of the wire is 650 mm. Flexible steel wire is in the plastic protective cover, which diameter is 10 mm. Material of the secret mechanism is made of brass. Automative lockup. Includes two steel keys.

| ITEM   | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|--------|---------------|---------|--------------|
| 918169 | 8x1200 mm     | 120     | 12           |




Wire lock is designed for safety of bicycles, baby carriages, sledges, moto vehicles etc., and also for household areas. Length of the wire is 1200 mm. Flexible steel wire is in the plastic protective cover, which diameter is 12 mm. Material of the secret mechanism is made of brass. Automatic lockup. Includes two steel keys. Holder for underseat pin is used for lock storage. Automatic lockup. Includes two steel keys.

| ITEM   | SPECIFICATION               | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------|---------|--------------|
| 918179 | includes holder, 12x1200 mm | 60      | 1            |




Wire lock is designed for safety of bicycles, baby carriages, sledges, moto vehicles etc., and also for household areas. Length of the wire is 950 mm. Flexible steel wire is in the plastic protective cover, which diameter is 10 mm. Code lock makes the usage of the lock more convenient.

| ITEM   | SPECIFICATION                  | PACKAGE | MIN. PACKAGE |
|--------|--------------------------------|---------|--------------|
| 918189 | with code mechanism, 10x950 mm | 48      | 1            |

### Padlocks, chrome coating




Padlock is designed for locking household areas, garages, warehouses, basements, etc. Body: steel. Body coating: chrome. Shackle material: steel with chrome coating. Number of keys: 4. Material of the secret mechanism: steel with brass coating. Advantages: chrome coating of the lock body and shackles prevents the appearing of corrosion.

| ITEM  | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|-------|---------------|---------|--------------|
| 91800 | 40 mm         | 96      | 6            |
| 91801 | 50 mm         | 72      | 6            |
| 91802 | 60 mm         | 48      | 6            |
| 91803 | 70 mm         | 24      | 1            |

### Padlocks, protected shackle




Padlock is designed for locking household areas, garages, warehouses, basements, etc. Body: steel. Body coating: chrome. Shackle material: steel with chrome coating. Number of keys: 4. Material of the secret mechanism: steel with brass coating. Chrome coating of the lock body and shackles prevents the appearing of corrosion. The lock body shape provides additional protection against breaking.

| ITEM  | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|-------|---------------|---------|--------------|
| 91804 | 50 mm         | 72      | 1            |
| 91806 | 60 mm         | 48      | 6            |




Padlock is designed for locking household areas, garages, warehouses, basements, etc. Body: steel plates. Body coating: zinc. Shackle material: steel with chrome coating. Number of keys: 3. Material of the secret mechanism: brass zinc coating of the lock body and chrome shackles prevent the appearing of corrosion. The lock body (composite, made of steel plates with zinc coating) is most protected against breaking and sawing.

| ITEM  | SPECIFICATION           | PACKAGE | MIN. PACKAGE |
|-------|-------------------------|---------|--------------|
| 91807 | 50 mm                   | 48      | 1            |
| 91808 | 65 mm                   | 24      | 1            |
| 91809 | 50 mm extended shackle  | 48      | 1            |
| 91811 | 65 mm, extended shackle | 24      | 1            |

### Padlocks, weatherproof




Padlock is designed for locking household areas, garages, warehouses, basements, etc. Body: steel body coating, plastic cover. Shackle material: steel with chrome coating. Number of keys: 4. Material of the secret mechanism: brass. Plastic cover of the body prevents the appearing of corrosion. Special "curtain" protects the secret mechanism from moisture. The lock body shape provides additional protection against breaking.

| ITEM  | SPECIFICATION     | PACKAGE | MIN. PACKAGE |
|-------|-------------------|---------|--------------|
| 91812 | 50 mm, reinforced | 48      | 6            |




Padlock is designed for locking household areas, garages, warehouses, basements, etc. Body: steel. Body coating: zinc coating, plastic cover. Shackle material: steel with chrome coating in a plastic cover. Number of keys: 4. Material of the secret mechanism: steel plastic cover of the body and rubber cover of the shackle prevent the appearing of corrosion. Special "curtain" protects the secret mechanism from moisture.

| ITEM  | SPECIFICATION | PACKAGE | MIN. PACKAGE |
|-------|---------------|---------|--------------|
| 91813 | 100 x 100 mm  | 40      | 20           |




Padlock with durable rubbered body. Construct features of the lock (sealing of the body and shackle of the lock, minimal gaps between parts, special cap on the lock block) significantly increase its durability to atmosphere precipitations, prevents corrosion and extend the life service. Hardened shackle and complex construction of the body lower the possibility of breaking. Includes 3 keys.

| ITEM   | SPECIFICATION           | PACKAGE | MIN. PACKAGE |
|--------|-------------------------|---------|--------------|
| 918209 | 40 mm                   | 120     | 12           |
| 918229 | 40 mm, extended shackle | 120     | 12           |
| 918249 | 50 mm                   | 72      | 12           |
| 918269 | 50 mm, extended shackle | 72      | 12           |





# **Sparta**®

SIMPLE AND PRACTICAL



## 1. Bench work tools

### Hammers

#### Carpenter's hammer with wooden handle, square peen



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 102025 | 100 g          | 120     | 12          |
| 102045 | 200 g          | 60      | 12          |
| 102065 | 300 g          | 48      | 6           |
| 102085 | 400 g          | 48      | 6           |
| 102105 | 500 g          | 36      | 6           |
| 102125 | 600 g          | 36      | 6           |
| 102135 | 700 g          | 36      | 6           |
| 102155 | 800 g          | 24      | 1           |
| 102185 | 1000 g         | 24      | 6           |
| 102215 | 1500 g         | 12      | 1           |

#### Carpenter's hammer, fiberglass handle with rubber shaft



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 10372 | 200 g          | 60      | 6           |
| 10373 | 300 g          | 48      | 6           |
| 10374 | 400 g          | 48      | 6           |
| 10375 | 500 g          | 36      | 6           |
| 10376 | 600 g          | 36      | 6           |
| 10377 | 700 g          | 36      | 6           |
| 10378 | 800 g          | 24      | 6           |
| 10380 | 1000 g         | 24      | 12          |
| 10381 | 1500 g         | 12      | 6           |

#### Claw hammer, wooden handle



| ITEM   | SPECIFICATIONS    | PACKAGE | MIN PACKAGE |
|--------|-------------------|---------|-------------|
| 104105 | 225 g, peen 22 mm | 72      | 6           |
| 104205 | 450 g, peen 27 mm | 36      | 6           |

#### Claw hammer with metal rubber tubular handle



| ITEM   | SPECIFICATIONS    | PACKAGE | MIN PACKAGE |
|--------|-------------------|---------|-------------|
| 104405 | 450 g, peen 27 mm | 36      | 6           |

### Straightening set

#### Straightening set



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 108305 | straightening hammer, peen 35mm combined head, wooden handle | 60      | 6           |

### Sledge-hammer

#### Sledge-hammer, drop-forged head, wooden two-color handle



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 10905 | 1000 g         | 24      | 6           |
| 10907 | 1500 g         | 12      | 6           |
| 10909 | 2000 g         | 12      | 6           |

#### Sledge-hammer, fiberglass rubber handle



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 10913 | 1000 g         | 24      | 6           |
| 10915 | 1500 g         | 12      | 6           |
| 10917 | 2000 g         | 12      | 6           |

### Rubber mallet

#### Rubber mallet black with wooden handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 111305 | 225 g          | 60      | 12          |
| 111405 | 340 g          | 48      | 12          |
| 111505 | 450 g          | 36      | 12          |
| 111555 | 680 g          | 24      | 6           |
| 111605 | 910 g          | 24      | 6           |
| 11161  | 1130 g         | 18      | 6           |

### Hex key set on a ring



| ITEM   | SPECIFICATIONS                 | PACKAGE | MIN PACKAGE |
|--------|--------------------------------|---------|-------------|
| 112665 | 1,5 mm, 10 pcs., oxidized, HEX | 100     | 10          |



| ITEM   | SPECIFICATIONS               | PACKAGE | MIN PACKAGE |
|--------|------------------------------|---------|-------------|
| 112685 | 1,5 mm, 10 pcs., nickel, HEX | 100     | 10          |



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 112667 | 9 pcs: T10, 15, 20, 25, 27, 30, 40, 45, 50, oxidized, TORX | 120     | 20          |

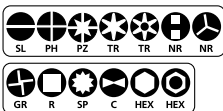


Bits

Bit sets



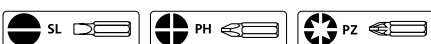
| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 113945 | Bit set, magnet adapter for bits, steel 45X, 7 pcs, in plastic case | 100     | 50          |



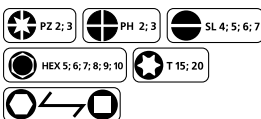
| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 113975 | Bit set, adapters for bits, CrV, 100 pcs, in plastic case | 20      | 1           |

Screwdrivers

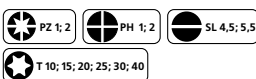
Ratchet Screwdrivers with bit sets



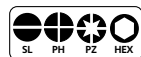
| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 115455 | 9 pcs., CrV    | 60      | 6           |



| ITEM   | SPECIFICATIONS                 | PACKAGE | MIN PACKAGE |
|--------|--------------------------------|---------|-------------|
| 115545 | 19 pcs., rotary, bits, sockets | 30      | 1           |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 11347 | 12 pcs., CrV   | 48      | 6           |



| ITEM   | SPECIFICATIONS                       | PACKAGE | MIN PACKAGE |
|--------|--------------------------------------|---------|-------------|
| 115565 | 15 pcs., sockets, bits, plastic case | 40      | 20          |

Screwdriver telescopic



| ITEM   | SPECIFICATIONS         | PACKAGE | MIN PACKAGE |
|--------|------------------------|---------|-------------|
| 115575 | 6 pcs., flexible shaft | 30      | 10          |

Screwdriver with T-type handle, bit set



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 115655 | 11 pcs.        | 100     | 10          |

Screwdriver combined



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 115875 | SL x PH        | 200     | 10          |

Screwdriver Expert, CrV, two-component handle



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 11602 | SL3,2 x 100 mm | 240     | 12          |
| 11604 | SL3,2 x 150 mm | 240     | 12          |
| 11605 | SL4,0 x 100 mm | 240     | 12          |
| 11606 | SL5,0 x 100 mm | 240     | 12          |
| 11608 | SL5,0 x 150 mm | 240     | 12          |
| 11610 | SL5,0 x 200 mm | 120     | 12          |
| 11620 | SL6,0 x 38 mm  | 240     | 12          |
| 11612 | SL6,0 x 100 mm | 240     | 12          |
| 11614 | SL6,0 x 150 mm | 120     | 12          |
| 11616 | SL8,0 x 150 mm | 120     | 12          |
| 11618 | SL8,0 x 200 mm | 120     | 12          |
| 11622 | PH0 x 63 mm    | 240     | 12          |
| 11624 | PH0 x 100 mm   | 240     | 12          |
| 11626 | PH0 x 150 mm   | 240     | 12          |
| 11628 | PH1 x 100 mm   | 240     | 12          |
| 11630 | PH1 x 150 mm   | 240     | 12          |
| 11632 | PH1 x 200 mm   | 120     | 12          |
| 11640 | PH2 x 38 mm    | 240     | 12          |
| 11634 | PH2 x 100 mm   | 240     | 12          |
| 11636 | PH2 x 150 mm   | 120     | 12          |
| 11638 | PH3 x 150 mm   | 120     | 12          |





- PH 0x75; 1x100; 2x150
- SL 4x75; 5x100; 6x150

| Item  | Specifications                    | package | min package |
|-------|-----------------------------------|---------|-------------|
| 13307 | 6 pcs., CrV, two-component handle | 30      | 1           |



- SL
- PH

| ITEM  | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|-------|---|---------|-------------|
| 13309 | 21 pcs, 6 screwdrivers PH, SL, tap-wrench + bits, CrV, two-component handle | 10      | 1           |



- SL
- PH

| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 135425 | 2 pcs., PH, SL | 50      | 1           |



- SL
- PH

| ITEM   | SPECIFICATIONS            | PACKAGE | MIN PACKAGE |
|--------|---------------------------|---------|-------------|
| 133566 | 8 pcs., CrV, plastic case | 12      | 1           |

### Screwdriver Expert, CrV, two-component handle



- SL
- PH

| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 135435 | 8 pcs., 2 – insulated., 5 – PH, SL, volatage indicator 220V | 30      | 1           |

### Screwdriver black handle, carbon steel



- SL
- PH

| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 13201 | SL3 x 75 mm    | 480     | 24          |
| 13203 | SL4 x 75 mm    | 480     | 24          |
| 13206 | SL6 x 100 mm   | 240     | 24          |
| 13209 | PH0 x 75 mm    | 480     | 24          |
| 13211 | PH1 x 75 mm    | 480     | 24          |
| 13213 | PH2 x 100 mm   | 240     | 24          |

### Screwdriver set black handle, carbon steel



- SL
- PH

| ITEM  | SPECIFICATIONS                                   | PACKAGE | MIN PACKAGE |
|-------|--|---------|-------------|
| 13220 | 4 pcs., (SL5 x 100, 6 x 100, PH1 x 100, 2 x 100) | 60      | 30          |

### Voltage tester

#### Voltage tester



| ITEM   | SPECIFICATIONS                    | PACKAGE | MIN PACKAGE |
|--------|-----------------------------------|---------|-------------|
| 130405 | Voltage tester, 140 mm, 100–500 V | 1200    | 20          |



| ITEM   | SPECIFICATIONS                    | PACKAGE | MIN PACKAGE |
|--------|-----------------------------------|---------|-------------|
| 130605 | Voltage tester, 190 mm, 100–500 V | 1200    | 20          |



| ITEM   | SPECIFICATIONS                        | PACKAGE | MIN PACKAGE |
|--------|---------------------------------------|---------|-------------|
| 130805 | Voltage tester, LCD display, 12–220 V | 500     | 20          |



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 130855 | Voltage tester, LCD display with neon lamp, 12–220 V multi-functional | 500     | 20          |



| ITEM   | SPECIFICATIONS                            | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 130905 | Voltage tester multi-functional, 70–250 V | 250     | 10          |

### Screwdriver precision set

#### Screwdriver precision set



- SL 1.4; 2.0; 2.4; 3.0
- PH 00; 0; 1

| ITEM   | SPECIFICATIONS    | PACKAGE | MIN PACKAGE |
|--------|-------------------|---------|-------------|
| 133445 | 6 pcs., precision | 100     | 1           |



SL 0.9; 1.2; 1.4; 1.8; 2.4; 3.0

PH 00; PH 0; PH 1



| ITEM   | SPECIFICATIONS     | PACKAGE | MIN PACKAGE |
|--------|--------------------|---------|-------------|
| 133605 | 11 pcs., precision | 150     | 50          |

## Tool set

### Domestic tool set



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 13534 | 25 pcs.        | 26      | 1           |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 13535 | 29 pcs.        | 20      | 1           |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 13537 | 22 pcs.        | 10      | 1           |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 13564 | 129 pcs.       | 6       | 1           |

### Domestic tool sets



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 13540 | 6 pcs.         | 20      | 5           |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 13541 | 36 pcs.        | 24      | 12          |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 13546 | 19 pcs.        | 10      | 1           |

### Domestic tool set



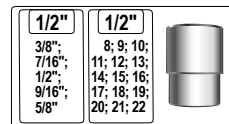
| ITEM  | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|-------|---|---------|-------------|
| 23902 | 5 pcs.: pencil (2 pcs.), hacksaw 450 mm, tape-measure 300 x 16 mm, setsquare 200 mm | 12      | 1           |

## Tool set

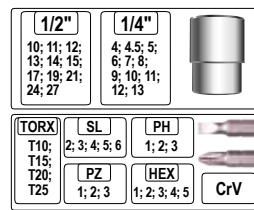
### Tool set, plastic case



| ITEM   | SPECIFICATIONS                              | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 135035 | 9 pcs., 1/2", sockets 8 x 21 mm, tap-wrench | 20      | 1           |

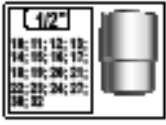


| ITEM   | SPECIFICATIONS                             | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 135045 | 24 pcs., 1/2", sockets in metric and inch. | 10      | 1           |

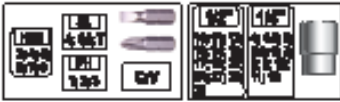


| ITEM   | SPECIFICATIONS      | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 135055 | 54 pcs., 1/4", 1/2" | 5       | 1           |





| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 135065 | 24 pcs., 1/2"  | 5       | 1           |



| ITEM   | SPECIFICATIONS      | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 135075 | 52 pcs., 1/4", 1/2" | 5       | 1           |

### Wrench Tubular set



| ITEM   | SPECIFICATIONS                            | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 137405 | 8–17 mm, tap-wrench, steel, set 6 pcs.    | 48      | 12          |
| 137525 | 6–22 mm, 2 tap-wrench, steel, set 10 pcs. | 24      | 6           |

### Wrench spark plug with joint



| ITEM   | SPECIFICATIONS           | PACKAGE | MIN PACKAGE |
|--------|--------------------------|---------|-------------|
| 138305 | 16 mm, wrench with joint | 50      | 10          |
| 138405 | 21 mm, wrench with joint | 50      | 10          |

## Wrenches

### Wrench with ratchet, switcher



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 140205 | 1/4"           | 100     | 20          |
| 140405 | 3/8"           | 50      | 10          |
| 140605 | 1/2"           | 50      | 10          |

### Wrench double open, chrome plated



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 144305 | 6 x 7 mm       | 500     | 10          |
| 144365 | 8 x 10 mm      | 500     | 10          |
| 144395 | 10 x 11 mm     | 500     | 10          |
| 144475 | 12 x 13 mm     | 400     | 10          |
| 144515 | 13 x 17 mm     | 300     | 10          |
| 144625 | 17 x 19 mm     | 200     | 10          |

|        |            |     |    |
|--------|------------|-----|----|
| 144645 | 19 x 22 mm | 100 | 10 |
| 144655 | 20 x 22 mm | 100 | 10 |
| 144715 | 22 x 24 mm | 100 | 5  |
| 144775 | 24 x 27 mm | 100 | 5  |

### Wrench ring, chrome plated



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 147365 | 8 x 10 mm      | 200     | 10          |
| 147395 | 10 x 11 mm     | 200     | 10          |
| 147475 | 12 x 13 mm     | 200     | 10          |
| 147535 | 14 x 15 mm     | 150     | 10          |
| 147615 | 17 x 19 mm     | 100     | 5           |

### Wrenches combined, chrome



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 150355 | 8 MM           | 500     | 10          |
| 150375 | 10 mm          | 500     | 10          |
| 150395 | 12 mm          | 250     | 10          |
| 150405 | 13 mm          | 250     | 10          |
| 150425 | 15 mm          | 200     | 10          |
| 150445 | 17 mm          | 100     | 10          |
| 150465 | 19 mm          | 100     | 10          |
| 150495 | 22 mm          | 100     | 5           |
| 150525 | 24 mm          | 80      | 5           |

### Wrench double open set, chrome



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|------------------|---------|-------------|
| 152305 | 6 pcs., 6–17 mm  | 60      | 5           |
| 152755 | 8 pcs., 6–22 mm  | 40      | 5           |
| 152945 | 12 pcs., 6–32 mm | 16      | 4           |

### Wrench ring set, chrome



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|-----------------|---------|-------------|
| 153305 | 6 pcs., 6–17 mm | 30      | 5           |
| 153755 | 8 pcs., 6–22 mm | 20      | 5           |

### Wrench combined set, chrome



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|-----------------|---------|-------------|
| 154305 | 6 pcs., 6–17 mm | 60      | 5           |
| 154605 | 8 pcs., 6–19 mm | 40      | 5           |

### Wrench adjustable



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 155205 | 150 mm         | 120     | 6           |
| 155255 | 200 mm         | 120     | 6           |
| 155305 | 250 mm         | 60      | 6           |
| 155355 | 300 mm         | 48      | 6           |
| 155405 | 375 mm         | 24      | 6           |
| 155455 | 450 mm         | 12      | 2           |

### Wrench adjustable two-component handle



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 15541 | 150 mm         | 120     | 6           |
| 15542 | 200 mm         | 60      | 6           |
| 15543 | 250 mm         | 60      | 6           |
| 15544 | 300 mm         | 36      | 1           |

### Adjustable pliers, PVC handles 250 mm



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 157185 | 250 mm         | 60      | 10          |
| 157195 | 300 mm         | 40      | 5           |

### Pipe wrench "Stillson"



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 157565 | 2,0" x 254 mm  | 36      | 1           |
| 157645 | 2,5" x 356 mm  | 24      | 1           |
| 157685 | 3,3" x 457 mm  | 18      | 1           |

### Pliers

#### Pliers with plastic handles, polished, Classic line



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 16957 | Pliers, 160 mm | 60      | 6           |
| 16958 | Pliers, 180 mm | 60      | 6           |
| 16962 | Pliers, 200 mm | 60      | 6           |



| ITEM  | SPECIFICATIONS           | PACKAGE | MIN PACKAGE |
|-------|--------------------------|---------|-------------|
| 17157 | Long nose pliers, 160 mm | 60      | 6           |
| 17159 | Long nose pliers, 180 mm | 60      | 10          |
| 17163 | Long nose pliers, 200 mm | 60      | 6           |



| ITEM  | SPECIFICATIONS                  | PACKAGE | MIN PACKAGE |
|-------|---------------------------------|---------|-------------|
| 17411 | Long nose pliers curved, 160 mm | 60      | 6           |



| ITEM  | SPECIFICATIONS              | PACKAGE | MIN PACKAGE |
|-------|-----------------------------|---------|-------------|
| 17558 | Side-cutting pliers, 160 mm | 60      | 6           |
| 17560 | Side-cutting pliers, 180 mm | 60      | 6           |
| 17562 | Side-cutting pliers, 200 mm | 60      | 6           |

#### Pliers with two-component handles, polished, Comfort line



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 16964 | Pliers, 160 mm | 60      | 6           |
| 16968 | Pliers, 180 mm | 60      | 6           |
| 16971 | Pliers, 200 mm | 60      | 6           |



| ITEM  | SPECIFICATIONS           | PACKAGE | MIN PACKAGE |
|-------|--------------------------|---------|-------------|
| 17165 | Long nose pliers, 160 mm | 60      | 6           |
| 17167 | Long nose pliers, 180 mm | 60      | 6           |
| 17169 | Long nose pliers, 200 mm | 60      | 6           |



| ITEM  | SPECIFICATIONS              | PACKAGE | MIN PACKAGE |
|-------|-----------------------------|---------|-------------|
| 17566 | Side-cutting pliers, 160 mm | 60      | 6           |
| 17568 | Side-cutting pliers, 180 mm | 60      | 6           |
| 17570 | Side-cutting pliers, 200 mm | 60      | 6           |

#### Pliers, nickel-plated, auto-unlock



| ITEM  | SPECIFICATIONS                    | PACKAGE | MIN PACKAGE |
|-------|-----------------------------------|---------|-------------|
| 17820 | Long nose pliers straight, 130 mm | 120     | 6           |



| ITEM  | SPECIFICATIONS                  | PACKAGE | MIN PACKAGE |
|-------|---------------------------------|---------|-------------|
| 17822 | Long nose pliers curved, 130 mm | 120     | 6           |



| ITEM  | SPECIFICATIONS              | PACKAGE | MIN PACKAGE |
|-------|-----------------------------|---------|-------------|
| 17824 | Side-cutting pliers, 130 mm | 120     | 6           |





| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 17826 | Pliers, 130 mm | 120     | 6           |



| ITEM  | SPECIFICATIONS             | PACKAGE | MIN PACKAGE |
|-------|----------------------------|---------|-------------|
| 17828 | End cutting pliers, 105 mm | 120     | 6           |

### Pliers set



| ITEM  | SPECIFICATIONS                                      | PACKAGE | MIN PACKAGE |
|-------|---|---------|-------------|
| 13544 | № 1 (Pliers, Long nose pliers, Side-cutting pliers) | 36      | 6           |



| ITEM  | SPECIFICATIONS                                    | PACKAGE | MIN PACKAGE |
|-------|---|---------|-------------|
| 13545 | № 2 (Pliers, Long nose pliers, Adjustable pliers) | 36      | 6           |

### Tools for stripping and crimping wires



| ITEM   | SPECIFICATIONS                      | PACKAGE | MIN PACKAGE |
|--------|-------------------------------------|---------|-------------|
| 177065 | Crimpers, 0,5–6 mm, crimping wires  | 48      | 6           |
| 177105 | Crimpers, 0,5–10 mm, crimping wires | 48      | 6           |



| ITEM   | SPECIFICATIONS                                 | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 177205 | Wire stripper, 170 mm, for stripping, 0,2–6 mm | 60      | 10          |



| ITEM   | SPECIFICATIONS                                 | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 177305 | Wire stripper, 170 mm, for stripping, 1–3,2 mm | 60      | 6           |



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 177505 | Wire stripper, 210 mm, for stripping и crimping wires, 1,5–6,5 mm | 100     | 10          |

### Pincers, rubberized handle, Black Head series



| ITEM   | SPECIFICATIONS      | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 179345 | 160 mm, knipex-type | 120     | 6           |
| 179385 | 200 mm, knipex-type | 60      | 6           |



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 179645 | 250 mm         | 60      | 6           |

### Strippers of circlip

#### Strippers of circlip



| ITEM   | SPECIFICATIONS                             | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 183205 | 150 mm, for external circlips, curved jaws | 60      | 6           |



| ITEM   | SPECIFICATIONS                             | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 183255 | 150 mm, for internal circlips, curved jaws | 60      | 6           |



| ITEM   | SPECIFICATIONS                               | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 183305 | 150 mm, for external circlips, straight jaws | 60      | 6           |



| ITEM   | SPECIFICATIONS                               | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 183355 | 150 mm, for internal circlips, straight jaws | 60      | 6           |

### Strippers of circlip



| ITEM   | SPECIFICATIONS                  | PACKAGE | MIN PACKAGE |
|--------|---------------------------------|---------|-------------|
| 183505 | 150 mm, interchangeable nozzles | 48      | 6           |

## Transformer

### Transformer



| ITEM   | SPECIFICATIONS                         | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 176065 | 8 in 1, 170 mm, case, adapter + 9 bits | 36      | 6           |



| ITEM   | SPECIFICATIONS       | PACKAGE | MIN PACKAGE |
|--------|----------------------|---------|-------------|
| 176075 | 8 in 1, 135 mm, case | 48      | 1           |



| ITEM   | SPECIFICATIONS        | PACKAGE | MIN PACKAGE |
|--------|-----------------------|---------|-------------|
| 176085 | 10 in 1, 145 mm, case | 48      | 1           |



| ITEM  | SPECIFICATIONS        | PACKAGE | MIN PACKAGE |
|-------|-----------------------|---------|-------------|
| 17610 | 15 in 1, 156 mm, case | 48      | 12          |



| ITEM  | SPECIFICATIONS        | PACKAGE | MIN PACKAGE |
|-------|-----------------------|---------|-------------|
| 17612 | 13 in 1, 113 mm, case | 72      | 12          |

## Locking plier

### Locking plier with fixator, half round grip



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 184205 | 180 mm         | 60      | 6           |
| 184305 | 250 mm         | 60      | 6           |

## Vice fixed base

### Vice fixed base, clamp for table, screw clamp



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 185055 | 40 mm          | 20      | 1           |
| 185075 | 50 mm          | 20      | 1           |
| 185095 | 60 mm          | 20      | 1           |
| 185115 | 75 mm          | 20      | 1           |

## Bench-vice pipe



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 185705 | 10–89 mm       | 4       | 1           |

## Bench-vice rotary with anvil



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 186235 | 100 mm         | 1       | 1           |
| 186255 | 125 mm         | 1       | 1           |
| 186275 | 150 mm         | 1       | 1           |
| 186295 | 200 mm         | 1       | 1           |

## Chisel

### Cold chisel with guard



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 187495 | 210 x 60 mm    | 48      | 12          |

### Cold chisel with guard



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 187555 | 250 x 20 mm    | 48      | 12          |
| 187585 | 300 x 25 mm    | 48      | 12          |



### Cold chisel with guard MASTER



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 187605 | 300 x 25 mm    | 36      | 6           |

### Core

#### Core with rubberized protector



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 188305 | 250 mm         | 48      | 12          |

#### Core with plastic protector MASTER



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 188345 | 300 mm         | 36      | 6           |

### Pipe bender

#### Pipe bender



| ITEM   | SPECIFICATIONS                                    | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 181255 | manual, 15 mm, for pipes of metal and soft metals | 25      | 1           |

### Hand gimlet



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 189205 | 4 pcs.         | 100     | 1           |

## 2. Carpenter tools

### Clamps

#### Corner clamps



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|------------------|---------|-------------|
| 203205 | 75 mm, aluminium | 100     | 10          |

### F-type clamps



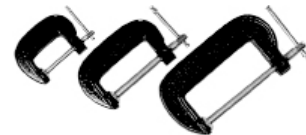
| ITEM   | SPECIFICATIONS       | PACKAGE | MIN. PACKAGE |
|--------|----------------------|---------|--------------|
| 204235 | 150 x 50 x 200 mm    | 50      | 10           |
| 204265 | 200 x 50 x 250 mm    | 50      | 10           |
| 204295 | 250 x 50 x 300 mm    | 50      | 10           |
| 204325 | 300 x 50 x 350 mm    | 50      | 10           |
| 204355 | 300 x 80 x 360 mm    | 30      | 6            |
| 204385 | 300 x 120 x 365 mm   | 20      | 5            |
| 204415 | 500 x 120 x 570 mm   | 10      | 1            |
| 204445 | 800 x 120 x 865 mm   | 12      | 6            |
| 204475 | 1000 x 120 x 1050 mm | 12      | 1            |

### G-type clamps



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 206505 | 50 mm          | 60      | 10           |
| 206535 | 75 mm          | 50      | 1            |
| 206565 | 100 mm         | 40      | 1            |
| 206625 | 150 mm         | 20      | 1            |
| 206655 | 200 mm         | 10      | 1            |
| 206685 | 250 mm         | 10      | 1            |
| 206715 | 300 mm         | 10      | 1            |

### G-type clamp set, 3 pcs.



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 206755 | 25-50-75 mm    | 40      | 10           |

### Jack planes

#### Metal jack planes, compact



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 210205 | 140 mm         | 48      | 1            |
| 210215 | 150 mm         | 48      | 1            |
| 210225 | 175 mm         | 36      | 1            |

#### Metal jack planes



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 210785 | № 3, 230 mm    | 15      | 1            |
| 210795 | № 4, 245 mm    | 12      | 1            |
| 210805 | № 5, 355 mm    | 12      | 1            |



## Axes

### Forged axes, wooden handle



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 21605 | 600 g, 360 mm  | 20      | 1            |
| 21610 | 800 g, 380 mm  | 20      | 1            |
| 21615 | 1000 g, 400 mm | 12      | 1            |

### Axes, fiberglass handle



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 21637 | 600 g, 385 mm  | 24      | 1            |
| 21639 | 800 g, 390 mm  | 12      | 1            |
| 21641 | 1000 g, 490 mm | 12      | 6            |

## Mitter boxes

### Plastic mitter boxes



| ITEM   | SPECIFICATIONS           | PACKAGE | MIN. PACKAGE |
|--------|--------------------------|---------|--------------|
| 225305 | 300 x 65 mm + saw 300 mm | 36      | 1            |

## Handsaws for wood

### Garden saws



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 230335 | 400 mm         | 72      | 6            |

### Multi-purpose handsaws, plastic handle



| ITEM   | SPECIFICATIONS      | PACKAGE | MIN. PACKAGE |
|--------|---------------------|---------|--------------|
| 231255 | 5 changeable blades | 60      | 1            |

### Backed saws for mitter boxes, plastic handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 231505 | 300 mm         | 40      | 10           |
| 231515 | 350 mm         | 40      | 10           |

### Wood saw, impulse hardened tooth, wooden handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 231855 | 400 mm         | 48      | 6            |
| 231875 | 450 mm         | 48      | 6            |
| 231895 | 500 mm         | 48      | 6            |

### Wood saw, impulse hardened tooth, plastic handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 232305 | 400 mm         | 48      | 6            |
| 232335 | 450 mm         | 48      | 6            |
| 232365 | 500 mm         | 48      | 6            |

### Hand saw for gypsum carton, wooden handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 233905 | 180 mm         | 200     | 1            |

### Pad-saw, 2 Edge Grd tempered tooth, ruler, two-component handle



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|--------|-----------------|---------|--------------|
| 235015 | 400 mm, 7-8 TPI | 48      | 6            |
| 235025 | 450 mm, 7-8 TPI | 48      | 6            |
| 235035 | 500 mm, 7-8 TPI | 48      | 6            |

## Carpenter kit



| ITEM  | SPECIFICATIONS   | PACKAGE | MIN. PACKAGE |
|-------|--|---------|--------------|
| 23902 | 5 pcs: 2pcs pencil, hacksaw, tape measure, set square building | 12      | 1            |

## Fret-saw

### Fret-saw



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 240205 | 200 mm         | 72      | 12           |
| 240245 | 300 mm         | 72      | 12           |



## Chisel, flat chisel

### Flat chisel kit, wooden handles



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 242405 | 6-12-18-24 mm  | 40      | 1           |

### Flat chisel kit



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 243965 | wooden handles | 40      | 1           |



| ITEM   | SPECIFICATIONS             | PACKAGE | MIN PACKAGE |
|--------|----------------------------|---------|-------------|
| 243975 | flat blade, plastic handle | 40      | 1           |

### Chisel, plastic handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 244055 | 6 mm           | 120     | 6           |
| 244075 | 10 mm          | 120     | 6           |
| 244105 | 12 mm          | 120     | 1           |
| 244155 | 14 mm          | 120     | 6           |
| 244175 | 16 mm          | 120     | 6           |
| 244205 | 18 mm          | 60      | 1           |
| 244235 | 20 mm          | 60      | 6           |
| 244255 | 24 mm          | 60      | 6           |
| 244305 | 30 mm          | 60      | 6           |
| 244355 | 32 mm          | 60      | 6           |
| 244405 | 38 mm          | 60      | 6           |

## Wood carving kit

### Wood carving kit



| ITEM   | SPECIFICATIONS         | PACKAGE | MIN PACKAGE |
|--------|------------------------|---------|-------------|
| 246065 | 6 pcs., wooden handles | 100     | 10          |



| ITEM   | SPECIFICATIONS                     | PACKAGE | MIN PACKAGE |
|--------|------------------------------------|---------|-------------|
| 246165 | 13 pcs., plastic and metal handles | 72      | 6           |

## Wrecking bar

### Wrecking bar, hex, colored



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 252225 | 300 mm         | 24      | 1           |
| 252265 | 600 mm         | 12      | 1           |
| 252285 | 900 mm         | 24      | 12          |

## Bench-vice

### Bench-vice



| ITEM   | SPECIFICATIONS                          | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 257055 | 640 x 520 x 790 mm, portable, with vice | 1       | 1           |

## 3. Measuring tools

### Ruler

#### Measuring rulers metal



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 305045 | 150 mm         | 600     | 12           |
| 305065 | 300 mm         | 600     | 12           |
| 305085 | 500 mm         | 300     | 12           |
| 305105 | 1000 mm        | 120     | 12           |

### Measuring tapes

#### Classic measuring tapes, plastic body



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 31301 | 2 m x 13 mm    | 120     | 12           |
| 31302 | 3 m x 16 mm    | 120     | 12           |
| 31303 | 5 m x 18 mm    | 120     | 12           |
| 31304 | 7,5 m x 24 mm  | 72      | 6            |
| 31305 | 10 m x 25 mm   | 72      | 6            |

## Elastica measuring tape, rubberized body



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 31311 | 3 m x 16 mm    | 120     | 6            |
| 31312 | 5 m x 18 mm    | 120     | 6            |
| 31313 | 7,5 m x 24 mm  | 72      | 6            |
| 31314 | 10 m x 25 mm   | 72      | 6            |

## Geodesic measuring tape, PVC tape, closed round body



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 312115 | 10 m x 12,5 mm | 60      | 1            |
| 312175 | 20 m x 12,5 mm | 60      | 1            |
| 312235 | 30 m x 12,5 mm | 60      | 10           |

## Geodesic measuring tape, PVC tape, open round body



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 314305 | 20 m x 10 mm   | 40      | 1            |
| 314355 | 30 m x 10 mm   | 40      | 1            |
| 314405 | 50 m x 10 mm   | 20      | 1            |

## Angels

### Metal angels



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 323425 | 250 mm         | 120     | 12           |
| 323445 | 300 mm         | 120     | 12           |
| 323465 | 350 mm         | 120     | 1            |
| 323525 | 500 mm         | 120     | 12           |

### Metal combination angle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 323675 | 300 mm         | 60      | 10           |

## Spirit levels

### Aluminium spirit level, 2 vials



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 35104 | 400 mm         | 60      | 1            |
| 35106 | 600 mm         | 60      | 1            |
| 35108 | 800 mm         | 60      | 1            |
| 35110 | 1000 mm        | 30      | 1            |
| 35112 | 1200 mm        | 30      | 1            |
| 35115 | 1500 mm        | 30      | 1            |
| 35118 | 1800 mm        | 30      | 1            |
| 35120 | 2000 mm        | 30      | 1            |

### Aluminium spirit level "Rail", 2 vials + 1 rotary



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 34044 | 400 mm         | 60      | 1            |
| 34046 | 600 mm         | 60      | 1            |
| 34048 | 800 mm         | 60      | 1            |
| 34050 | 1000 mm        | 30      | 1            |
| 34052 | 1200 mm        | 30      | 1            |
| 34055 | 1500 mm        | 30      | 1            |

### Spirit levels, 3 vials with ruler



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 330205 | 400 mm         | 60      | 1            |
| 330235 | 600 mm         | 60      | 1            |
| 330265 | 800 mm         | 60      | 1            |
| 330295 | 1000 mm        | 30      | 1            |
| 330325 | 1200 mm        | 30      | 1            |
| 330355 | 1500 mm        | 30      | 1            |
| 330385 | 1800 mm        | 30      | 1            |
| 330415 | 2000 mm        | 30      | 1            |

### Aluminium spirit levels, 3 vials with ruler



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 331205 | 400 mm         | 60      | 1            |
| 331235 | 600 mm         | 60      | 1            |
| 331265 | 800 mm         | 60      | 1            |
| 331295 | 1000 mm        | 30      | 1            |
| 331325 | 1200 mm        | 30      | 1            |
| 331355 | 1500 mm        | 30      | 1            |
| 331385 | 1800 mm        | 30      | 1            |
| 331415 | 2000 mm        | 30      | 1            |

### Spirit plastic level «Torpedo» 3 vials, 225mm



| ITEM   | SPECIFICATIONS        | PACKAGE | MIN. PACKAGE |
|--------|-----------------------|---------|--------------|
| 346025 | 225 mm, «Torpedo» (I) | 180     | 20           |



| ITEM   | SPECIFICATIONS                 | PACKAGE | MIN. PACKAGE |
|--------|--------------------------------|---------|--------------|
| 346055 | 225 mm, magnet, «Torpedo» (II) | 120     | 20           |





| ITEM   | SPECIFICATIONS                          | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 346115 | 235 mm, enforced magnet, «Torpedo» (IV) | 120     | 20           |

### Multifunctional spirit level



| ITEM   | SPECIFICATIONS           | PACKAGE | MIN. PACKAGE |
|--------|--------------------------|---------|--------------|
| 348205 | plastic, magnet, 3 vials | 100     | 20           |

## 4. Fastening tools

### Riveters

#### Riveters, rivets 2,4-3,2-4,0-4,8 mm



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 40711 | 225 mm         | 40      | 10           |

#### Reinforced two handle riveter



| ITEM   | SPECIFICATIONS                | PACKAGE | MIN. PACKAGE |
|--------|-------------------------------|---------|--------------|
| 405385 | 450 mm, rivets 3,2-4,0-4,8 mm | 10      | 1            |



| ITEM   | SPECIFICATION                         | PACKAGE | MIN. PACKAGE |
|--------|---------------------------------------|---------|--------------|
| 405405 | 600 mm, rivets 2,4-3,2-4,0-4,8-6,0 mm | 10      | 1            |

### Furniture staple gun

#### Furniture staple gun



| ITEM  | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|-------|---|---------|--------------|
| 42001 | plastic, 53 type staples, 6-8 mm, staples: 100 pcs., 8 mm | 60      | 1            |



| ITEM  | SPECIFICATIONS   | PACKAGE | MIN. PACKAGE |
|-------|--|---------|--------------|
| 42002 | Furniture stepler, 53 type staples 6-14 mm, with 200 pcs staples | 40      | 10           |

### Sets in case



| ITEM  | SPECIFICATIONS   | PACKAGE | MIN. PACKAGE |
|-------|--|---------|--------------|
| 42003 | Furniture staple gun, 53 type staples 6-14 mm, case of 500 pcs staples & measure tape 2m | 20      | 1            |

### 53 type staples for furniture staple gun



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 41611 | 6 mm           | 300     | 1            |
| 41612 | 8 mm           | 300     | 1            |
| 41613 | 10 mm          | 240     | 1            |
| 41614 | 12 mm          | 180     | 1            |
| 41615 | 14 mm          | 180     | 1            |

### Hooks

#### Hook-hagers



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 419205 | 10 pcs.        | 200     | 50           |

## 5. Motorcar tools

### Bottle jack

#### Hydraulic bottle jack



| ITEM  | SPECIFICATIONS        | PACKAGE | MIN. PACKAGE |
|-------|-----------------------|---------|--------------|
| 50321 | 2 t, h up 148-278 mm  | 10      | 1            |
| 50322 | 3 t, h up 180-340 mm  | 5       | 1            |
| 50323 | 5 t, h up 196-380 mm  | 5       | 1            |
| 50324 | 8 t, h up 205-385 mm  | 4       | 1            |
| 50325 | 10 t, h up 200-385 mm | 4       | 1            |
| 50326 | 12 t, h up 212-400 mm | 4       | 1            |
| 50327 | 16 t, h up 225-420 mm | 2       | 1            |
| 50328 | 20 t, h up 250-470 mm | 2       | 1            |

### Scissor Jack



| ITEM  | SPECIFICATIONS         | PACKAGE | MIN PACKAGE |
|-------|------------------------|---------|-------------|
| 50383 | 1,5 t, h up 105–380 mm | 10      | 1           |

### Hydraulic floor jack



| ITEM   | SPECIFICATIONS                         | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 510084 | 2 t, 140–295 mm, plastic case, Compact | 1       | 1           |



| ITEM   | SPECIFICATIONS                | PACKAGE | MIN PACKAGE |
|--------|-------------------------------|---------|-------------|
| 510085 | 2 t, 135–300 mm, plastic case | 1       | 1           |



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 510105 | 3t, 130–490 mm | 1       | 1           |

### Levered winches



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 522155 | 1,5 t/0,6 t, single ratchet wheel, working length 1,5 m | 6       | 1           |

### 2 legs bearing puller



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 525005 | 75 mm          | 80      | 5           |
| 525055 | 150 mm         | 50      | 2           |
| 525105 | 100 mm         | 60      | 1           |
| 525155 | 200 mm         | 36      | 2           |
| 525165 | 250 mm         | 20      | 2           |

### 3 legs bearing puller



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 525205 | 75 MM          | 60      | 1           |
| 525305 | 100 mm         | 50      | 1           |
| 525355 | 150 mm         | 36      | 1           |
| 525405 | 200 mm         | 20      | 1           |
| 525415 | 250 mm         | 10      | 1           |
| 525425 | 300 mm         | 10      | 1           |

### Heavy duty oil filter wrenches



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 528205 | Heavy Duty     | 80      | 10          |

### Pressure lubricators



| ITEM   | SPECIFICATIONS               | PACKAGE | MIN PACKAGE |
|--------|------------------------------|---------|-------------|
| 531305 | 0.3 ltr, the flexible nozzle | 50      | 10          |



### Metal clamps set, 5 pcs



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 540025 | 8-18 mm        | 500     | 1            |
| 540045 | 11-20 mm       | 500     | 1            |
| 540065 | 13-23 mm       | 500     | 100          |
| 540105 | 14-27 mm       | 500     | 1            |
| 540085 | 18-25 mm       | 500     | 100          |

### Fixations devices



| ITEM   | SPECIFICATIONS               | PACKAGE | MIN. PACKAGE |
|--------|------------------------------|---------|--------------|
| 543305 | Rubber trunk spider, 8 hooks | 100     | 1            |



| ITEM   | SPECIFICATIONS                        | PACKAGE | MIN. PACKAGE |
|--------|---------------------------------------|---------|--------------|
| 543345 | trunk rubbers, 450-600-900 mm, 3 pcs. | 100     | 25           |



| ITEM   | SPECIFICATIONS                                  | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 543385 | Trunk belt with hooks, 5m, click work automatic | 48      | 6            |

### Aerometers



| ITEM   | SPECIFICATIONS                               | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 549125 | for measuring the density of the electrolyte | 100     | 10           |

### Messing car voltage tester



| ITEM   | SPECIFICATIONS             | PACKAGE | MIN. PACKAGE |
|--------|----------------------------|---------|--------------|
| 555105 | 110 mm, 6-24 V, metal body | 250     | 10           |



| ITEM   | SPECIFICATIONS               | PACKAGE | MIN. PACKAGE |
|--------|------------------------------|---------|--------------|
| 555205 | 120 mm, 6-24 V, plastic body | 250     | 10           |

## 6. Cutting tools

### Wood drill bits

#### Spiral drill bit sets for wood, cylindrical shank



| ITEM   | SPECIFICATIONS              | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------|---------|--------------|
| 702105 | 4-5-6-8-10 mm, 5 pcs.       | 200     | 40           |
| 702125 | 3-4-5-6-7-8-9-10 mm, 8 pcs. | 100     | 1            |

#### Spiral drill bit set for wood, extended, cylindrical shank



| ITEM   | SPECIFICATIONS                     | PACKAGE | MIN. PACKAGE |
|--------|------------------------------------|---------|--------------|
| 702305 | 6-8-10-12-13-14 mm, L300mm, 6 pcs. | 20      | 1            |

#### Flat drill bit set for wood, hex shank



| ITEM   | SPECIFICATIONS               | PACKAGE | MIN. PACKAGE |
|--------|------------------------------|---------|--------------|
| 704055 | 10-12-16-18-20-25 mm, 6 pcs. | 50      | 10           |

#### Flat drill bit extension, hex shank



| ITEM   | SPECIFICATIONS     | PACKAGE | MIN. PACKAGE |
|--------|--------------------|---------|--------------|
| 704955 | 300 mm, D 16-40 mm | 100     | 25           |

## Wood hole saws



| ITEM  | SPECIFICATIONS         | PACKAGE | MIN. PACKAGE |
|-------|------------------------|---------|--------------|
| 70450 | D 26–63 mm, saw cut 1" | 60      | 6            |
| 70452 | D 26–63 mm, saw cut 2" | 60      | 6            |

## Drill bit set for metal, cylindrical shank



| ITEM   | SPECIFICATIONS                                | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 723105 | 4–5–6–8–10 mm, HSS, 5 pcs., in plastic box    | 100     | 1            |
| 723155 | 1,5–2,5–3–4–5 mm, HSS, 5 pcs., in plastic box | 100     | 10           |



| ITEM   | SPECIFICATIONS                                    | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 723205 | 3–10 mm (after 1 mm), HSS, 8 pcs., in plastic box | 50      | 1            |



| ITEM   | SPECIFICATIONS                                      | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 723355 | 2–8 mm (after 0,5 mm), HSS, 13 pcs., in plastic box | 60      | 5            |



| ITEM   | SPECIFICATIONS                                     | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 723455 | 1,5–6,5 mm (after 0,5 mm), 13 pcs., in plastic box | 100     | 20           |



| ITEM   | SPECIFICATIONS                                 | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 723505 | 1–10 mm (after 0,5 mm), HSS, 19 pcs., in a cup | 20      | 1            |



| ITEM   | SPECIFICATIONS                                       | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 723705 | 1–10 mm (after 0,5 mm), HSS, 19 pcs., in plastic box | 30      | 5            |



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 723755 | 1–10 mm (after 0,5 mm + 3,2 mm; 4,8 mm), HSS, 21 pcs., in metal box | 40      | 5            |

## Drill nozzles



| ITEM   | SPECIFICATIONS                    | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------------|---------|--------------|
| 912305 | for drill sharpening, D 3,5–10 mm | 20      | 10           |

## Combined drill bit sets



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 725055 | masonry 5–6–8 mm, metal 5–6–8 mm, wood 5–6–8 mm, 9 pcs., with cylindrical shank                 | 40      | 1            |
| 725085 | masonry 4–5–6–8–10 mm, metal 4–5–6–8–10 mm, wood 4–5–6–8–10 mm, 15 pcs., with cylindrical shank | 40      | 1            |





| ITEM   | SPECIFICATIONS   | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 725305 | masonry 3-4-5-6-8-10 mm, metal 3-4-5-6-8-10 mm, wood 3-4-5-6-8-10 mm, 18 pcs, with cylindrical shank | 30      | 5            |



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 725455 | masonry 5-6-8-10 mm, metal 1-10 mm (after 0,5 mm), wood 5-6-8-10 mm, bits, 40 pcs | 10      | 5            |

### Turbo diamond cutting wheels, dry cutting



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 731175 | 115 x 22,2 mm  | 100     | 10           |
| 731195 | 125 x 22,2 mm  | 100     | 10           |
| 731215 | 150 x 22,2 mm  | 50      | 10           |
| 731235 | 180 x 22,2 mm  | 50      | 10           |
| 731255 | 200 x 32,0 mm  | 50      | 10           |
| 731275 | 230 x 22,2 mm  | 25      | 5            |

### Diamond cutting wheels, segmented, dry cutting



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 731055 | 115 x 22,2 mm  | 100     | 10           |
| 731075 | 125 x 22,2 mm  | 100     | 10           |
| 731095 | 150 x 22,2 mm  | 50      | 1            |
| 731115 | 180 x 22,2 mm  | 50      | 10           |
| 731135 | 200 x 32,0 mm  | 50      | 10           |
| 731155 | 230 x 22,2 mm  | 25      | 5            |

### Diamond cutting wheel, continuous, wet cutting



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 731395 | 115 x 22,2 mm  | 100     | 10           |
| 731415 | 125 x 22,2 mm  | 100     | 10           |
| 731435 | 150 x 22,2 mm  | 50      | 10           |
| 731475 | 180 x 22,2 mm  | 50      | 10           |
| 731495 | 180 x 25,4 mm  | 50      | 10           |
| 731515 | 230 x 22,2 mm  | 25      | 5            |

### TCT saw blade for wood, bore diameter 22 mm



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN. PACKAGE |
|--------|------------------|---------|--------------|
| 732395 | 125 mm, 36 teeth | 50      | 25           |
| 732405 | 150 mm, 40 teeth | 50      | 1            |
| 732425 | 180 mm, 40 teeth | 50      | 25           |
| 732445 | 200 mm, 40 teeth | 30      | 1            |
| 732465 | 230 mm, 40 teeth | 30      | 1            |

### Sanding screen grid, 10 pcs



| ITEM   | SPECIFICATIONS      | PACKAGE | MIN. PACKAGE |
|--------|---------------------|---------|--------------|
| 751185 | P 40, 115 x 280 mm  | 100     | 1            |
| 751205 | P 60, 115 x 280 mm  | 100     | 1            |
| 751225 | P 80, 115 x 280 mm  | 100     | 1            |
| 751255 | P 100, 115 x 280 mm | 100     | 1            |
| 751285 | P 120, 115 x 280 mm | 100     | 1            |
| 751305 | P 150, 115 x 280 mm | 100     | 1            |
| 751325 | P 180, 115 x 280 mm | 100     | 1            |
| 751335 | P 200, 115 x 280 mm | 100     | 1            |
| 751345 | P 220, 115 x 280 mm | 100     | 1            |
| 751365 | P 240, 115 x 280 mm | 100     | 1            |

### Sanding block



| ITEM   | SPECIFICATIONS      | PACKAGE | MIN. PACKAGE |
|--------|---------------------|---------|--------------|
| 758105 | 125 x 65 mm, rubber | 100     | 1            |



## Sanding holder



| ITEM   | SPECIFICATIONS                    | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------------|---------|--------------|
| 758475 | 230 x 105 mm, plastic with clamps | 50      | 10           |
| 758515 | 230 x 120 mm, plastic with clamps | 50      | 10           |

## Handle brushes, metal wire, wooden handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 748205 | 3-line         | 120     | 12           |
| 748225 | 4-line         | 120     | 12           |
| 748245 | 5-line         | 120     | 6            |
| 748265 | 6-line         | 120     | 12           |

## Handle brushes, metal wire, plastic handle



| ITEM   | SPECIFICATIONS     | PACKAGE | MIN. PACKAGE |
|--------|--------------------|---------|--------------|
| 748505 | 120 mm, singleline | 180     | 12           |



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 748655 | 3-line         | 120     | 12           |
| 748665 | 4-line         | 120     | 12           |
| 748675 | 5-line         | 120     | 12           |
| 748685 | 6-line         | 120     | 12           |

## Die stock sets



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 773305 | 1/2"-3/4", 1"-1 1/4", 1 1/2"-2", 3 cutting bit complements | 3       | 1            |



| ITEM   | SPECIFICATIONS                                  | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 773335 | 1/2"-3/4"-1" + die holder with a ratchet, 6 pcs | 4       | 1            |



| ITEM   | SPECIFICATIONS         | PACKAGE | MIN. PACKAGE |
|--------|------------------------|---------|--------------|
| 773345 | 13 pcs, for valve work | 2       | 1            |



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 773355 | 1/4"-3/8"-1/2"-3/4"-1"-1,25" + die holder with a ratchet, 9 pcs | 4       | 1            |

## Tap and die sets



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 773105 | 20 items, screw taps + dies (M3-M12) + dieholder + tapholder | 24      | 6            |



| ITEM   | SPECIFICATIONS                                     | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 773155 | 40 items, screw taps + dies M3-M12, in plastic box | 20      | 1            |

## Extractor set



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 773505 | 5 pcs.         | 144     | 24           |

## Hack saws



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 775075 | 150 mm, nickel | 240     | 24           |





| ITEM   | SPECIFICATIONS           | PACKAGE | MIN. PACKAGE |
|--------|--------------------------|---------|--------------|
| 775765 | 250–300 mm, metal handle | 60      | 10           |



| ITEM   | SPECIFICATIONS         | PACKAGE | MIN. PACKAGE |
|--------|------------------------|---------|--------------|
| 775865 | 300 mm, plastic handle | 48      | 4            |



| ITEM   | SPECIFICATIONS                 | PACKAGE | MIN. PACKAGE |
|--------|--------------------------------|---------|--------------|
| 775225 | 150 mm, plastic handle, chrome | 120     | 12           |



| ITEM   | SPECIFICATIONS           | PACKAGE | MIN. PACKAGE |
|--------|--------------------------|---------|--------------|
| 775435 | 200–300 mm, metal handle | 48      | 1            |



| ITEM   | SPECIFICATIONS                | PACKAGE | MIN. PACKAGE |
|--------|-------------------------------|---------|--------------|
| 775635 | 250 mm, plastic handle «mini» | 240     | 60           |



| ITEM   | SPECIFICATIONS        | PACKAGE | MIN. PACKAGE |
|--------|-----------------------|---------|--------------|
| 775895 | 300 mm, wooden handle | 48      | 1            |

### Metal hacksaw blades



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|--------|-----------------|---------|--------------|
| 777105 | 150 mm, 10 pcs. | 240     | 1            |



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|--------|-----------------|---------|--------------|
| 777405 | 300 mm, 12 pcs. | 120     | 12           |



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|--------|-----------------|---------|--------------|
| 777455 | 300 mm, 36 pcs. | 40      | 1            |



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN. PACKAGE |
|--------|------------------|---------|--------------|
| 777715 | 300 mm, hardened | 1500    | 1            |



| ITEM   | SPECIFICATIONS                | PACKAGE | MIN. PACKAGE |
|--------|-------------------------------|---------|--------------|
| 777555 | 300 mm, double-sided, 36 pcs. | 20      | 1            |

### Tinsnips, straight cut



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 783125 | 200 mm         | 100     | 10           |
| 783135 | 250 mm         | 48      | 6            |
| 783145 | 300 mm         | 36      | 6            |



| ITEM   | SPECIFICATIONS          | PACKAGE | MIN. PACKAGE |
|--------|-------------------------|---------|--------------|
| 783155 | 250 mm, rubbered handle | 48      | 6            |

### Tinsnip set, 250 mm, rubbered handles, 3 pcs.



| ITEM   | SPECIFICATIONS                    | PACKAGE | MIN. PACKAGE |
|--------|-----------------------------------|---------|--------------|
| 783205 | Straight cut, right cut, left cut | 24      | 6            |

### Knives with changeable sliding blades



| ITEM  | SPECIFICATIONS       | PACKAGE | MIN. PACKAGE |
|-------|----------------------|---------|--------------|
| 78971 | 9 mm, metal slideway | 500     | 50           |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 78972 | 9 mm           | 960     | 60           |



| ITEM  | SPECIFICATIONS        | PACKAGE | MIN. PACKAGE |
|-------|-----------------------|---------|--------------|
| 78973 | 18 mm, metal slideway | 360     | 30           |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 78974 | 18 mm          | 360     | 1            |

### Knives with changeable sliding blades



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 789195 | sliding blade 18 mm, for cutting wall-papers, with ruler | 240     | 20           |

### Knives for floor coverings



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 789905 | Spinning roller-blade, diameter 45 mm, plastic handle | 240     | 12           |

### Folding knives, 200 mm, wooden handle



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 78998 | straight blade | 120     | 6            |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 78999 | bent blade     | 120     | 6            |

### Blades for household knives with sliding blades



| ITEM  | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|-------|----------------|---------|--------------|
| 78968 | 9 mm, 10 pcs.  | 400     | 20           |
| 78969 | 18 mm, 10 pcs. | 360     | 1            |



| ITEM  | SPECIFICATIONS                       | PACKAGE | MIN. PACKAGE |
|-------|--------------------------------------|---------|--------------|
| 78976 | 18 mm, trapezoidal, straight, 5 pcs. | 360     | 20           |

### Scrapers



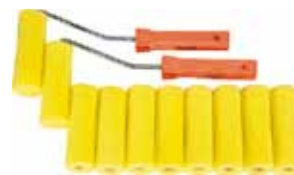
| ITEM   | SPECIFICATIONS       | PACKAGE | MIN. PACKAGE |
|--------|----------------------|---------|--------------|
| 795305 | 40 mm, sliding blade | 100     | 25           |



| ITEM   | SPECIFICATIONS     | PACKAGE | MIN. PACKAGE |
|--------|--------------------|---------|--------------|
| 795405 | 62 mm, fixed blade | 480     | 12           |

## 7. Building and finishing tools

### Foam-rubber roller set + 2 roller frames



| ITEM   | SPECIFICATIONS                          | PACKAGE | MIN. PACKAGE |
|--------|---|---------|--------------|
| 802835 | 100 mm, Ø 35 mm, handle D 6 mm, 10 pcs. | 40      | 10           |

### Slimline flat brush, natural bristle, wooden handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 824155 | 3/4" (20 mm)   | 1200    | 12           |
| 824205 | 1" (25 mm)     | 1200    | 12           |
| 824255 | 1,5" (38 mm)   | 600     | 12           |
| 824305 | 2" (50 mm)     | 600     | 12           |
| 824355 | 2,5" (63 mm)   | 600     | 12           |
| 824405 | 3" (75 mm)     | 360     | 12           |
| 824455 | 4" (100 mm)    | 240     | 12           |

### Finishing brush, natural bristle, plastic body



| ITEM   | SPECIFICATIONS | PACKAGE | MIN. PACKAGE |
|--------|----------------|---------|--------------|
| 841015 | 30 x 70 mm     | 120     | 6            |
| 841025 | 30 x 100 mm    | 144     | 12           |
| 841035 | 30 x 120 mm    | 120     | 6            |
| 841045 | 40 x 140 mm    | 60      | 6            |
| 841055 | 50 x 150 mm    | 72      | 6            |
| 841065 | 50 x 140 mm    | 48      | 6            |
| 841075 | 70 x 150 mm    | 36      | 6            |
| 841085 | 70 x 170 mm    | 72      | 6            |
| 841095 | 75 x 170 mm    | 48      | 6            |

### Brush kit



| ITEM   | SPECIFICATIONS                     | PACKAGE | MIN. PACKAGE |
|--------|------------------------------------|---------|--------------|
| 841115 | 3 pcs, flat brushes 1/2", 3/4", 1" | 200     | 1            |



| ITEM   | SPECIFICATIONS                                       | PACKAGE | MIN. PACKAGE |
|--------|--|---------|--------------|
| 841135 | 4 pcs, flat brushes 3/4", 1/5"; round brushes №1, №2 | 200     | 1            |





| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 841145 | 6 pcs, flat brushes 3/4", 1", 1.5"; round brushes №1, №2, №4 | 200     | 1           |



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 841155 | 10 pcs, flat brushes 1/2"- 1.5"; round brushes №2,4; radiat. 1", 1.5"; for oil paint №2, 6 | 100     | 1           |

### Decorator's Pencil, 12 pcs set



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 848045 | 180 mm         | 120     | 1           |
| 848055 | 250 mm         | 180     | 1           |

### Striping cord



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 848515 | 15 m           | 96      | 16          |

### Mechanical rebar tying hooks



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 848805 | 310 mm         | 30      | 10          |

### Stainless steel scraper, wooden handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 852035 | 30 mm          | 240     | 12          |
| 852065 | 40 mm          | 240     | 12          |
| 852095 | 50 mm          | 240     | 12          |
| 852125 | 60 mm          | 240     | 12          |
| 852155 | 80 mm          | 240     | 12          |
| 852185 | 100 mm         | 240     | 12          |

### Steel scraper, plastic handle



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 852305 | 25 mm          | 240     | 12          |
| 852335 | 50 mm          | 240     | 12          |
| 852365 | 63 mm          | 240     | 12          |
| 852395 | 75 mm          | 240     | 12          |
| 852425 | 100 mm         | 240     | 12          |
| 852485 | 150 mm         | 240     | 20          |

### Spatulas set



| ITEM   | SPECIFICATIONS                                    | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 860045 | Japan spatulas, plastic, 50-75-100-120 mm, 4 pcs. | 240     | 20          |



| ITEM   | SPECIFICATIONS                          | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 852605 | Japan spatulas 60-80-100-120 mm, 4 pcs. | 200     | 20          |



| ITEM | SPECIFICATIONS            | PACKAGE | MIN PACKAGE |
|------|---------------------------|---------|-------------|
|      | 40-60-80 mm, white rubber | 100     | 10          |



| ITEM | SPECIFICATIONS            | PACKAGE | MIN PACKAGE |
|------|---------------------------|---------|-------------|
|      | 40-60-80 mm, black rubber | 100     | 10          |

### Steel trowels, wooden handle



| ITEM   | SPECIFICATIONS         | PACKAGE | MIN PACKAGE |
|--------|------------------------|---------|-------------|
| 862705 | 160 mm, guaging trowel | 120     | 12          |
| 862725 | 200 mm, guaging trowel | 120     | 12          |



| ITEM   | SPECIFICATIONS        | PACKAGE | MIN PACKAGE |
|--------|-----------------------|---------|-------------|
| 862745 | 160 mm, maring trowel | 120     | 12          |
| 862765 | 200 mm, maring trowel | 120     | 12          |



| ITEM   | SPECIFICATIONS        | PACKAGE | MIN PACKAGE |
|--------|-----------------------|---------|-------------|
| 862785 | 150 mm, maring trowel | 120     | 10          |
| 862805 | 200 mm, maring trowel | 120     | 12          |

### Steel bowls, wooden handle



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|-----------------|---------|-------------|
| 862315 | plastering bowl | 50      | 5           |

### Glass cutter



| ITEM   | SPECIFICATIONS           | PACKAGE | MIN PACKAGE |
|--------|--------------------------|---------|-------------|
| 872205 | 6-roller, plastic handle | 480     | 12          |



| ITEM   | SPECIFICATIONS          | PACKAGE | MIN PACKAGE |
|--------|-------------------------|---------|-------------|
| 872235 | 6-roller, wooden handle | 480     | 12          |



| ITEM   | SPECIFICATIONS                      | PACKAGE | MIN PACKAGE |
|--------|-------------------------------------|---------|-------------|
| 872405 | diamond glass cutter, wooden handle | 240     | 10          |

### Plastic glass jack



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 875055 | single-action  | 36      | 1           |



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 875155 | double-action  | 12      | 1           |

### Tile nippers, hardmetal straight jaw



| ITEM  | SPECIFICATIONS          | PACKAGE | MIN PACKAGE |
|-------|-------------------------|---------|-------------|
| 87822 | 200 mm, polymer coating | 60      | 1           |



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 878205 | 200 mm         | 60      | 10          |

### Puncher for metal profiles for plasterboard



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 87952 | 300 mm         | 24      | 6           |

### Plastic wedge spacers for floor laying installations



| ITEM   | SPECIFICATIONS             | PACKAGE | MIN PACKAGE |
|--------|----------------------------|---------|-------------|
| 880225 | 30 x 6 x 5 mm, 200 pcs/set | 120     | 10          |

### Tile spacers for floor laying installations



| ITEM   | SPECIFICATIONS      | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 880645 | 1,0 mm, 250 pcs/set | 200     | 10          |
| 880665 | 1,5 mm, 250 pcs/set | 200     | 10          |
| 880685 | 2,0 mm, 250 pcs/set | 200     | 10          |
| 880695 | 2,5 mm, 250 pcs/set | 200     | 10          |
| 880725 | 3,0 mm, 250 pcs/set | 200     | 10          |
| 880765 | 4,0 mm, 250 pcs/set | 100     | 10          |
| 880805 | 5,0 mm, 250 pcs/set | 100     | 10          |

### Caulking gun, skelton type



| ITEM   | SPECIFICATIONS                                 | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 886125 | 310 ml, heavy-duty, with fixator, 6 mm hex rod | 24      | 1           |

### Semi-open caulk gun



| ITEM   | SPECIFICATIONS                     | PACKAGE | MIN PACKAGE |
|--------|------------------------------------|---------|-------------|
| 886325 | 310 ml, 7 mm round rod, heavy duty | 24      | 1           |



| ITEM   | SPECIFICATIONS                          | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 886365 | 310 ml, 8 mm round rod, thickened walls | 36      | 1           |



### Closed caulking gun



| ITEM   | SPECIFICATIONS                         | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 886475 | 400 ml, aluminium body, 8 mm round rod | 20      | 1           |
| 886485 | 750 ml, aluminium body, 8 mm round rod | 20      | 1           |

### Foam gun



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 88673 | lightweight    | 40      | 1           |



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 88674 | lightweight    | 40      | 1           |

### FUM Tape



| ITEM   | SPECIFICATIONS         | PACKAGE | MIN PACKAGE |
|--------|------------------------|---------|-------------|
| 888545 | FUM Tape, 12 mm x 10 m | 2400    | 400         |

### Filter masks



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 892215 | 5 pcs.         | 144     | 24          |

### Protective earmuff



| ITEM   | SPECIFICATIONS            | PACKAGE | MIN PACKAGE |
|--------|---------------------------|---------|-------------|
| 893555 | folding, plastic headband | 50      | 1           |



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 893575 | metal headband | 30      | 1           |



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|------------------|---------|-------------|
| 893605 | plastic headband | 50      | 1           |

## 8. Power equipment & electric tools

### Angle grinder



| ITEM  | SPECIFICATIONS                   | PACKAGE | MIN PACKAGE |
|-------|----------------------------------|---------|-------------|
| 94802 | 500 Wt, 220 V, 11500 rpm, 125 mm | 10      | 1           |



| ITEM  | SPECIFICATIONS                                 | PACKAGE | MIN PACKAGE |
|-------|--|---------|-------------|
| 94803 | 1800 Wt, 220 V, 6000 rpm, 230 mm, twist handle | 4       | 1           |

### Vibro grinder



| ITEM  | SPECIFICATIONS                                 | PACKAGE | MIN PACKAGE |
|-------|--|---------|-------------|
| 94804 | 135 Wt, 220 V, 11000 rpm, 187x90 mm, dust flue | 10      | 1           |

### Electric jack plane



| ITEM  | SPECIFICATIONS                      | PACKAGE | MIN PACKAGE |
|-------|-------------------------------------|---------|-------------|
| 94805 | 500 Wt, 220 V, 15000 rpm, 82 x 2 mm | 6       | 1           |

### Impact drill with regulator



| ITEM  | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|-------|---|---------|-------------|
| 94813 | 500 Wt, 50 Hz, 220 V, 0-2800 rpm, 44000 bpm, patron 13 mm | 10      | 1           |

### Electric jig saw



| ITEM  | SPECIFICATIONS                 | PACKAGE | MIN PACKAGE |
|-------|--------------------------------|---------|-------------|
| 94808 | 350 Wt, 220 V, 3100 rpm, 55 mm | 10      | 1           |

### Electric circular saw



| ITEM  | SPECIFICATIONS                         | PACKAGE | MIN PACKAGE |
|-------|--|---------|-------------|
| 94809 | 800 Wt, 220 V, 4700 rpm, 185 mm, 55 mm | 4       | 1           |

### Electric screw driver



| ITEM  | SPECIFICATIONS                                     | PACKAGE | MIN PACKAGE |
|-------|--|---------|-------------|
| 94810 | 12 V, 0-500 rpm, patron 1-10 mm, 10 H/m, 1 battery | 10      | 1           |
| 94811 | 18 V, 0-550 rpm, patron 1-10 mm, 10 Nm, 1 battery  | 10      | 1           |

### Electric heat gun



| ITEM  | SPECIFICATIONS                                 | PACKAGE | MIN PACKAGE |
|-------|--|---------|-------------|
| 94812 | 2000 Wt, 220 V, 300-550 l/min, 350-550 degrees | 10      | 1           |

## 9.Miscellaneous

### Soldering gun with output regulation



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|-----------------|---------|-------------|
| 913075 | 30-60 Wt, 220 V | 100     | 1           |
| 913065 | 25-80 Wt, 220 V | 100     | 1           |

### Soldering iron with long looping tip



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 913095 | 100 Wt, 220 V  | 20      | 1           |

### Soldering iron with wooden handle, 220 V



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|------------------|---------|-------------|
| 913125 | 30 Wt, sharp tip | 100     | 1           |
| 913135 | 40 Wt, sharp tip | 100     | 1           |
| 913145 | 60 Wt, sharp tip | 100     | 1           |

### Soldering iron, plastic handle, sharp tip, 220 V



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 913185 | 30 Wt          | 100     | 1           |
| 913195 | 40 Wt          | 100     | 1           |
| 913205 | 60 Wt          | 100     | 1           |

### Electrician's soldering iron with wooden handle



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|------------------|---------|-------------|
| 913155 | 100 Wt, flat tip | 100     | 1           |
| 913165 | 150 Wt, flat tip | 100     | 1           |

### Soldering kit, 5 pcs



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 913245 | Soldering iron 30 W, 220 V, stand, tip, paste, solder | 50      | 1           |



### Soldering repair kit



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 913235 | 6 pieces       | 50      | 1           |

### Burning kit, 7 pcs



| ITEM   | SPECIFICATIONS                                  | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 913225 | Soldering iron 30 Wt, 220 V, stand & change kit | 50      | 1           |

### Desoldering Pump



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 913265 | metal          | 100     | 1           |

### Tin solder wire small Sn60Pb40



| ITEM   | SPECIFICATIONS                 | PACKAGE | MIN PACKAGE |
|--------|--------------------------------|---------|-------------|
| 914785 | D 1 mm, 10 gr, in plastic tube | 1000    | 250         |



| ITEM   | SPECIFICATIONS                 | PACKAGE | MIN PACKAGE |
|--------|--------------------------------|---------|-------------|
| 913305 | D 1 mm, 10 gr, in plastic tube | 2000    | 1           |
| 913315 | D 1 mm, 17 gr, in plastic tube | 1000    | 1           |



| ITEM   | SPECIFICATIONS              | PACKAGE | MIN PACKAGE |
|--------|-----------------------------|---------|-------------|
| 913325 | D 1 mm, 25 gr, plastic coil | 500     | 1           |
| 913335 | D 1 mm, 50 gr, plastic coil | 250     | 125         |

### Soldering paste



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 913345 | 10 gr          | 500     | 1           |
| 913355 | 15 gr          | 500     | 50          |

### Glue gun



| ITEM   | SPECIFICATIONS      | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 930125 | 40 Wt, 220 V, 11 mm | 48      | 1           |
| 930305 | 80 Wt, 220 V, 11 mm | 40      | 20          |

### Clue sticker



| ITEM   | SPECIFICATIONS        | PACKAGE | MIN PACKAGE |
|--------|-----------------------|---------|-------------|
| 930705 | 11 mm, L-300 mm, 1 kg | 20      | 1           |

### Device for detecting hidden wiring and metal



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 938225 | Universal      | 100     | 4           |

### Drill bit sharper



| ITEM   | SPECIFICATIONS                  | PACKAGE | MIN PACKAGE |
|--------|---------------------------------|---------|-------------|
| 912305 | for drill grinding, D 3,5–10 mm | 20      | 10          |

### Drill mounting bench



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 934055 | Ø 40 with vice | 10      | 1           |



## Angle grinder mounting bench



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 934155 | COS-115        | 10      | 1           |
| 934205 | COS-230        | 6       | 1           |

## Magnifier



| ITEM   | SPECIFICATIONS              | PACKAGE | MIN PACKAGE |
|--------|-----------------------------|---------|-------------|
| 913655 | illuminated 3-fold, D 90 mm | 160     | 40          |



| ITEM   | SPECIFICATIONS               | PACKAGE | MIN PACKAGE |
|--------|------------------------------|---------|-------------|
| 913675 | folding, pocket 6-fold, D 56 | 240     | 12          |



| ITEM   | SPECIFICATIONS  | PACKAGE | MIN PACKAGE |
|--------|-----------------|---------|-------------|
| 913715 | 3-fold, D 75 mm | 144     | 36          |
| 913725 | 5-fold, D 65 mm | 240     | 60          |



| ITEM   | SPECIFICATIONS             | PACKAGE | MIN PACKAGE |
|--------|----------------------------|---------|-------------|
| 913745 | 4 & 6-fold, D 70 and 20 mm | 120     | 30          |



| ITEM   | SPECIFICATIONS                           | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 913755 | folding with stand, 2-fold, D 106, 25 mm | 40      | 10          |



| ITEM   | SPECIFICATIONS                        | PACKAGE | MIN PACKAGE |
|--------|---------------------------------------|---------|-------------|
| 913795 | with tweezers 8-fold, D 27 mm, type 2 | 1000    | 1           |



| ITEM   | SPECIFICATIONS                            | PACKAGE | MIN PACKAGE |
|--------|---|---------|-------------|
| 913815 | folding 10- and 20-fold, D 18 mm, D 12 mm | 360     | 60          |



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 913825 | Magnifier with additional lenses, illuminated, with fixers on the head | 36      | 1           |
| 913835 | Magnifier with additional lenses, with fixers on the head              | 36      | 1           |
| 913845 | with fixers on the head  | 36      | 1           |



| ITEM   | SPECIFICATIONS                 | PACKAGE | MIN PACKAGE |
|--------|--------------------------------|---------|-------------|
| 914695 | 2,5-fold, D 75 mm, illuminated | 80      | 10          |



| ITEM   | SPECIFICATIONS                     | PACKAGE | MIN PACKAGE |
|--------|------------------------------------|---------|-------------|
| 914705 | 2,5-fold, D 50 mm, folding, pocket | 240     | 12          |



| ITEM   | SPECIFICATIONS                     | PACKAGE | MIN PACKAGE |
|--------|------------------------------------|---------|-------------|
| 914605 | Helping hand with magnifying glass | 24      | 6           |

## Twizzers kit



| ITEM   | SPECIFICATIONS                | PACKAGE | MIN PACKAGE |
|--------|-------------------------------|---------|-------------|
| 914805 | 2 pcs Tweezers kit, stainless | 100     | 10          |



| ITEM   | SPECIFICATIONS                | PACKAGE | MIN PACKAGE |
|--------|-------------------------------|---------|-------------|
| 914845 | 4 pcs Tweezers kit, stainless | 100     | 10          |



## Gas burner



| ITEM   | SPECIFICATIONS      | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 914105 | pencil type, 193 mm | 200     | 50          |



| ITEM   | SPECIFICATIONS                 | PACKAGE | MIN PACKAGE |
|--------|--------------------------------|---------|-------------|
| 914125 | pencil type+ 2 nozzles, 130 mm | 120     | 12          |



| ITEM   | SPECIFICATIONS      | PACKAGE | MIN PACKAGE |
|--------|---------------------|---------|-------------|
| 914145 | pencil type, 200 mm | 200     | 50          |



| ITEM   | SPECIFICATIONS                  | PACKAGE | MIN PACKAGE |
|--------|---------------------------------|---------|-------------|
| 914185 | pencil type + 2 nozzles, 200 mm | 100     | 1           |



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 914255 | Gas torch MT-4 | 48      | 12          |



| ITEM   | SPECIFICATIONS           | PACKAGE | MIN PACKAGE |
|--------|--------------------------|---------|-------------|
| 914305 | cassette «TURBO», 110 mm | 100     | 10          |



| ITEM   | SPECIFICATIONS   | PACKAGE | MIN PACKAGE |
|--------|--|---------|-------------|
| 914325 | Gas torch, pencil type with piezo ignition + 4 nozzles for soldering, 200 mm | 100     | 2           |

## Soldering lamp



| ITEM  | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|-------|----------------|---------|-------------|
| 91443 | 1,5 L          | 6       | 1           |

## Mousetrap



| ITEM  | SPECIFICATIONS                    | PACKAGE | MIN PACKAGE |
|-------|-----------------------------------|---------|-------------|
| 93888 | reinforced metal mousetrap, 2 pcs | 120     | 1           |



| ITEM   | SPECIFICATIONS          | PACKAGE | MIN PACKAGE |
|--------|-------------------------|---------|-------------|
| 938295 | wooden mousetrap, 2 pcs | 288     | 12          |

## Rat trap



| ITEM  | SPECIFICATIONS                   | PACKAGE | MIN PACKAGE |
|-------|----------------------------------|---------|-------------|
| 93889 | reinforced metal rat trap, 2 pcs | 60      | 1           |

## Kerosene lamp



| ITEM   | SPECIFICATIONS | PACKAGE | MIN PACKAGE |
|--------|----------------|---------|-------------|
| 932305 | kerosene lamp  | 30      | 1           |