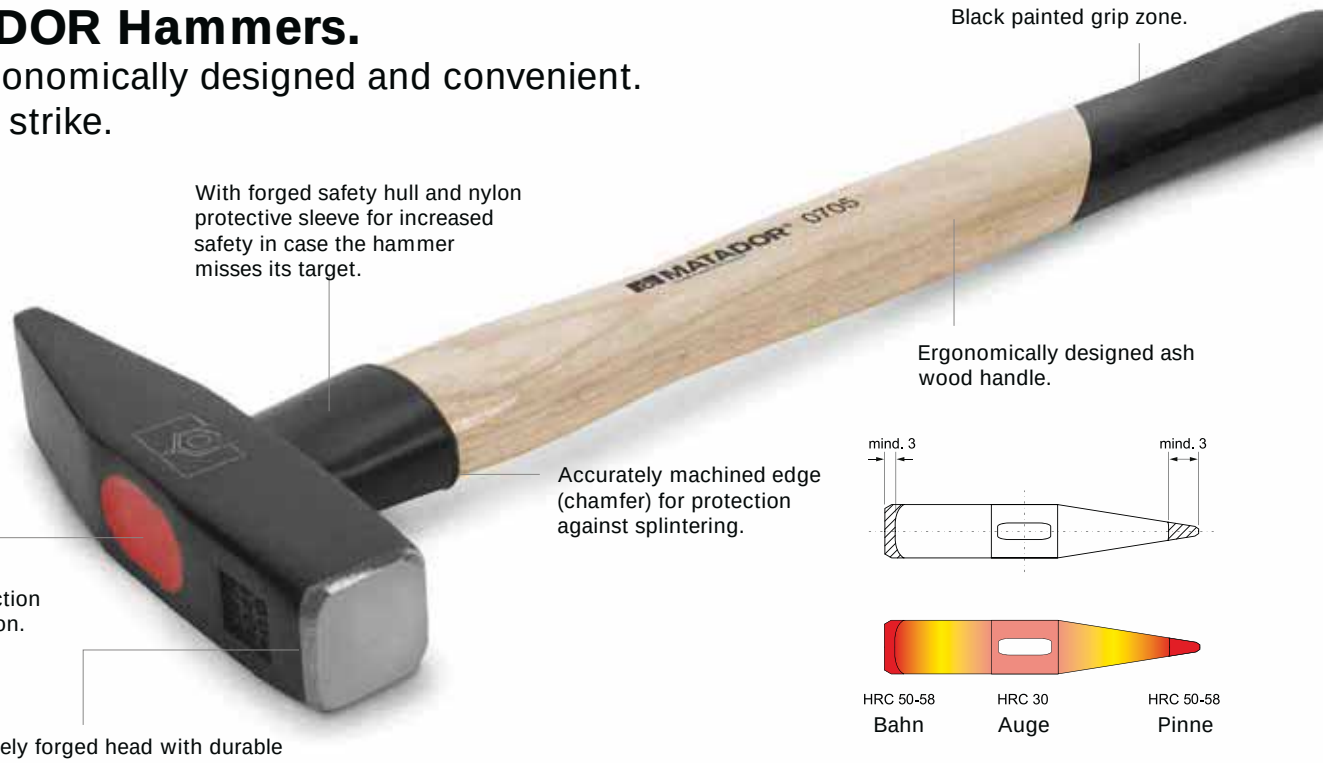
Miscellaneous Tools.

Be a MATADOR.

Content
Miscellaneous Tools.

MATADOR Hammers.

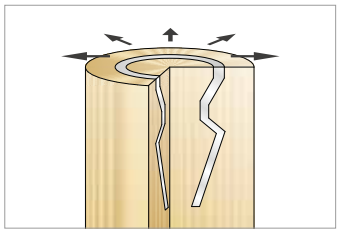
Safe, ergonomically designed and convenient.
Strike by strike.



Secure fitting of handle and hammer head.

On principle MATADOR hammer handles are fitted to the hammer head by a ring wedge.

Other than a flat wedge the ring wedge presses the handle wood evenly to all sides to the eye of the hammer head and thus allows a tight fit. The integrated barbed hook makes sure that the hammer head does note become loose unintendedly even after several hundreds of blows.



Controlled hardness and perfect cut.

Hammers have to have the „right" hardness. According to DIN 1193 the hardness at the face (the flat end) and pein has to be 50 - 58 HRC. This value makes sure that the hammer is not too hard to avoid splintering when in in use. On the other hand the head must not be too soft as buckles and beads at the face would occur.

Moreover DIN 1193 defines the cut of the two hammer ends: the face has to be chamferred all-round. The pein should be evenly blunt and chamferred at the sides.

MATADOR hammers are ground fully automatically on state-of-the-art machines and thus ensure a perfect protection from splintering even under heavy stress.

Only certified wood.

The right wood for striking tools is regulated under DIN 68340. Preferred wood types are hickory and ash. For our hammers with wooden handle we only use ash or hickory wood from controlled cultivation.

Ash is the most common wood type used for quality hammers. Ash is relatively inexpensive break resistant to a large extent short-fibered in structure.

In case of breakage the ash handle breaks in two parts because at the break line the wood cannot be held together.

Hickory, on the contrary, has longer fibers and is thus 3 to 4 times steadier and more elastic (= more stress-resistant) than ash. However, it is also more expensive.

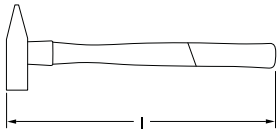
Safety Instructions.

- Always wear eye protection goggles and protective gloves.
- For optimal impact the position for your hands on the handle should be as far as possible away from the hammer head.
- Always keep the hammer handle free from lubricants.
- Never misuse a hammer as a lever.
- Only use the work faces of a hammer. Never use the sides.
- Do not store hammers with wooden handles in a warm and dry environment. The hammer might lose moisture and shrink. Bevore using the hammer please check that the hammer head is tightly and securely fitting to the shaft.
- Never use steel hammers to work on workpieces with a hardness exceeding 46 HRC. For this purpose use MATADOR plastic hammers or non-rebound hammers.

Engineer‘s Hammers

- German pattern
- Forged hammer head
- Induction hardened
- Sideways smoothed and epoxy powdered
- Handle fixed with round steel wedge and resin
- With safety collar (tapered)

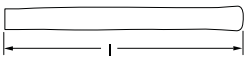
- Standards: DIN 1041 / handle DIN 5111
- Material: Head C 45, handle ash
- Surface: Black painted hand end



Art. Code	g	l mm	g	
0705 0200	200	275	250	6
0705 0300	300	300	370	6
0705 0400	400	310	460	6
0705 0500	500	320	590	6
0705 0800	800	350	910	2
0705 1000	1000	355	1170	2
0705 1500	1500	380	1700	2
0705 2000	2000	400	2285	1

Spare Handles

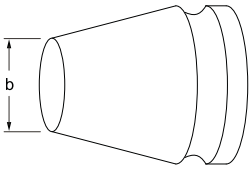
- Ash handle for engineer‘s hammers
- Standard: DIN 5111
- Material: Ash

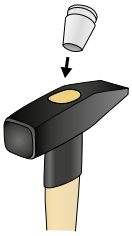


Art. Code	g	l mm	g	
0705 0201	200	275	57	6
0705 0301	300	300	71	6
0705 0401	400	310	100	6
0705 0501	500	320	105	6
0705 0801	800	350	149	2
0705 1001	1000	355	157	2
0705 1501	1500	380	185	2
0705 2001	2000	400	285	1

Spare Collars

- Collars for engineer‘s hammers





Art. Code	g	b mm	g	
0705 0202	200	8	2	6
0705 0302	300	9	2	6
0705 0402	400	10	3	6
0705 0502	500	12	4	6
0705 0802	800	14	7	2
0705 1002	1000	15	8	2
0705 1502	1500	15	8	2
0705 2002	2000	16	11	1

Club Hammers

- German pattern
- Forged hammer head
- Induction hardened
- Sideways smoothed and epoxy powdered
- Handle fixed with round steel wedge and resin
- With safety collar (tapered)

- Standard: DIN 6475 / Handle DIN 5135
- Material: Head C 45, handle ash
- Surface: Black painted hand end

Art. Code	g	l mm	g	
0707 1000	1000	260	1180	1
0707 1500	1500	280	1690	1
0707 2000	2000	300	2200	1

Copper Hammers

- For non-sparking stroke
- Forged hammer head
- Handle fixed with round steel wedge
- Ash handle

Art. Code	g	l mm	g	
0708 0300	300	260	370	6
0708 0500	500	270	600	6
0708 0800	800	280	900	2
0708 1000	1000	280	1100	2

Sledge Hammers

- Forged hammer head
- Sideways smoothed and epoxy powdered
- Handle fixed with round steel wedge and resin
- With safety collar (tapered)

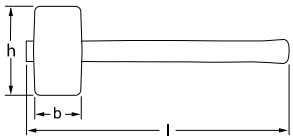
- Standard: DIN 1042 / Handle DIN 5112
- Material: Head C 45, handle ash
- Surface: Hand end black painted

Art. Code	g	l mm	g	
0711 0300	3000	610	3500	1
0711 0400	4000	710	4600	1
0711 0500	5000	810	5600	1
0711 0600	6000	810	6500	1
0711 0800	8000	910	8500	1
0711 1000	10000	910	10500	1

Rubber Mallets, soft

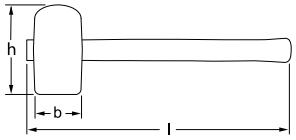
- Soft version according to DIN 5128-60
- 60 Shore D hardness
- With two flat surfaces
- With ash handle

- Standard: DIN 5128-60
- Material: Head rubber, handle ash



Art. Code	h mm	b mm	l mm	g	
0738 0001	90	54	320	300	1
0738 0002	113	64	340	520	1
0738 0003	127	74	380	770	1
0738 0004	139	90	380	1150	1

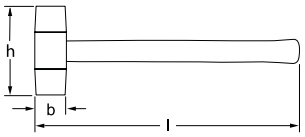
- Soft version according to DIN 5128-60
- With one flat and one curved surface
- With ash handle



Art. Code	h mm	b mm	l mm	g	
0738 0005	113	64	340	520	1

Plastic Hammers

- With exchangeable heads made from red shatter-proof cellulose acetate
- 65 Shore D hardness
- With ash handle



Art. Code	h mm	b mm	l mm	g	
0700 0001	75	22	255	150	6
0700 0002	90	27	270	200	6
0700 0003	97	32	280	350	6
0700 0004	103	35	290	450	6
0700 0005	111	40	320	600	2
0700 0006	120	50	340	900	2

- Spare heads (1 pair)

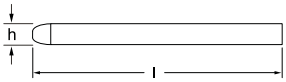
- Please heat up before assembly

Art. Code	b mm	g	
0700 1001	22	30	6
0700 1002	27	30	6
0700 1003	32	35	6
0700 1004	35	60	6
0700 1005	40	65	2
0700 1006	50	130	2

Number Punches

- 9 numbers („0 - 9“)
- For labelling work pieces with a strength of 600 - 800 N/mm²
- Hardness at the engraving: 58 - 60 HRC
- In unbreakable, blue plastic box

- Standard: Characters acc. DIN 1451
- Material: Tool steel
- Surface: Silky matt



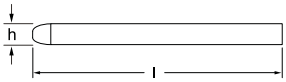
Art. Code	mm	l mm	h mm	g	
0712 0040	4	65	7	200	1
0712 0050	5	65	8	300	1
0712 0060	6	70	9	400	1
0712 0080	8	75	11	600	1

1 2 3
4 5 6
7 8 0

Letter Punches

- 27 capital letters („A - Z“, + „&“)
- For labelling work pieces with a strength of 600 - 800 N/mm²
- Hardness at the engraving: 58 - 60 HRC
- In unbreakable, blue plastic box

- Standard: Characters acc. DIN 1451
- Material: Tool steel
- Surface: Silky matt



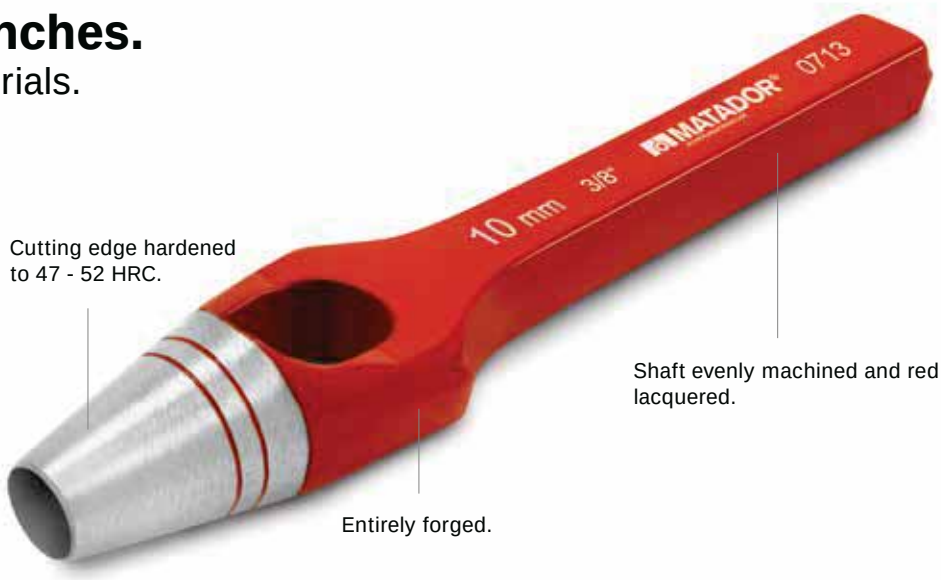
Art. Code	mm	l mm	h mm	g	
0712 1040	4	65	7	600	1
0712 1050	5	65	8	800	1
0712 1060	6	70	9	1200	1
0712 1080	8	75	11	1850	1

A B C D E F G H I
J K L M N O P Q R
S T U V W X Y Z &

MATADOR Arch Punches.

Ideal for repair of soft materials.

For stamping out felt, carpets, leather, rubber, sealing materials and other soft materials.



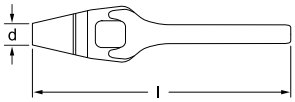
Cutting edge hardened to 47 - 52 HRC.

Entirely forged.

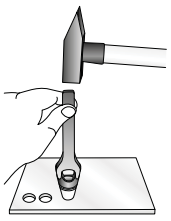
Shaft evenly machined and red lacquered.

Arch Punches

– Standard: DIN 7200 Form A
– Material: C 35 / C 45
– Surface: Red lacquered



Art. Code	d mm	d "	l mm	g	
0713 0030	3	1/8	105	47	10
0713 0040	4	5/32	105	48	10
0713 0050	5	3/16	110	55	10
0713 0060	6	7/32	110	68	10
0713 0070	7	1/4	120	92	10
0713 0080	8	5/16	120	95	10
0713 0100	10	3/8	130	129	10
0713 0120	12	15/32	130	135	10
0713 0140	14	9/16	140	169	5
0713 0150	15	19/32	140	173	10
0713 0160	16	5/8	140	175	5
0713 0170	17	21/32	145	226	10
0713 0180	18	11/16	145	228	10
0713 0200	20	25/32	160	317	5
0713 0220	22	7/8	160	313	5
0713 0250	25	1	170	388	5
0713 0300	30	1	175	450	5



– All important arch punches in practical roll bag made of black synthetic leather
– With strap sealing, 8 compartments

Art. Code		g	
0713 9080	8	1475	1

Content **0713** 3 - 6 - 8 - 10 - 12 - 16 - 20 - 25 mm

MATADOR Striking Tools.

Hot forged and hardened as a whole.

Tried and tested industrial quality for long service life.

It goes without saying that MATADOR striking tools comply with the DIN standards with respect to their form and workmanship.

Chisels, center punches, drift punches and parallel pin punches are made of a special chrome vanadium air hardening steel. All striking tools are entirely quenched and tempered and thus resist hard working stress and guarantee an especially long service life.

Thanks to the additional inductive hardening of the striking head to 35 - 46 HRC no splintering and beading will occur.

Even in hard industrial working stress MATADOR striking tools will not break.

In case of low wear: Regrinding.

Dulled edges can be reground several times. Make sure that grinding intervals are short and avoid excessive grinding heat in order not to impair the hardness (ideal: water cooling).

In case of heavy wear: Reforging.

In case of heavy wear and tear the cutting edges can be reforged at any time: Pay attention to the right heating of the forging range (cutting edge + 30 mm) up to 950 - 1050°C. The optimal hardening temperature is 790 - 880°C, then immediately quench in oil and heat up to a temperature of approx. 280°C. Ready.

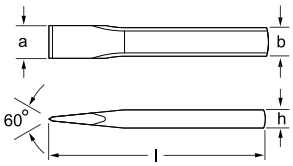
Safety Instructions.

The following working safety requirements should be strictly observed due to high risk of injury involved in the improper use of hand striking tools:

- Always wear eye protection goggles.
- Select the right striking tool and the appropriate hammer size depending to the application.
- Avoid working on hardenend material exceeding 40 HRC due to the risk of being seriously injured through splintering.
- Avoid the striking head to be soiled by lubricants.
- Remove burrs at the striking head regularly through grinding.
- Check the cutting edge of the tool before starting to work. Worn cutting edges have to be reground.
- Only use striking tools for their intended purpose.

Flat Cold Chisels

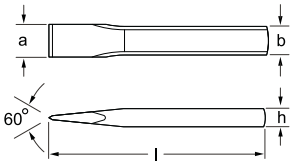
- For general and coarse chiselling work at brickwork, concrete or massive stone
- With regrindable cutting edge
- Through-hardened cutting edge
- Standard: DIN 6453
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered



Art. Code	l mm	a mm	b x h mm	g	
0714 0125	125	18	17 x 11	150	10
0714 0150	150	18	17 x 11	205	10
0714 0175	175	21	20 x 12	280	10
0714 0200	200	24	23 x 13	370	10
0714 0250	250	25	23 x 13	500	10
0714 0300	300	26	23 x 13	600	5

Flat Cold Chisels with Hand Protecting Grip

- For effective hand protection if hammer misses its target
- Protecting grip made of impact-resistant plastic
- Ergonomic design
- Extra broad protection plate
- No rolling away through cornered design
- With flat cold chisels for general and coarse chiselling work at brickwork, concrete or massive stone
- With regrindable cutting edge
- Through-hardened cutting edge
- Standard: DIN 6453
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered



Art. Code	l mm	a mm	b x h mm	g	
0714 1250	250	25	23 x 13	605	10

Flat Cold Chisels, Set

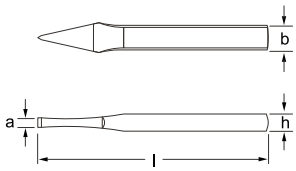
- All important flat cold chisels in practical roll bag made of black synthetic leather
- With strap sealing, 5 compartments
- Standard: DIN 6453
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered

Art. Code		g	
0714 9050	5	1500	1

Content **0714** 125 - 150 - 175 - 200 - 250 mm

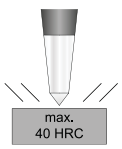
Cross-cut Chisels

- For cutting metal
- For narrow groves or inner edges
- With regrindable cutting edge
- Through-hardened cutting edge
  Standard: DIN 6451
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered

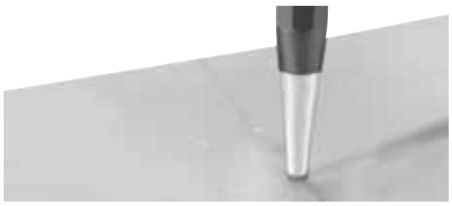


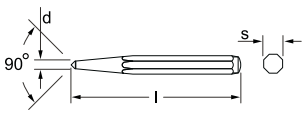
Art. Code	l mm	a mm	b x h mm	g	
0715 0125	125	5	17 x 11	100	10
0715 0150	150	6	17 x 11	180	10
0715 0175	175	7	17 x 11	210	10
0715 0200	200	8	20 x 12	340	10
0715 0250	250	9	23 x 13	455	10

Center Punches



- For marking drilling positions on metal surfaces
- Ideal as centering support
- With ground and polished surface
- Through-hardened cutting edge
- Standard: DIN 7250
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered



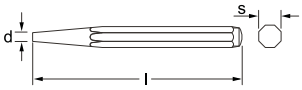


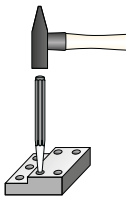
Art. Code	d mm	s mm	l mm	g	
0717 0040	4	10	120	70	10
0717 0050	5	12	120	105	10

Drift Punches

- For punching holes into steel sheets
- With ground and polished surface
- With octagonal shaft
- Through-hardened cutting edge

- Standards: DIN 6458 Form B / D
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered





Art. Code	d mm	s mm	l mm	g	
0716 0030	3	10	120	70	10
0716 0040	4	10	120	70	10
0716 0050	5	10	120	80	10
0716 0100	10	12	150	150	5

Drift Punches, Set

6

- All important drift punches in practical black plastic holder
- For punching holes into steel sheets
- With ground and polished surface
- With octagonal shaft
- Through-hardened cutting edge

- Standards: DIN 6458 Form B / D
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered

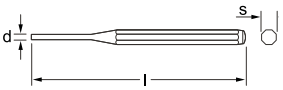
Art. Code		g	
0716 9060	6	1500	1

Content **0716** 3 - 4 - 5 - 6 - 8 - 10 mm

Parallel Pin Punches

- For punching fastening elements like rivets, pins or bolts
- With ground and polished surface
- With rounded edges
- Through-hardened cutting edge

- Standard: DIN 6450 Form C
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered



Art. Code	d mm	s mm	l mm	g	
0718 0020	2	10	150	65	10
0718 0030	3	10	150	70	10
0718 0040	4	10	150	70	10
0718 0050	5	10	150	75	10
0718 0060	6	10	150	80	10
0718 0080	8	12	150	115	10
0718 0100	10	12	150	125	10

Parallel Pin Punches, Set

- All important parallel pin punches in practical black plastic holder

- Standard: DIN 6450 Form C
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered

Art. Code		g	
0718 9060	6	800	1

Content **0718** 2 - 3 - 4 - 5 - 6 - 8 mm

Parallel Pin Punches, Set

- All important parallel pin punches in practical folding metal box

- Standard: DIN 6450 Form C
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered

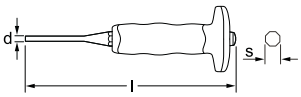
Art. Code		g	
0718 9160	6	800	1

Content **0718** 2 - 3 - 4 - 5 - 6 - 8 mm

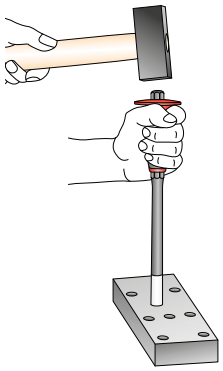
Parallel Pin Punches XXL

- Especially for industry and utility vehicles
- Extra long design
- Hand protecting grip with 2-component handle
- For punching fastening elements like rivets, pins or bolts
- With ground and polished surface
- With rounded edges
- Through-hardened cutting edge

- Standard: DIN 6450 Form C
- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered



Art. Code	d mm	s mm	l mm	g	
0718 1080	8	14	225	245	5
0718 1100	10	14	240	280	5
0718 1120	12	14	260	325	5
0718 1140	14	18	275	490	5
0718 1160	16	18	290	570	5



Tool Set

- Flat cold chisels, cross-cut chisel, center punch and taper punches in one set

- Material: Special chrome vanadium air hardening steel
- Surface: Black lacquered

Art. Code		g	
0719 9060	6	550	1

Content
- **0714** 125, 150 mm
- **0715** 125 mm
- **0716** 3, 4 mm
- **0717** 4 mm

MATADOR Parallel Pin Punches PRO.
The next level of hardness and durability.

Extremely hard. Secure disassembly with highest precision.

With color system for quick recognition of the correct size.

More than meets the eye: Additional hardness.

Underneath their coating MATADOR parallel pin punches come out in their true colors.

Made from high-alloyed tool steel and entirely hardened they are especially suitable for continuous industrial use.

Through the tempered striking head and a hardness of around 59 HRC you can work with MATADOR parallel pin punches in application fields where standard parallel pin punches have long given up.
Test yourself!

Rounded edges for increased safety.

All edges of MATADOR parallel pin punches are rounded fully automatically. Splintering and burr at the tip are almost entirely avoided.

This does not only save the work piece but also minimizes the risk of injury for the user.
Even if the tools are overstressed they deform elastically and plastically. They do not suddenly break.

Improved surface.

Compared to many competitive products MATADOR parallel pin punches have a grinded, polished and chrome-plated surface.

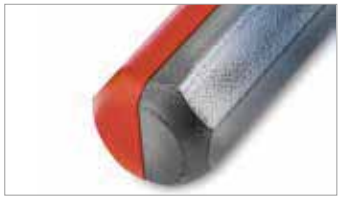
This results in a low surface roughness which has the following advantages:
- low susceptibility to corrosion
- parallel pin punches can hardly get jammed in the drill hole
- extended service life and elasticity
- hardly any predetermined breaking points as surface notches are evened out

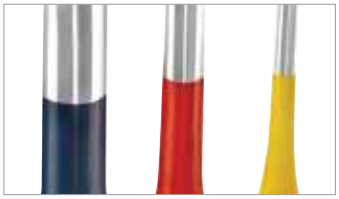
Why PRO?

All MATADOR striking tools are made of special air hardening steel that – after heating to 850 °C – hardens in still air.

The PRO series additionally has a tempered striking head and a chrome-plated and plastic powder coated surface. Thanks to color guidance system the different sizes can easily be recognized.

By the way, all parallel pin punches are produced with minus tolerances and thus jamming in the drill hole is avoided.





Parallel Pin Punches PRO

- All important parallel pin punches PRO in in practical folding metal box
- With ground and polished surface
- With rounded edges
- Through-hardened cutting edge

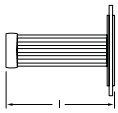
- Standard: DIN 6450 Form B / D
- Material: Special air hardening steel air hardening steel
- Surface: Color powder coated

Art. Code		g	
0718 9560	6	1500	1

Content **0718** 3 - 4 - 5 - 6 - 8 - 10 mm

Hand protecting grip

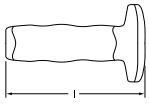
- Hand protecting grip
- For flat profiles and 8 point material



Art. Code	mm	mm	l mm	g	
0714 0995	20x12 - 26x13	16 - 20	110	105	5

Hand protecting grip

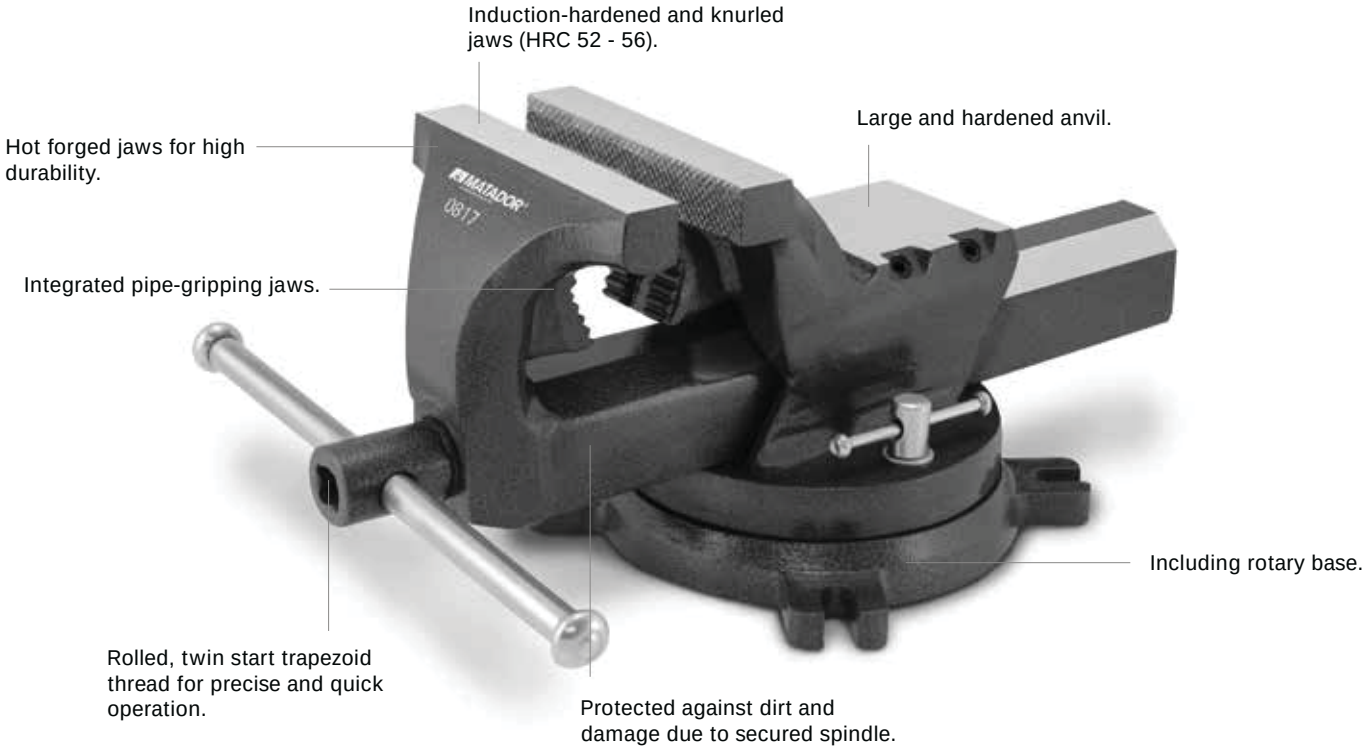
- Hand protecting grip for 8 point material
- With ergonomic 2-component handle



Art. Code	mm	l mm	g	
0716 0995	10	75	15	1
0716 0996	14	95	50	1
0716 0997	18	95	50	1

The MATADOR bench vice. A real classic.

Drop-forged steel and precisely machined.




With intergated pipe-gripping jaws.

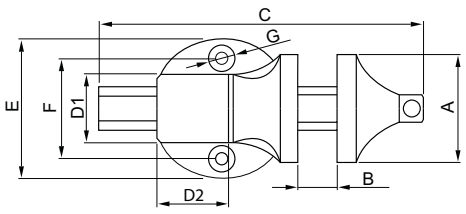

Adjustable spindle guides for backlash-free operation.

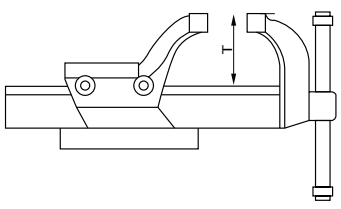

Rotary base easy to fix and remove.


Steel arm easy to remove.

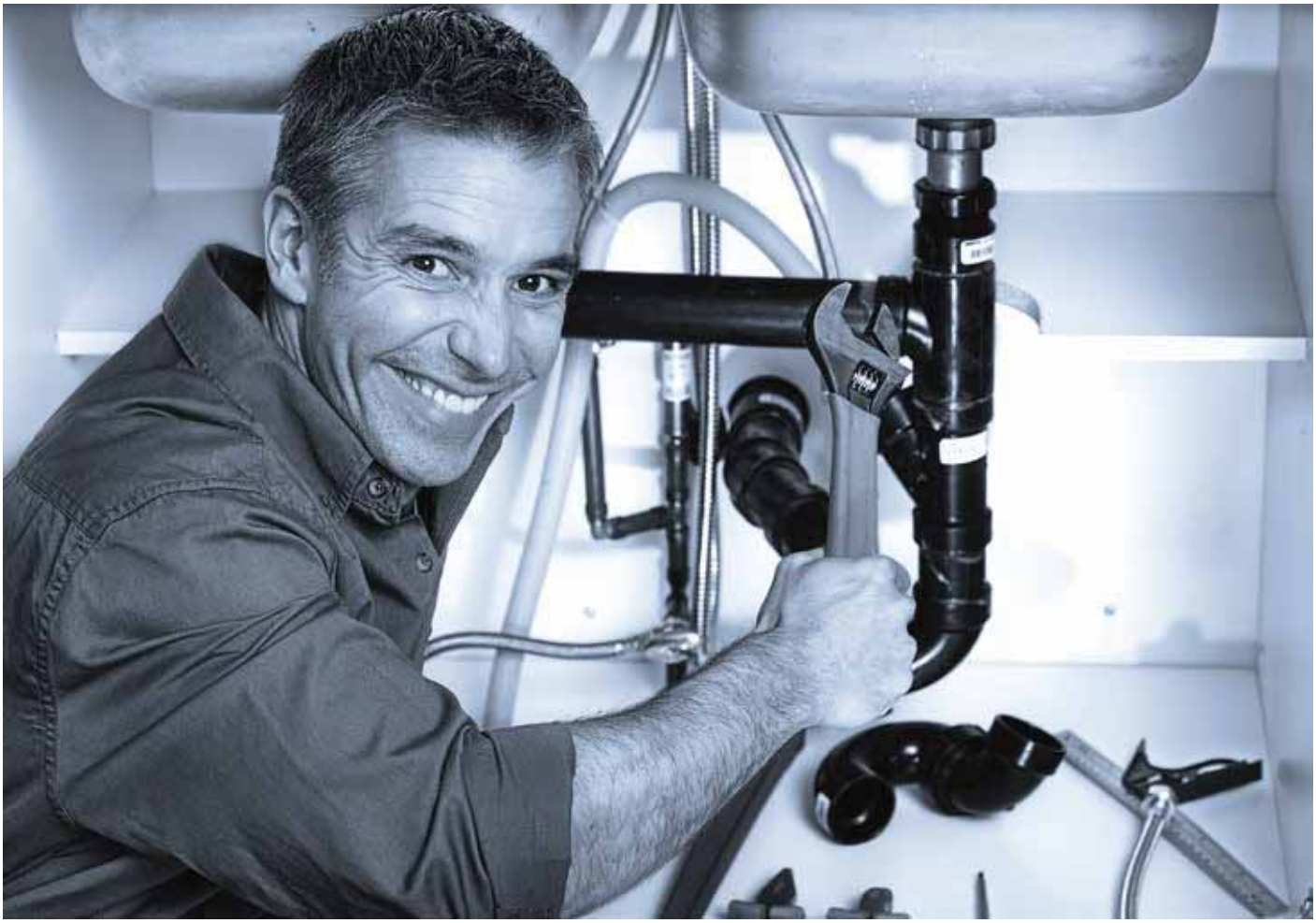
Parallel Bench Vice, forged

- Forged from high-quality steel and completely hardened for long durability
- Induction-hardened and knurled jaws
- Large and hardened anvil
- CNC machined and induction-hardened sliding surface
- Trapezoidal double pitch screw for quick and easy usage
- Integrated pipe-gripping jaws
- Material: Heat treated steel
- Surface: Black varnished





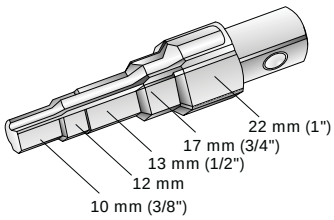
Art. Code	A mm	C mm	B mm	T mm	E mm	F mm	G mm	D1 x D2 mm	kg	
0817 0100	100	350	105	60	122	89	10,5	60 x 64	6,4	1
0817 0125	125	385	130	75	150	108	14,0	72 x 72	11,6	1
0817 0150	150	490	160	95	180	139	16,5	96 x 90	21,0	1



Combination stepped key

– For the installation and removal of radiator valves, runback screwed unions 3/8“ - 1“ and short tap extensions

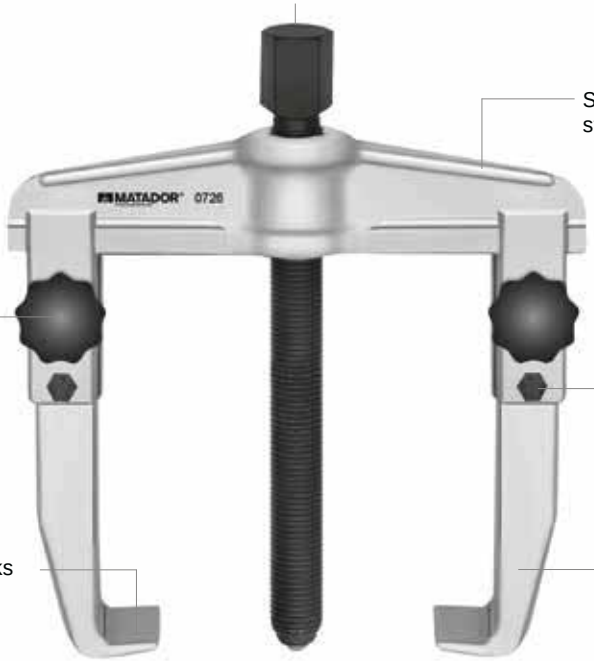
– With pin, hexagon and bi-hexagon nut drive



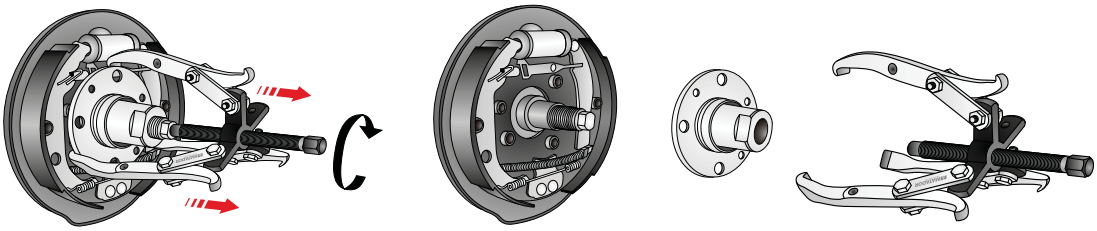
Art. Code	mm	"		g	
2000 0001	12,5	1/2		135	1
2000 0002	12,5	1/2	1/2"- Adaptor for combination stepped key	118	7

The MATADOR pullers.

Solid quality, tried and tested.



The basics of right pulling:



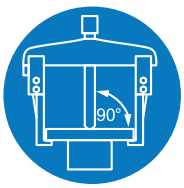
Check the condition of your tools at regular intervals and replace any damaged or worn parts.

Keep the threads of all spindles and heads clean and well oiled.

Before you start work, acquaint yourself with the proper use of the tool and pay attention to pertinent safety measures.

If anything at all is unclear pls. call the MATADOR helpline.

Prior to starting work make sure that the pulling tool is in good condition.



Double-check the tool for correct mounting and monitor the forces incidental to the pulling process.

Never violate the maximum load data prescribed for the tool and use a torque wrench to keep tabs on the applied forces

Always wear suitable personal protective equipment and safety glasses.

Never use extensions to increase the applied torque.

Never alter a pulling tool or related product in any way.

Overview.

All pullers at a glance.

Pullers, 2 arms.

Standard Pullers:

Art. Code	mm	mm	mm
0722 0002	20 - 150	160	--

Art. Code	mm	mm	mm
0724 0001	20 - 150	85	--
0724 0002	40 - 220	130	--

Universal Pullers:

Art. Code	mm	mm	mm
0726 0001	20 - 90	100	70 - 130
0726 0002	25 - 130	100	80 - 180
0726 0003	50 - 160	150	105 - 220
0726 0004	60 - 200	150	120 - 270
0726 0005	80 - 250	200	160 - 330
0726 0006	80 - 350	200	160 - 420

Universal Pullers with Krallex hooks:

Art. Code	mm	mm	mm
0726 0010	20 - 90	100	--
0726 0011	25 - 130	100	--
0726 0012	50 - 160	150	--
0726 0013	60 - 200	150	--

Universal Pullers, Krallex, 6 legs:

Art. Code	mm	mm	mm
0726 0050	25 - 130	100, 200, 250	--

Pullers, 3 arms.

Art. Code	mm	mm	mm
0723 0002	20 - 150	160	--

Art. Code	mm	mm	mm
0725 0001	20 - 150	85	--
0725 0002	40 - 220	130	--

Heavy Duty:

Art. Code	mm	mm	mm
0725 0010	50 - 300	250	--
0725 0011	50 - 400	400	--

Art. Code	mm	mm	mm
0725 0021	25 - 130	100	70 - 130

Art. Code	mm	mm	mm
0725 0031	25 - 130	100	--

Special pullers.

Battery Terminal Pullers:

Art. Code	mm	mm	mm
0728 0001	50	40	--
0728 0002	70	65	--

Ball Joint Pullers:

Art. Code	mm	mm	mm
0729 0001	18	40	40
0729 0002	25	50	50
0729 0003	29	60	60
0729 0004	40	80	80

Universal Ball Joint Pullers:

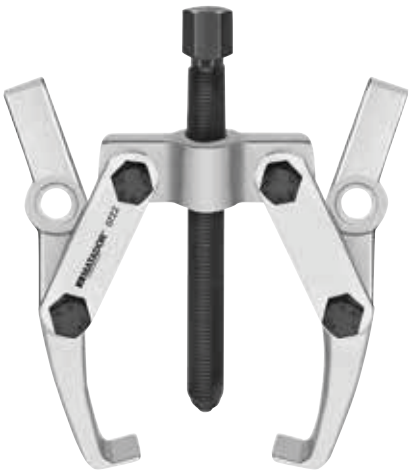
Art. Code	mm	mm	mm
0731 0001	18 - 22	50	--

Art. Code	mm	mm	mm
0731 0002	24	50	--

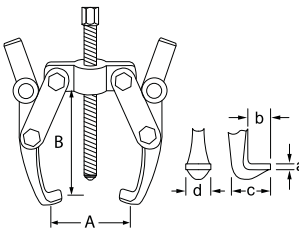
Art. Code	mm	mm	mm
0731 0009	36	90	--

Art. Code	mm	mm	mm
0731 0010	45	115	--

Pullers, 2 arms



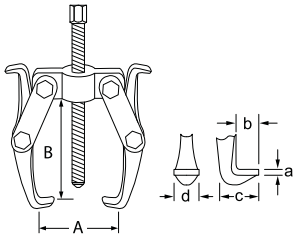
- For internal pulling
- Arms in 2 lengths for different applications
- Puller legs to be used on both sides: one side with wide, the other side with narrow hooks
- Surface: Zinc plated



Art. Code	A mm	B mm	N·m	t	Spindles thread x length	Legs a mm	b mm	c mm	d mm	kg	
0722 0002	20 - 150	160	80	4,0	M14 x 1,5 x 150	16	2 / 2	7 / 7	17 / 17	10 / 18	1,1	1

Pullers, 2 arms

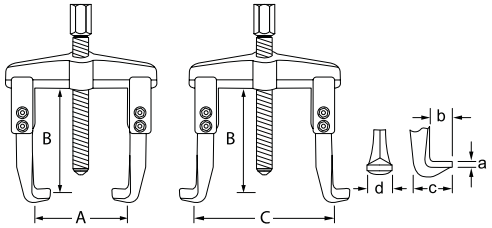
- For internal pulling
- Heavy-duty pattern
- Interchangeable arms to be used on both sides: one side with wide, the other side with narrow hooks
- Surface: Zinc plated



Art. Code	A mm	B mm	N·m	t	Spindles thread x length	Legs a mm	b mm	c mm	d mm	kg	
0724 0001	20 - 150	85	50	3,5	M14 x 1,5 x 130	17	2 / 2	9 /11	21 / 22	12 / 17	0,9	1
0724 0002	40 - 220	130	60	4,0	M18 x 1,5 x 240	19	4 / 4	11 / 11	25 / 27	2 1/ 27	2,2	1

Universal Pullers, 2 arms

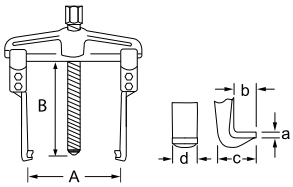
- For internal and external pulling
- Interchangeable arms to be used on both sides: one side with wide, the other side with narrow hooks
- Adjustable height for many applications
- With slim hook for confined spaces
- Surface: Zinc plated



Art. Code	A mm	B mm	C mm	N·m	t	Spindles thread x length	Legs a mm	b mm	c mm	d mm	kg	
0726 0001	20 - 90	100	70 - 130	80	4,5	M14 x 1,5 x 130	17	3	13	25	20	1,0	1
0726 0002	25 - 130	100	80 - 180	80	4,5	M14 x 1,5 x 130	17	3	13	25	20	1,2	1
0726 0003	50 - 160	150	105 - 220	150	6,5	G 1/2“ x 14Gg x 210	22	4	16	35	25	3,0	1
0726 0004	60 - 200	150	120 - 270	150	6,5	G 1/2“ x 14Gg x 210	22	4	16	35	25	3,3	1
0726 0005	80 - 250	200	160 - 330	320	11	G 3/4“ x 14Gg x 280	27	5	25	54	35	7,4	1
0726 0006	80 - 350	200	160 - 420	320	11	G 3/4“ x 14Gg x 280	27	5	25	54	35	8,5	1

Universal Pullers, 2 arms, Krallex

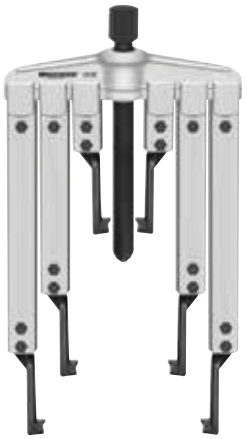
- For internal and external pulling
- With extra slim „Krallex“ hooks for confined spaces
- Surface: Zinc plated

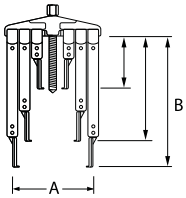


			max. torque	max. capacity	Spindles thread x length	Legs a	b	c	d		
Art. Code	A mm	B mm	N·m	t	mm	mm	mm	mm	mm	mm	kg	
0726 0013	60 - 200	150	150	6,5	G1/2" x 14 Gg. x 210	22	5	8	17	40	3,3	1

Universal Pullers, 2 arms, Krallex, 6 legs

- 3 pullers in 1
- For internal and external pulling
- With extra slim „Krallex“ hooks for confined spaces
- 3 differents heights for many applications
- Surface: Zinc plated

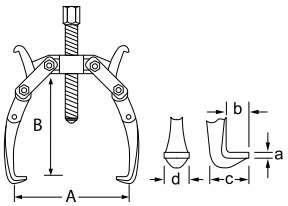




			Legs a	b	c	d		
Art. Code	A mm	B mm	mm	mm	mm	mm	mm	kg	
0726 0050	25 - 130	100, 200, 250	17	3,6	6	13	27	3,2	1
0726 0051	Spare hooks								
0726 0052	Spare spindle								

Pullers, 3 arms

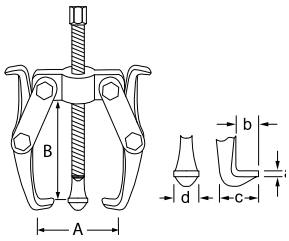
- For internal pulling
- Can be used a 2-arm or 3-arm puller
- Arms in 2 lengths for different applications
- Puller legs to be used on both sides: one side with wide, the other side with narrow hooks
- Surface: Zinc plated



Art. Code	A mm	B mm	max. torque N·m	max. capacity t	Spindles thread x length mm	Legs a mm	b mm	c mm	d mm	kg	
0723 0002	20 - 150	160	80	4,0	M14 x 1,5 x 150	16	2 / 2	7 / 7	17 / 17	10 / 18	1,7	1

Pullers, 3 arms

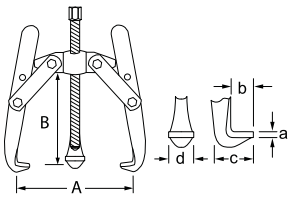
- For internal pulling
- Heavy-duty pattern
- Interchangeable arms to be used on both sides: one side with wide, the other side with narrow hooks
- Surface: Zinc plated



Art. Code	A mm	B mm	max. torque N·m	max. capacity t	Spindles thread x length mm	Legs a mm	b mm	c mm	d mm	kg	
0725 0001	20 - 150	85	60	4,0	M14 x 1,5 x 130	17	2 / 2	9 / 11	21 / 22	12 / 17	1,2	1
0725 0002	40 - 220	130	70	4,5	M18 x 1,5 x 240	19	4 / 4	11 / 11	25 / 27	21 / 27	2,9	1

Pullers, 3 arms, heavy duty

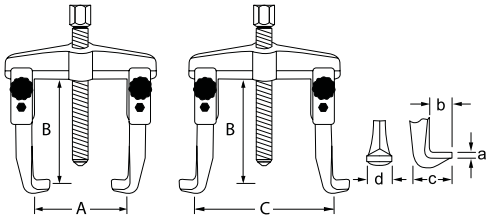
- For internal pulling
- Heavy-duty pattern
- High capacity
- Interchangeable arms to be used on both sides: one side with wide, the other side with narrow hooks
- Surface: Zinc plated



Art. Code	A mm	B mm	max. torque N·m	max. capacity t	Spindles thread x length mm	Legs a mm	b mm	c mm	d mm	kg	
0725 0010	50 - 300	250	220	12	G1/2" x 14Gg. x 270	22	5	25	48	30	7,3	1
0725 0011	50 - 400	400	220	12	G1/2" x 14Gg. x 270	22	5	25	48	30	8,8	1

Universal Pullers, 3 arms

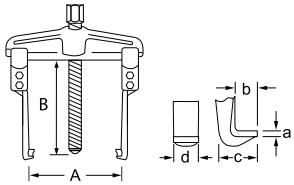
- For internal and external pulling
- Interchangeable arms to be used on both sides: one side with wide, the other side with narrow hooks
- Adjustable height for many applications
- With slim hook for confined spaces
- Surface: Zinc plated



Art. Code	A mm	B mm	C mm	max. torque N·m	max. capacity t	Spindles thread x length mm	Legs a mm	b mm	c mm	d mm	kg	
0725 0021	25 - 130	100	70 - 130	80	4,5	M14 x 1,5 x 130	17	3	13	25	20	1,0	1

Universal Pullers, 3 arms, Krallex

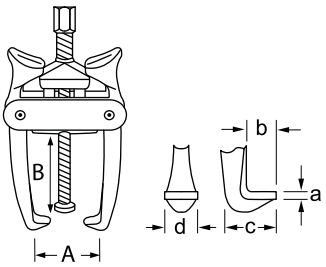
- For internal and external pulling
- With extra slim „Krallex“ hooks for confined spaces
- Surface: Zinc plated



Art. Code	A mm	B mm	C mm	max. torque N·m	max. capacity t	Spindles thread x length mm	Legs a mm	b mm	c mm	d mm	kg	
0725 0031	25 - 130	100	80 - 180	80	4,5	M14 x 1,5 x 130	17	3	13	25	20	1,2	1
0725 0530		100				Hooks for 0725 0031						0,5	1

Battery Terminal Pullers, 2 legs

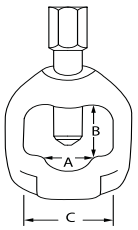
– For pulling off battery terminals, ball bearings
– Surface: Zinc plated



Art. Code	A mm	B mm	Spindles thread x length	Legs a mm	b mm	c mm	d mm	g	
0728 0001	10 - 50	45	84 x M8	10	2	7	12	10	190	1
0728 0002	10 - 70	65	105 x M10	12	2	8	14	13	300	1

Ball Joint Puller

– For removal of ball pivots on tie-rods and stabilizers
– Wide clamping range due to infinite variability
– Surface: Zinc plated

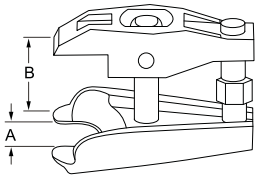


A = Jaw opening / B = max. clear height

Art. Code	A mm	B mm	C mm	max. torque N·m	Spindles thread x length mm	mm	kg	
0729 0001	18	40	40	50	M14 x 1,5 x 60	17	0,3	1
0729 0002	25	50	50	120	M16 x 1,5 x 60	17	0,7	1
0729 0003	29	60	60	160	M18 x 1,5 x 75	19	1,0	1
0729 0004	40	80	80	280	G 1/2“ x 14Gg x 110	22	2,1	1

Universal Ball Joint Puller

– For passenger cars and trucks
– For removal of ball pivots on tie-rods and stabilizers
– Max. capacity up to 50 mm by reversing the bottom part
– Surface: Zinc plated

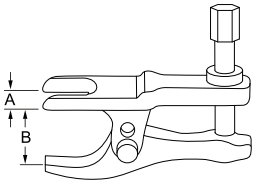


A = Jaw opening / B = max. clear height

Art. Code	A mm	B mm	max. torque N·m	max. capacity t	Pin mm	Spindles thread x length mm	pressure spindle thread x length mm	mm	kg	
0731 0001	18 - 22	max. 50	70	3,5	8	M14 x 1,5 x 48	M14 x 1,5 x 35	19	0,9	1

Universal Ball Joint Puller

– For passenger cars and trucks
– For removal of ball pivots on tie-rods and stabilizers
– Max. capacity up to 50 mm by reversing the bottom part
– Surface: Zinc plated

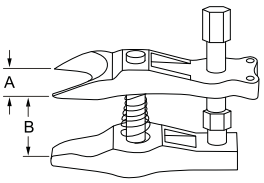


A = Jaw opening / B = max. clear height

Art. Code	A mm	B mm	max. torque N·m	max. capacity t	Spindles thread x length mm	mm	kg	
0731 0002	24	max. 50	40	3,5	M16 x 1,5 x 70	17	1,4	1

Universal Ball Joint Puller (trucks)

– For trucks up to 17 tons
– For removal of ball pivots on tie-rods and stabilizers
– Max. capacity up to 90 mm by reversing the bottom part
– Surface: Zinc plated

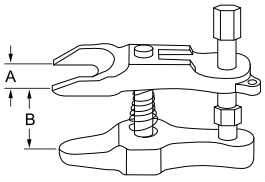


A = Jaw opening / B = max. clear height

Art. Code	A mm	B mm	max. torque N·m	max. capacity t	Spindles thread x length mm	pressure spindle thread x length mm	mm	kg	
0731 0009	36	max. 90	200	10	M18 x 1,5 x 120	G1/2" x 14Gg. x 110	22	3,7	1

Universal Ball Joint Puller (trucks)

– For trucks >18 tons
– For removal of ball pivots on tie-rods and stabilizers
– Max. capacity up to 115 mm by reversing the bottom part
– Surface: Zinc plated

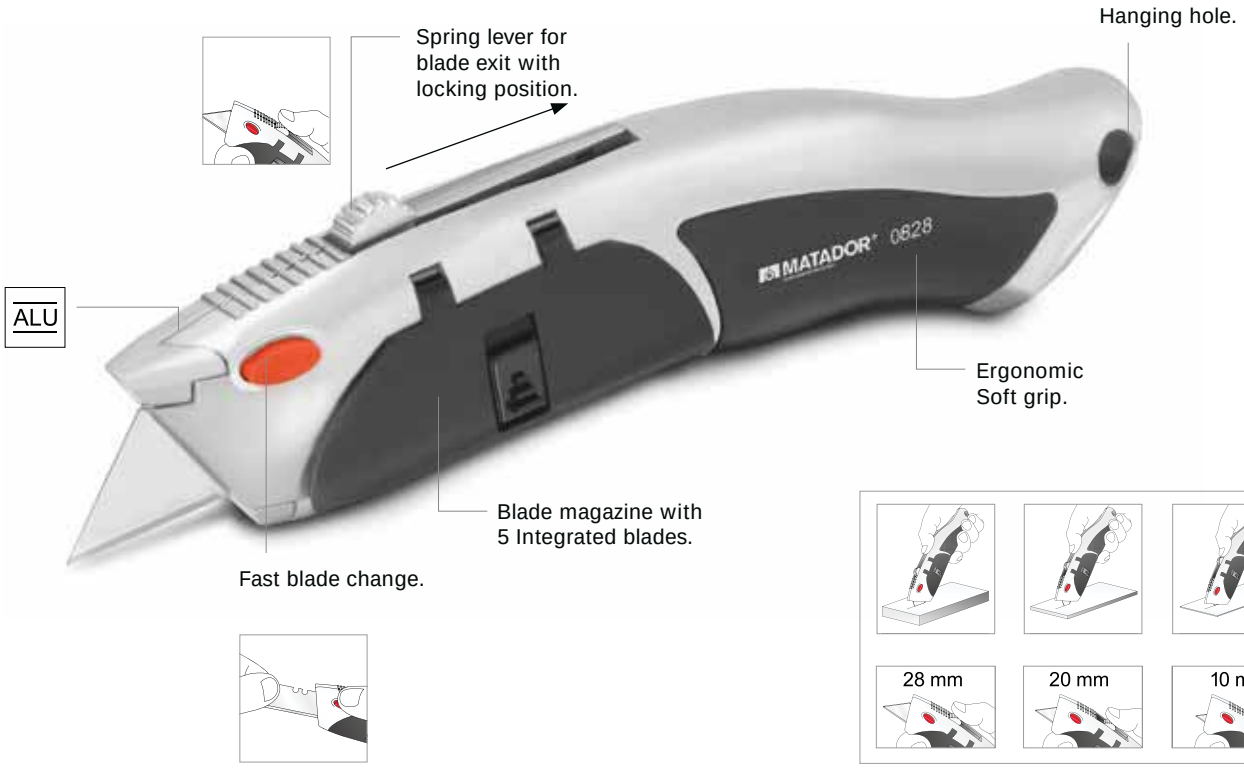


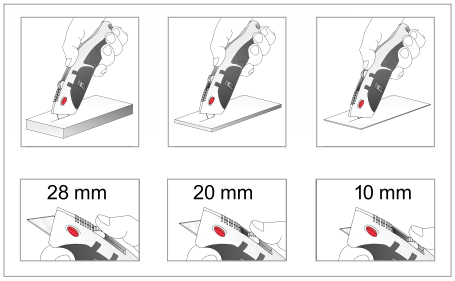
A = Jaw opening / B = max. clear height

Art. Code	A mm	B mm	max. torque N·m	max. capacity t	Spindles thread x length mm	pressure spindle thread x length mm	mm	kg	
0731 0010	45	max. 115	200	20	M24 x 1,5 x 150	G3/4" x 14Gg. x 125	27	6,4	1

Cutting soft materials. For example with the MATADOR universal knife.

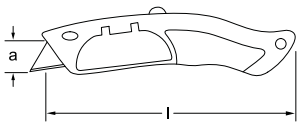
For a clean cut.





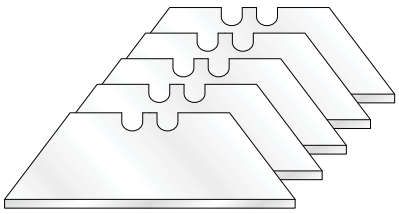
Universal knife PRO

- Universal knife for 18 mm blades
- Aluminum die-cast housing with non-slip grip
- Heavy duty version
- With safety blade and automatic blade feed
- Blade pushed out to 20 mm
- Includes 10 replacement blades in the magazine

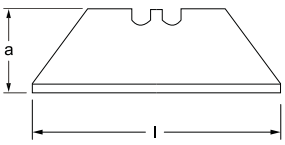


Art. Code	l mm	a mm	g	
0828 0001	170	18	200	5

Spare blades



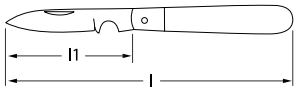
- 10 spare blades
- Chrome-alloyed steel



Art. Code	l mm	a mm	g	
0828 0002	62	18	20	5

Cable Knife with wooden handle

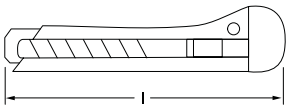
- The classic cable diameter for each tool assortment
- Blade folds away
- With straight, hardened blade
- With round cable scraper
- Moulded handle made out of wood
- Material: Stainless steel



Art. Code	l mm	l1 mm	g	
0825 0001	200	90	85	10

Universal knive ALU

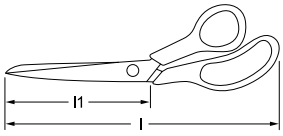
- For right handed use
- With reinforcement eyelet
- Blade 18 x 100 mm
- With 0,5 mm strong snap off blades
- Blade guide out of metal
- Housing made out of aluminium



Art. Code	l mm	g	
0827 0001	140	89	5

Household Scissors

- For many applications
- Re-adjustable screw-joint



Art. Code	l mm	l1 mm	g	
0743 0001	205	65	80	6

▶ 251

▶ 218

▶ 220

Cutting hard materials.
Snips and tin snips.
For a clean cut.

What does it mean: left or right cutting?

Snips are suitable to cut thin and not too tough steel plates. Hand snips are forged in one piece. However leverage snips consist of forged head and one handle made of high strength steel.

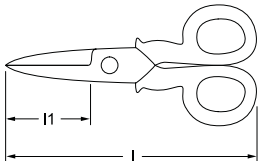
Matador's snips 745 and 747 are designed and sharpened with variable cutting edges depends on the radius:

Left cutting snips are designed for cutting radii from right to left.

Right cutting snips are designed for cutting radii from left to right.

Telephone and Cable Scissors

- With serrated cutting edges
- With wire cutter
- Re-adjustable screw-joint
- Straight cutting edges, polished jaw
- Made of high quality steel

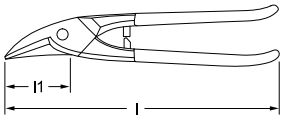


Art. Code	l mm	l1 mm	g	
0744 0001	140	50	115	6

Dulf Ideal Tin Snips

- For short, straight and figure cuts, large radius
- Cutting edges induction hardened
- Temper of cutting-edges 57 - 59° HRC
- Re-adjustable screw-joint

- Material: Tool steel, drop-forged
- Execution: Oil-hardened



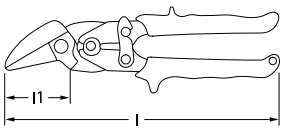
Art. Code		Fe mm	VA mm	l mm	l "	l1 mm	g	
0745 0001	R	1,5	1,0	250	9.3/4	42	540	6
0745 0002	L	1,5	1,0	250	9.3/4	42	540	6

Lever-assisted Tin Snips for optimum results.

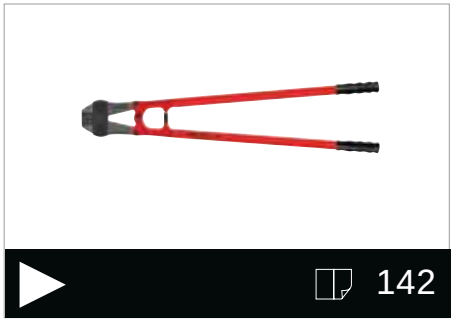
Cuts through sheet steel so easily.

Ideal Lever Tin Snips

- For short, straight and figure cuts with large radius
- Micro-serrated cutting edge, prevents slipping off during cutting
- Cutting edge hardness 60 - 62 HRC
- Special cutting geometry and precision cutting for a clean cut without any burrs
- With selfopening spring with lock
- With optimum leverage for easy and effortless work
- Re-adjustable screw-joint
- Ergonomically designed multi-component safety handle for better handling
- Handles made of solid rolled steel
- Made of tool steel, forged, oil-hardened



		Fe	VA					
Art. Code		mm	mm	l mm	l "	l1 mm	g	
0747 0001	R	1,8	1,2	250	9.3/4	30	515	6
0747 0002	L	1,8	1,2	250	9.3/4	30	515	6

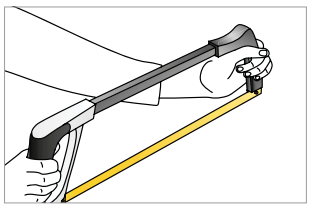

142


121

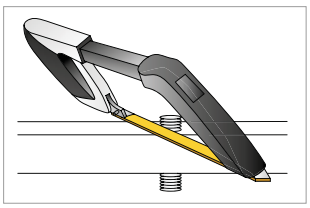

220

If cutting does not help: Sawing.

For an accurate, burr-free sawing.



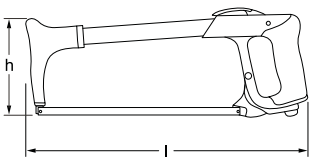
Ideal for two-hands operation



Alternative 55°-blade alignment for a flush sawing of pins etc.

Hacksaw

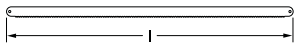
- High blade tension of 100 kg for straight, clean cuts with precise joints.
- Lightweight aluminum frame with steel core for easy handling
- Alternative blade tension at 55 ° for flush cutting.
- In the grip integrated clamping mechanism HSS DMo5



Art. Code	l mm	h mm	g	
0786 0002	440	140	750	5

High performance saw blades HSS DMo5

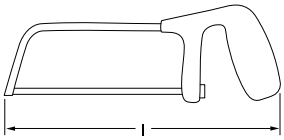
- From High Speed Steel with Surface special treatment (steam tempered)
- For cutting of metals and alloys to 800N/mm², dental hard
- 24 teeth per inch, for excellent cutting results
- Combines high performance with security breach
- Material: Bi-metal HSS DMo5



Art. Code	l mm	l "	g	
0786 0003	300	12	20	10

Hacksaw

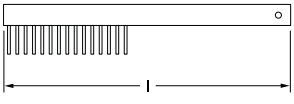
- Stable, fixed straight blade
- Hardened stainless steel blade in oil and annealed
- Impact resistant handle with slip
- With Cap
- VDE tested according to DIN EN / IEC 60900:2004



Art. Code		l mm	g	
0787 0704		250	170	5
0787 0003	Blade	150	12	1

Steel wire brush

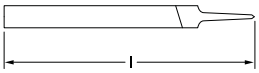
- Bent type
- With wooden handle
- Wire fill
- With 5 rows, wood



Art. Code	l mm	g	
0782 0001	290 x 40	150	5

Engineers´ Files

- Second cut
- Ergonomic plastic handle
- Standard: DIN 7261 A-F / ISO R 234



Art. Code		Execution	l mm	l "	g	
0775 0001	▬	Flat	150	6	100	5
0775 0010	▬	Flat	200	8	185	5
0776 0001	▬	Flat	250	10	350	5
0775 0002	▲	Threesquare	150	6	100	5
0775 0011	▲	Threesquare	200	8	195	5
0776 0002	▲	Threesquare	250	10	340	5
0775 0003	●	Round	150	6	70	5
0775 0012	●	Round	200	8	105	5
0776 0003	●	Round	250	10	190	5
0775 0004	■	Square	150	6	60	5
0775 0013	■	Square	200	8	125	5
0776 0004	■	Square	250	10	240	5
0775 0005	◗	Halfround	150	6	80	5
0775 0014	◗	Halfround	200	8	165	5
0776 0005	◗	Halfround	250	10	300	5

Engineers´ Files

- Second cut
- In plastic wallet
- Standard: DIN 7261 A-F / ISO R 234

Art. Code		g	
0778 0002	5	750	1

Content
- **0775** 200 mm
- **0775** 200 mm
- **0775** 200 mm
- **0775** 200 mm
- **0775** 200 mm

Set of Warding Files

– Second cut
– In plastic wallet

– Standard: DIN 7283 A-F

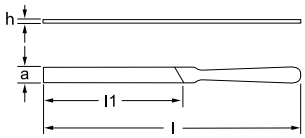
Art. Code		g	
0779 0001	6	660	1

Content
0779 150 mm
0779 150 mm
0779 150 mm
0779 150 mm
0779 150 mm
0779 150 mm

Set of Contact Files

– For spark plugs
– In plastic wallet

– Material: Special steel



Art. Code		l mm	l1 mm	a mm	h mm	g	
0780 0001	6	150	81	8	1	70	5

MATADOR Scraper. Extremely sharp.

At the disposal of residues on smooth Surfaces.

What are scraper?

A scraper is a tool with minimum one cutting edge to scrape.

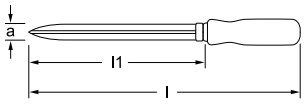
Scrapers are used to smooth metal surfaces in hundredths of a millimetre in the metal sector. The most common form is the triangular and blunt scraper.

Gasket scraper used for disposal of residues on cylinder heads, valve covers and flat scrapers.

Glass scraper consists of extreme sharp blades. They are useful to remove labels, adhesive residues on surfaces of glass without causing scratches.

Three-Edged Hollow Ground Scraper

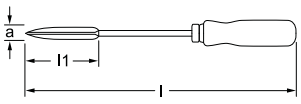
- Working ends polished
- Flanged blade made of Chrome Vanadium steel
- With lacquered wooden handle
- Standard: DIN 8350 Form B
- Material: Chrome Vanadium



Art. Code	l mm	l "	l1 mm	l1 "	a mm	g	
0788 0001	260	10	150	6	16	130	5
0788 0002	310	12	200	8	16	190	5
0788 0003	380	15	250	10	16	250	5

Curved Bearing Scraper

- Working ends polished
- Flanged blade made of Chrome Vanadium steel
- With lacquered wooden handle

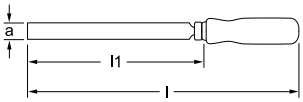


Art. Code	l mm	l "	l1 mm	l1 "	a mm	g	
0789 0001	260	10	150	6	16	100	5

Flat scraper

- Working ends polished
- Flanged blade made of Chrome Vanadium steel
- With lacquered wooden handle

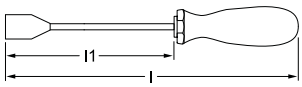
- Standard: DIN 8350 Form A
- Material: Chrome Vanadium



Art. Code	l mm	l "	l1 mm	l1 "	a mm	g	
0790 0001	270	10	150	6	20	160	5
0790 0002	330	12	200	8	22	230	5
0790 0003	380	15	250	10	25	320	5

Gasket scraper

- For removal of waste on washers and gaskets
- Long type
- Working ends polished
- With impact resistant plastic handle

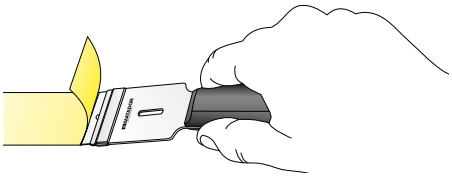


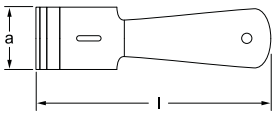
Art. Code	l mm	l "	l1 mm	l1 "	g	
0840 0001	250	10	150	6	110	5

Multi Purpose / Glass Scraper

- Heavy-duty scraper with extremely sharp blade
- For unsticking labels, cleaning glasses and other smooth materials
- No scratches on glass

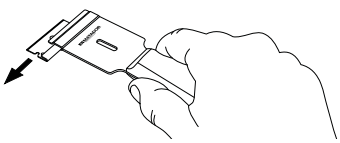
- With strong extra-wide grip to prevent sore hands
- With hanging hole
- Blade with red edge protector

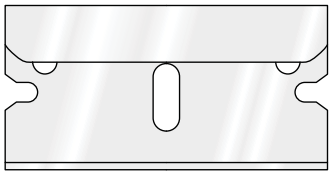




Art. Code	l mm	a mm	g	
0841 0001	120	39	30	5

- Spare blades (10 pcs)





Art. Code	h mm	l mm	b mm	g	
0841 0095	0,30	39	19,33	5	1

Everything for thread repair.

Drill. Cut. Sink.

Twist drill assortment

- Assortment with 19 high-performance twist drills
- For alloyed and unalloyed steel up to 900 N/mm2, aluminum etc.
- Right hand cutting
- From Ø 3.0 mm split point according to DIN 1412 C
- Spiral angle: 20 - 30 °
- Tolerance on Ø: h8
- Standard: DIN 338

Art. Code		g	
0762 9191	19 HSS-G	673	1
	0762 Ø 1,0 – 10,0 mm x 0,5 mm increasing		

Step drill assortment

- 3-piece step drill set in sturdy plastic case
- Straight fluted
- 4-12mm, (drilling steps 1mm increasing)
- 4-20mm and 6-30mm, (drilling steps 2mm increasing)
- For burr-free drilling and driving of sheet metal, tubes and profiles

Art. Code		g	
0767 0001	3 HSS	155	1
	0767 Ø 4-12 - 4-20 - 6-30 mm		

Countersink assortment

- Assortment with 6 powerful countersinks in sturdy plastic case
- Right hand cutting
- Ø 6,3 - 20,5 mm, with 90° countersinking angle
- For countersinking and deburring with three cutting edges
- Standard: DIN 335

Art. Code		g	
0767 0002	6 HSS	155	1
	0767 Ø 6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5 mm		

3in1 - Tap Set HSS

HSS 7

- 7 piece assortment
- From M3-M10 in sturdy plastic case
- For core drilling, thread cutting and deburring
- 1/4“ hexagonal shank
- With right and left hand rotation

- Material: HSS
- Standard: DIN 3126

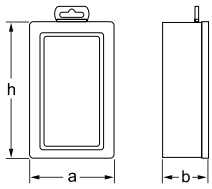
Art. Code		a mm	h mm	b mm	g	
0768 0001 7 HSS		70	90	30	130	1
Content	**0768** M3 - M4 - M5 - M6 - M8 - M10					

Hand Taps HSS

HSS 15

- Universal set of hand taps M3 - M12
- With core drills
- In a robust plastic case

- Material: HSS
- Standard: DIN 352



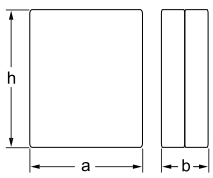
Art. Code		a mm	h mm	b mm	g	
0763 9150 15 HSS		115	170	40	620	1
Content	**0762** M3 - M4 - M5 - M6 - M8 - M10 - M12					
	0762 2,5 - 3,3 - 4,2 - 5,0 - 6,8 - 8,5 - 10,2 Ø					
	0763 1.1/2					

Set of circular dies HSS

HSS 8

- Dies in front slotted (closed) execution
- Suitable for general use e.g. in steel up to 900N/mm²
- Ø-tolerances: 2A, 6g
- In robust plastic case

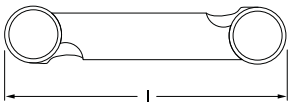
- Material: HSS
- Standard: DIN 338



Art. Code		a mm	h mm	b mm	g	
0765 9080 8 HSS		100	145	40	435	1
Content	**0765** M3 - M4 - M5 - M6 - M8 - M10 - M12 Ø 25 mm					
	0765 25 x 9					

Thread Gauges

- For metric and Whitworth threads
- For checking inside and outside radius

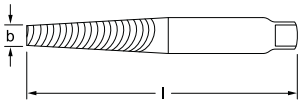


Art. Code		mm	g	
0764 0001	M	0,25 – 6,00	40	10
0764 0003	M + W	0,25 – 6,00 + 4 – 62	75	10

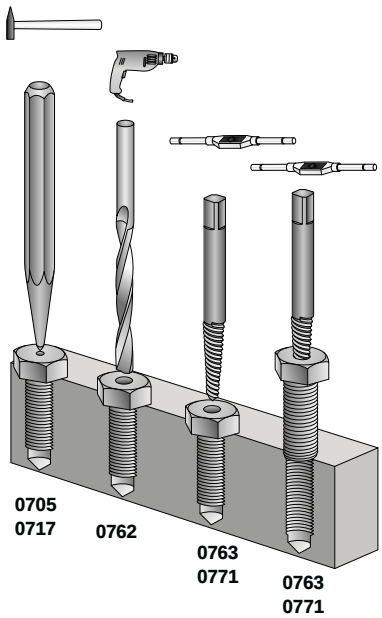
Screw Extractor Sets

- For extracting broken screws with right-hand thread and broken-off tube ends of fittings
- With milled groove design and optimized geometry and thread length, gives rise to significant
- Reducing the Ausdrehkräfte
- Polished shank, rolled thread
- Set in plastic box

- Material: 59 CrMo4 hardened to 54 - 56 HRC
- Surface: black finished



	No.	1	2	3	4	5	6	7	8
	mm "	1,75 0,069	2,2 0,087	3,3 0,130	4,75 0,187	6,35 0,250	9,5 0,375	12,7 0,5	19 0,75
	mm "	3,6 5/32	5,0 3/16	6,5 1/4	8,8 21/64	11,0 7/16	15,0 19/32	19 3/4	25 1
	mm "	50 2	57 2.3/8	64 2.11/16	71 3	78 3.3/8	85 3.3/4	95 4.1/8	100 4.3/8
	mm "	M 3-6 1/8-1/4	M 6-8 1/4-5/16	M 8-11 5/16-7/16	M 11-14 7/16-9/16	M 14-18 9/16-3/4	M 18-24 3/4-1	M 24-33 1-1.3/8	M 33-50 1.3/8-2
	mm "	2,5 3/32	3 1/8	4,5 11/64	6 15/64	8 5/16	11 7/16	14 9/16	21 53/64



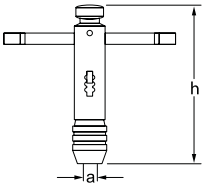
Art. Code		g	
0771 0001	5	150	1
	0771 M3 - M18, 1/8 - 3/4"		
0771 0002	6	160	1
	0771 M3 - M24, 1/8 - 1"		
0771 0003	8	800	1
	0771 M3 - M50, 1/8 - 1.3/4"		

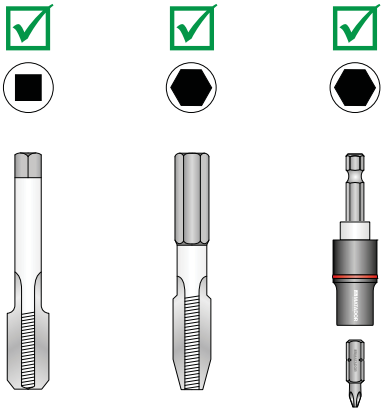
▶ 181

▶ 220

Tap wrenches

- Universal tool holder with ratchet and 2-jaw chuck
- For all tools with square or hexagonal shank (size 2)
- For taps, taps bits, bit holder with bits etc.
- With T-handle for comfortable working, adjustable and removable.
- With hardened parallel jaws, replaceable
- For Taps and Screw M5 - M12

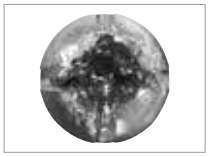




Art. Code	Clamping range mm	a mm	h mm	g	
0772 0001	2,4 - 5,5	M3 - M10	80	155	1
0772 0002	4,5 - 7,0	M5 - M12	100	330	1

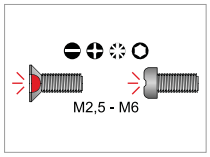
Screw-IT Screw Extractor

- Loosens nearly all damaged, unhardened and even rusty screws without thread repair tools
- For all threads from M2.5 - M6
- Simply drive the tip of the the MATADOR ScrewIT! into the screw head by using a hammer, then unscrew the screw

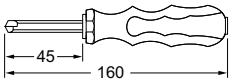


Perfect for damaged or rusted screw heads.

With impact cap for aimed release of hammer force



For all threads from M2.5 - M6.



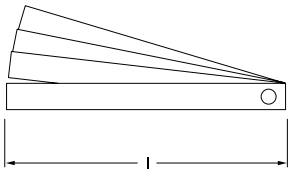
Screw IT!

Art. Code		a mm	g	
0770 0002	M2,5 - M6	160	116	1

Measuring tools.

Feeler Gauges

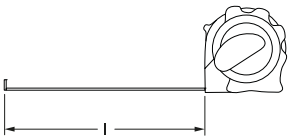
- Blades fold into metal case
- Blade length 100 mm
- 4” tapered blades
- Surface: Polished
- Material: Spring steel stripmaterial



Art. Code		l mm	g	
0760 0002	13	0,05 – 1,00	70	10
0760 0003	20	0,05 – 1,00	100	10
0760 0005	13	2 – 35 / 100	50	10
0760 0006	20	2 – 40 / 100	80	10

Measuring Tape

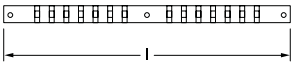
- Automatic tape rewinder with return stop
- Measuring tape vaulted
- With double scale and hook for precise inside and outside measurements
- Very solid



Art. Code	l m	g	
0798 0002	3	70	10
0798 0005	5	85	10

Rules, flexible

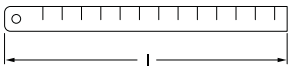
- Hardened steel
- Satin chrome finish
- Etched reading mm and 1/2 mm
- Double scale
- Material: Spring hardened steel



Art. Code	l mm	g	
0798 1030	300 x 15 x 0,5	20	10

Rules, non flexible

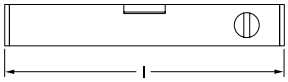
- Hardened steel
- Satin chrome finish
- Etched reading mm and 1/2 mm
- Double scale
- Material : Spring hardened steel



Art. Code	l mm	g	
0798 2030	300 x 30 x 1,0	25	5

Spirit Level

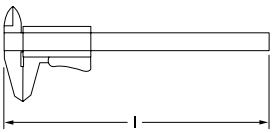
- With one horizontal and one vertical vial
- Solid acrylic block vials
- Accuracy of 0,5 mm/ metre = 0,028° in standard position
- Unbreakable, unadjustable, weather constant



Art. Code	l mm	g	
0798 9040	400	300	1

Precision Vernier Caliper

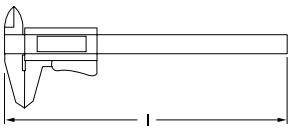
- For inside, outside and depth measuring
- Display 0.05 mm - 0.008”
- Accord. to DIN 862
- Matt chrome finish
- With raised slideways
- Vernier scale extended up to 39 mm
- Jaws 40 mm
- With thumb lock
- Material: Stainless steel



Art. Code	l mm	g	
0798 5015	150	110	1

Electronic Caliper

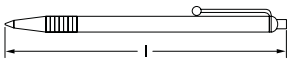
- For inside, outside, step and depth measuring (4 ways)
- Display and accuracy 0.01 mm -0.0005”
- Reversible from mm to inch
- With interface RS232C for data processing
- Accuracy according to DIN 862
- In plastic case
- Material: Stainless steel, hardened
- Surface: Matt chrome finish



Art. Code	l mm	g	
0798 5020	150	410	1

Hard Metal Marking Tool

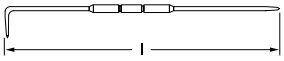
- Retractable for protection of the point and prevention of injuries
- Replaceable
- Secure hold of the point via chuck
- Shaft with clip and knurled grip area



Art. Code		l mm	g	
0799 0001	Standard-Type	140	15	10

Scriber

- With one straight and one angled screwed-in steel point
- Handle gun metal finish and knurled



Art. Code	l mm	g	
0799 1010	250	52	10

Knee pads

- Knee pads in universal size
- With one belt
- Protects your knees during work

Art. Code	g	
7125 0001	50	1

Micro fine woven gloves

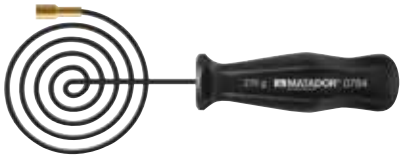
- According to CE / EN 420 / 388
- Very comfortable design and fit
- Especially breatheable fabric
- With PU reinforced gripping palm
- Ideal for working with small parts
- Silicone-free, also suitable for allergy sufferer
- 12 pair / box

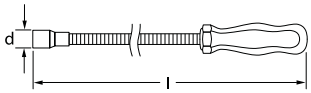
Art. Code			g	
7110 0001	L	8	10	1
7110 0002	XL	9	20	1
7110 0003	XXL	10	25	1

Pick-up tools.

Mini Magnetic Pick Up Tool

- Mini-Magnetic Pick Up Tool
- Flexible
- Diameter of magnet only 4 mm
- Perfect in household

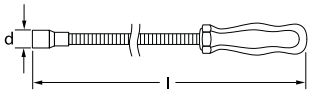




Art. Code	g	d mm	l mm	g	
0784 0004	270	4	400	22	1

Magnetic Pick Up Tools

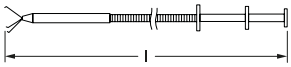
- With Neodym-magnet
- Very high capacity
- With flexible shaft



Art. Code	g	d mm	l mm	g	
0784 0005	500	8	460	60	1
0784 0001	1000	12	460	80	1
0784 0002	1800	15	520	220	1
0784 0003	3000	19	520	320	1

Gripping Tool with Claw

- With flexible shaft
- For gripping small pieces in otherwise inaccessible places
- Chrome plated

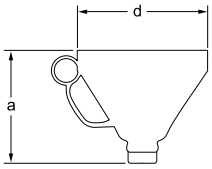


Art. Code	d mm	l mm	g	
0877 0001	7	540	115	1

Lubrication.

Hopper

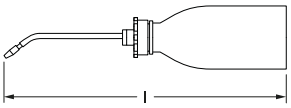
- Made of black plastic
- With strainer
- Flexible screw off tube



Art. Code	a mm	d mm	g	
0792 0001	120	160	150	1

Plastic Oiler

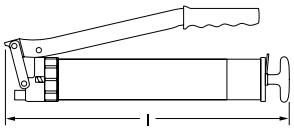
- With double-stroke pump
- Plastic



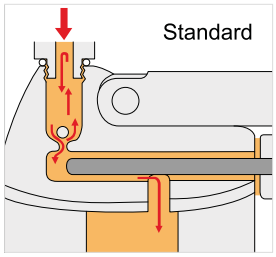
Art. Code	ccm	g	
0793 0001	300	200	5

Lever Grease Gun TWIN LOCK

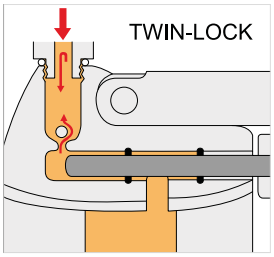
- With TWIN-LOCK system
- Aagainst dummy-lubrication (!), the life-insurance for every bearing point
- Grease gun according to DIN 1283 - for 400 g cartridge or 500 g bulk grease
- Robust industrial construction
- Connecting thread M10 x 1
- Complete with 4-jaw hydraulic coupler, angled spout, flexible hose



Art. Code		mm	ccm	g	
0794 0005	Set		500	1700	1
0794 0001	Lever Grease Gun		500	1500	1
0794 0002	Hydraulic Coupler			80	1
0794 0003	Angled Spout	150		30	10
0794 0004	Flexible Hose	12 x 300		120	10



Grease Gun without TWIN-LOCK system - at high backpressure the grease flows back into the barrel (dummy-lubrication)



Grease Gun withTWIN-LOCK system - 2 O-rings protect the precision made piston against abrasion and prevents the flow-back of grease into the barrel

Talc

- Highest purity
- Lubricant for all locks, hinges, bolts, etc.
- In the car, home and in the workshop

Art. Code	ml	g	
8174 0003	100	40	1

Graphite

- The perfect rubber care
- For tires, tubes, seals, cuffs, soft plastics, latex, etc.
- Sputtering and possibly rub slightly
- Protects against heat and aging-related bonding

Art. Code	ml	g	
8174 0004	100	50	1

Rust remover

- Highly effective flow and lubrication oil
- Removes rust and all other fixed compounds on screws, nuts, iron railings, lattice towers etc.
- Lubricates everything effectively
- Highly effective against squeaking and creaking noises
- Effective wear protection

Art. Code	ml	g	
8146 0001	500	500	1

Brake cleaner

- Cleans and degreases brakes and all other parts
- Ideal as an universal cleaner
- Evaporates without residue and dries quickly
- Cleans brake & clutch parts without dismant-ling, removes brake fluid, oil, dust etc. and helps maximize brake efficiency, even removes resinous deposits

Art. Code	ml	g	
8146 0002	500	500	1