

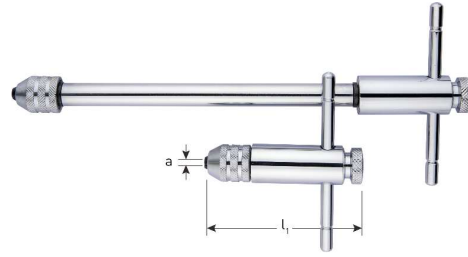
Tap and Die accessories

Tap Wrenches with ratchet

Ratcheting tap wrenches for hand taps, for both left and right handed operations. Standard (short) and long executions. For hand tapping operations where space is limited and ordinary tap wrenches can't be used.

Packed per 1 piece

| Article No. | Type No. | d (min-max) | a (min-max) mm | l1 mm | IMPA |
|-------------|----------|-------------|----------------|-------|----------|
| 394001 | 1 | M 3 - M 10 | 2.4 - 5.5 | 85 | 63 34 13 |
| 394002 | 2 | M 5 - M 12 | 4.5 - 8.0 | 100 | 63 34 14 |
| 394003 | 10 | M 3 - M 10 | 2.4 - 5.5 | 250 | - |
| 394004 | 20 | M 5 - M 12 | 4.5 - 8.0 | 300 | - |

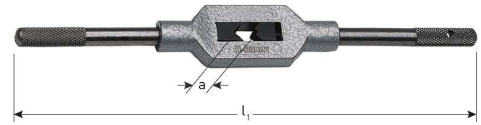


Adjustable Tap Wrench Aluminium

Adjustable tap wrenches according to DIN 1814, made of aluminium-zinc alloy, steel jaws, for hand taps. Aluminium color.

Packed per 1 piece

| Article No. | Type No. | d (min-max) | a (min-max) mm | l1 mm | IMPA |
|-------------|----------|-------------|----------------|-------|----------|
| 394010 | 0 | M 1 - M 8 | 2.0 - 5.0 | 130 | 63 34 01 |
| 394011 | 1 | M 1 - M 10 | 2.0 - 6.3 | 176 | 63 34 02 |
| 394012 | 1.1/2 | M 1 - M 12 | 2.1 - 8.0 | 176 | 63 34 03 |
| 394013 | 2 | M 4 - M 12 | 3.0 - 9.0 | 280 | 63 34 03 |



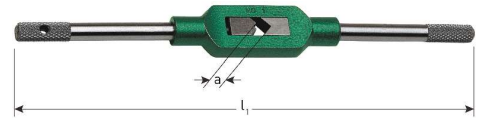
| Article No. | Type No. | d (min-max) | a (min-max) mm | l1 mm | IMPA |
|-------------|----------|-------------|----------------|-------|----------|
| 394014 | 3 | M 5 - M 20 | 4.9 - 12.0 | 380 | 63 34 04 |
| 394015 | 4 | M 11 - M 27 | 5.5 - 16.0 | 505 | 63 34 05 |
| 394016 | 5L | M 13 - M 32 | 7.0 - 20.0 | 700 | 63 34 06 |

Adjustable Tap Wrench Steel

Adjustable tap wrenches according to DIN 1814, housing made of casted steel, steel jaws, for hand taps. Green color.

Packed per 1 piece

| Article No. | Type No. | d (min-max) | a (min-max) mm | l1 mm | IMPA |
|-------------|----------|-------------|----------------|-------|----------|
| 394020 | 0 | M 1 - M 8 | 2.0 - 5.0 | 130 | 63 34 01 |
| 394021 | 1 | M 1 - M 10 | 2.0 - 6.3 | 176 | 63 34 02 |
| 394022 | 1.1/2 | M 1 - M 12 | 2.1 - 8.0 | 176 | 63 34 03 |
| 394023 | 2 | M 4 - M 12 | 3.0 - 9.0 | 280 | 63 34 03 |
| 394024 | 3 | M 5 - M 20 | 4.9 - 12.0 | 380 | 63 34 04 |



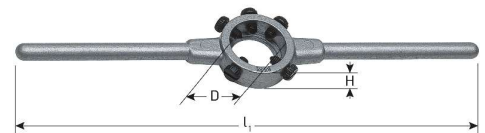
| Article No. | Type No. | d (min-max) | a (min-max) mm | l1 mm | IMPA |
|-------------|----------|-------------|----------------|-------|----------|
| 394025 | 4 | M 11 - M 27 | 5.5 - 16.0 | 505 | 63 34 05 |
| 394026 | 5 | M 13 - M 32 | 7.0 - 20.0 | 700 | 63 34 06 |
| 394027 | 6 | M 18 - M 42 | 11.0 - 24.0 | 1000 | 63 34 07 |
| 394028 | 7 | M 25 - M 52 | 16.0 - 32.0 | 1250 | 63 34 08 |
| 394029 | 8 | M 25 - M 64 | 16.0 - 40.0 | 1250 | - |

Die Stock

Die stocks according to DIN 225, made of aluminium-zinc alloy, steel screws, for threading dies according to DIN EN 22568.

Packed per 1 piece

| Article No. | D x H | d (min-max) | l1 mm | IMPA |
|-------------|---------|---------------|-------|----------|
| 394030 | 16 x 5 | M 1 - M 2.6 | 160 | 63 34 21 |
| 394031 | 20 x 5 | M 3 - M 4 | 200 | 63 34 22 |
| 394032 | 20 x 7 | M 4.5 - M 6 | 200 | 63 34 22 |
| 394033 | 25 x 9 | M 7 - M 9 | 224 | 63 34 23 |
| 394034 | 30 x 11 | M 10 - M 11 | 280 | - |
| 394035 | 38 x 10 | MF 12 - MF 14 | 315 | - |
| 394036 | 38 x 14 | M 12 - M 14 | 315 | 63 34 24 |



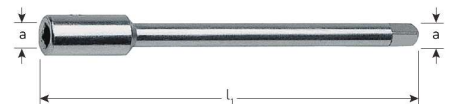
| Article No. | D x H | d (min-max) | l1 mm | IMPA |
|-------------|---------|---------------|-------|----------|
| 394037 | 45 x 14 | MF 16 - MF 20 | 450 | - |
| 394038 | 45 x 18 | M 16 - M 20 | 450 | 63 34 25 |
| 394039 | 55 x 16 | MF 22 - MF 24 | 560 | - |
| 394040 | 55 x 22 | M 22 - M 24 | 560 | 63 34 26 |
| 394041 | 65 x 18 | MF 27 - MF 36 | 630 | - |
| 394042 | 65 x 25 | M 27 - M 36 | 630 | 63 34 27 |

Tap Extensions

Increase reach length of (machine) taps.

Packed per 1 piece

| Article No. | a mm | d3 mm | l1 mm | IMPA |
|-------------|------|-------|-------|------|
| 394050 | 2.1 | 5 | 60 | - |
| 394051 | 2.7 | 7 | 80 | - |
| 394052 | 3.0 | 7 | 90 | - |
| 394053 | 3.4 | 8 | 95 | - |
| 394054 | 3.8 | 9 | 100 | - |
| 394055 | 4.3 | 10 | 105 | - |
| 394056 | 4.9 | 11 | 110 | - |
| 394057 | 5.5 | 12 | 115 | - |



| Article No. | a mm | d3 mm | l1 mm | IMPA |
|-------------|------|-------|-------|------|
| 394058 | 6.2 | 14 | 120 | - |
| 394059 | 7.0 | 15 | 125 | - |
| 394060 | 8.0 | 17 | 125 | - |
| 394061 | 9.0 | 19 | 130 | - |
| 394062 | 10.0 | 21 | 140 | - |
| 394063 | 12.0 | 25 | 155 | - |
| 394064 | 14.5 | 29 | 175 | - |

Tap and Die accessories

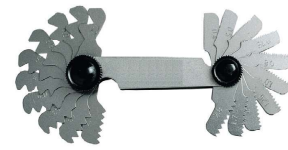
Screw Pitch Gauges

For inside and outside measurements

Packed per 1 piece

Other configurations available on request

| Article No. | Type Thread | Number of blades | Set combination | IMPA |
|-------------|-----------------------|------------------|---|----------|
| 001064 | Double thread caliper | 52 | Whitworth-thread 55° 4-62 Metric-thread 60° 0.25-6.0 | - |
| 001065 | DIN 13 / 14 Metric | 20 | Metric-thread 60° 0.4-7.0 | 65 06 03 |
| 001066 | Metric | 24 | Metric-thread 60° 0.25-6.0 | 65 06 02 |
| 001071 | Metric | 18 | Metric-thread 60° 0.5-6.0 | 65 06 05 |
| 001067 | Whitworth | 28 | Whitworth-thread 55° 4-62 | 65 06 01 |
| 001068 | Whitworth-Pipe | 6 | Whitworth-Pipe thread 55° 8-28 | - |
| 001069 | UNC | 22 | UNC-thread 60° 4-64 gang | 65 06 07 |
| 001070 | UNF | 16 | UNF-thread 60° 12-80 gang | - |



Screw Extractors

For inside and outside measurements Spiral screw extractors, in sets, tempered steel, for use on broken screws and bolts with a right-handed thread.

Application; Drill locked screw out to proper diameter. Insert extractor and turn anti-clockwise using tap wrench. Keep on turning so the extractor digs itself into the screw until enough torque can be applied to remove the screw.

Packed per 1 piece

| Article No. | Description | Nr. | d (min-max) | Content | IMPA |
|-------------|-------------|-------|-------------|--------------------------------------|----------|
| 394070 | 5 pc set | 1 - 5 | M 3 - M 18 | No. 1,2,3,4 and 5 1 pc each | 63 24 86 |
| 394071 | 6 pc set | 1 - 6 | M 3 - M 24 | No. 1,2,3,4,5 and 6 1 pc each | 63 24 87 |
| 394072 | 8 pc set | 1 - 8 | M 3 - M 50 | No. 1,2,3,4,5,6,7 and 8 1 pc each | - |



Cutting oils, paste and wax

Cutting oil UNI RS-50

High-end general purpose cutting oil, formulated on plant based oils free of chlorides. Suitable for metal cutting applications on most common metals such as (alloyed) steel, stainless steel, CrNi-steel, Mn-steel, titanium, etc.

Application; For metal cutting and metal deforming applications such as thread cutting, thread rolling, drilling, milling and turning. For general purpose and universal (UNI) applications on all ferrous metals.

Packed per 1 piece

| Article No. | Description | IMPA |
|-------------|---------------------------------------|------|
| 389090 | RS-50 cutting oil UNI 400 ml. Aerosol | - |
| 389091 | RS-50 cutting oil UNI flask 0.25 ltr | - |
| 389095 | RS-50 cutting oil UNI flask 1.0 ltr | - |
| 389094 | RS-50 cutting oil UNI jerry-can 5 ltr | - |

UNI



Cutting oil INOX RS-60

High-end general purpose cutting oil, formulated on plant based oils and free of chlorides.

For metal cutting and metal forming applications such as thread cutting, thread rolling, drilling, milling, turning etc.

Application; For heavy-duty (HD) applications on all ferrous metals and for improved performance on stainless steels (INOX).

Packed per 1 piece

| Article No. | Description | IMPA |
|-------------|--|------|
| 389096 | RS-60 cutting oil INOX flask 0.25 ltr | - |
| 389097 | RS-60 cutting oil INOX flask 1.0 ltr | - |
| 389098 | RS-60 cutting oil INOX jerry-can 5 ltr | - |

INOX

HD



Cutting oil ALUMINIUM RS-70

High-end general purpose cutting oil, formulated on plant based oils and free of chlorides.

For metal cutting and metal forming applications such as thread cutting, thread rolling, drilling, milling, turning etc.

Application; Specifically for applications on all non-ferrous metals such as aluminium, copper, brass, bronze, zinc, etc.

Packed per 1 piece

| Article No. | Description | IMPA |
|-------------|---|------|
| 389100 | RS-70 cutting oil ALUMINIUM flask 0.25 ltr | - |
| 389101 | RS-70 cutting oil ALUMINIUM flask 1.0 ltr | - |
| 389102 | RS-70 cutting oil ALUMINIUM jerry-can 5 ltr | - |

ALU

NON-FERRO



Cutting oils, paste and wax

Cutting oil KROON OIL ESPADON ZCZ-1500

Espadon ZCZ-1500 is a cutting oil, based on refined High Grade mineral base oils. The product is supplemented with selected anti-mist, polar and chemical 'Extreme Pressure' additives. Together with effective evaporation, Espadon ZCZ-1500 contributes to an improvement in the working environment during its entire service life. Thanks to its special formulation, Espadon ZCZ-1500 achieves the following properties: Chlorine-free, Outstanding EP properties, Good air-release and resistance to foaming, Does not affect machine varnishes and seals, Low aromatic content, Low formation of oil mist, A low level of evaporation, Good surface finish, Can be used with all other Kroon-Oil machine oils

Packed per 12 pieces



| Article No. | Description | IMPA |
|-------------|-----------------------------------|------|
| 97KR034320 | Kroon-Oil ESPADON ZCZ-1500 5 ltr. | - |

Cutting wax stick UNI

High-end wax stick for coolant and lubrication of cutting operations on non-ferrous metals such as aluminium, copper, brass, etc. Free of chlorides, no harmful fumes or vapours.

For all circular saw blade machines without coolant supply. To apply the wax, hold the wax stick against the rotating blade shortly. Repeat every 10-20 sawing cycles. Also suitable for milling, tapping, reaming, drilling, turning etc.

Packed per 1 piece

| Article No. | Description | IMPA |
|-------------|--|------|
| 389092 | RW-30 Wax stick UNI 30 gram | - |
| 389093 | RW-30 Wax stick UNI cartridge 300 gram | - |



Cutting Paste INOX

Cutting paste in a handy tube, free of chlorides and odours.

Application; This paste was specifically developed for all heavy-duty metal cutting operations such as tapping, drilling and milling of difficult to cut materials such as stainless steel, Cr-Ni steel, titanium, manganese steel etc.

Packed per 1 piece

| Article No. | Description | IMPA |
|-------------|--|------|
| 389099 | RP-12 INOX Cutting Paste 120 gram tube | - |



Cutting Paste UNI

Paste for annular cutters with extreme lubricating properties. The paste resides perfectly on the cutting edges and liquefies during the cutting operation.

Application; Dip the cutting tool in the paste for optimized results. Ideal for all operations such as tapping, drilling and milling of difficult to cut materials such as stainless steel, Cr-Ni steel, titanium, manganese steel etc.

Packed per 1 piece

| Article No. | Description | IMPA |
|-------------|--------------------------------------|------|
| 389087 | RP-25 Cutting Paste UNI 250 gram tin | - |
| 389088 | RP-25 Cutting Paste UNI 750 gram tin | - |

