78475 Tool tag sets

Design
Stamped aluminium, with hole and sequential numbering. Round, with knurled ring.

78475

Set numbered from - to	Thickness mm	Ø mm	Set = pieces	78475	...
1 - 10	1	27	10		101
11 - 20	1	27	10		102
21 - 30	1	27	10		103
31 - 40	1	27	10		104

Set numbered from - to	Thickness mm	Ø mm	Set = pieces	78475	...
41 - 50	1	27	10		105
51 - 60	1	27	10		106
61–70	1	27	10		107
Without no.	1	27	10		111

78480 - 78490 Sealing pliers

78480
Sealing pliers
Design
Nickel-plated, with elbow lever transmission and plastic-coated handles, without engraving.
Applications
For lead seals.

78485
Lead seals (cylinder seals).
Pack = 1000 units.
78490
Seal wire
Zinc-plated, 0.5 x 0.3 mm thickness, in 20 cm long pieces, **bundle approx. 1/2 kg (= 1000 pieces).**

78480

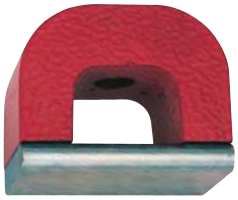
		Sealing pliers		Lead seals		Seal wire	
Seal Ø mm	Length mm	78480	...	78485	...	78490	...
8	125		101		201		
10	175		102		202		
-	-						101

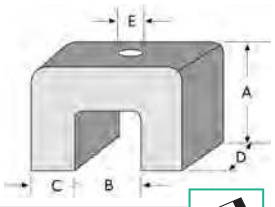
78605 Strong magnets

Design
Bridge-shaped magnet with high adhesive force and through-bore for mounting.
Applications
For holding, lifting, positioning and installation purposes.

Note:
Size 4 with 2 bores.

78605





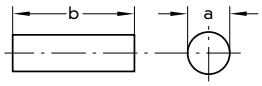
Size	A mm	B mm	C mm	D mm	E mm	Adhesive force N	Application temp. of magnet max.°C	Paint max. °C	78605	...
1	20.0	15.0	7.5	20.0	5.2	45	450	300		201
2	25.0	20.0	10.0	25.0	5.0	90	450	300		202
3	30.0	23.0	11.0	30.0	5.0	118	450	300		203
4	34.9	34.9	11.1	44.5	7.9	235	450	300		204

78606 Bar magnets

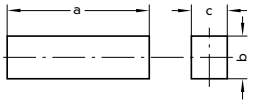
Design
Pack = 2 units.
Axial magnetised through the length. Cross-section/Ø: unmachined. Tolerances: Length +/- 0.1 mm, cross-section round +0/-0.2 mm, cross-section flat +/-0.2 mm.
Applications
By lining up individual magnets, bar magnets can be formed in any length.

78606 201-208
In pairs.

78606 201-203



78606 204-208

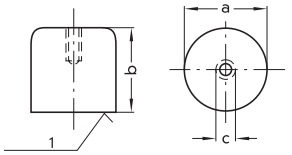


Size	Shape	a mm	b mm	c mm	Adhesive force N	Application temp. of magnet max.°C	Paint max. °C	78606	...
11	Round	6	20	-	4	450	300		201
12	Round	8	24	-	7	450	300		202
13	Round	10	30	-	12	450	300		203
14	Flat	20	10	5	6	450	300		204
16	Flat	60	15	5	20	450	300		206
18	Flat	75	15	10	14	450	300		208

78607 Pot magnets

Design
Shielded with threaded hole M 6.
Applications
Suitable for installation in fixtures, for holding, clamping, mounting etc.

Note:
Sketch
1 = adhesive surface.



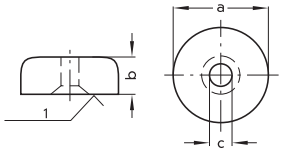
78607

Size	a x b Ø x height mm	c	Adhesive force N	Application temp. of magnet max. °C	Paint max. °C	78607	...
21	17.5 x 16.0	M 6	26	450	300		101
22	20.6 x 19.0	M 6	40	450	300		102
23	27.0 x 25.0	M 6	61	450	300		103
24	35.0 x 30.0	M 6	147	450	300		104

78608 Flat pot magnets

Design
Shielded with through-bore and countersink on the adhesive surface.
Applications
For installation in fixtures with minimal space requirements, holding etc.

Note:
Sketch
1 = adhesive surface.

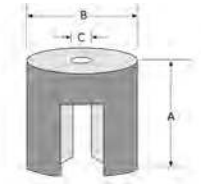


78608

Size	a x b Ø x height mm	c mm	Adhesive force N	Application temp. of magnet max.°C	Paint max. °C	78608	...
31	19.1 x 7.5	3.7	30	450	300		101
32	28.6 x 8.5	4.8	50	450	300		102
33	38.1 x 10.4	4.8	130	450	300		103

78611 Button magnets

Design
With split magnetic surface and through-bore.
Applications
For holding and positioning.

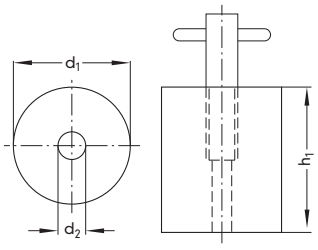


78611

Size	A X B mm	C mm	Adhesive force N	Application temp. of max. °C	Paint max. °C	78611	...
61	9.5 x 12.7	4.4	7	450	300		201
62	12.7 x 19.1	4.8	19	450	300		202
63	15.9 x 25.4	4.8	34	450	300		203

78730 Permanent pot magnets

Design
With push-off spindle for simple removal. Nickel-plated protective plate.
Applications
For holding and clamping even heavy workpieces, for production of rigid or jointed connections, also as a fixed clamping device for large and heavy workpieces during welding and fabrication work, for any particular application.



78730

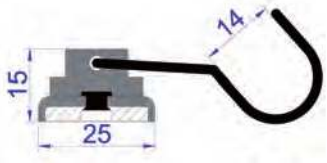
Size	d1 mm	h1 mm	d2 mm	Adhesive force N	Max. application temp. of magnet °C	Paint °C	78730	...
73	70	64	M 8	880	450	300		203

78613 Rotating magnetic hook

Design
- This magnetic hook always points in the desired direction because the hook is free to rotate
- Particularly suitable for installation on the bottom of a steel girder so that the load force acts vertically downwards.

Applications
When mounted on the wall, the adhesive force depends on the smoothness of the surface.
Kitchen towels or light tools can easily be hung on it.

Note:
Two pot magnets cannot be placed exactly on top of one another, because they strongly repel each other. The pot magnets can only be arranged offset to the side.



78613

Type	Retention force kg	Height mm	Max. expansion with hook mm	Weight g	78613	...
FTNT-25	20	15	63	36		101

52002 Magnetic storage tray

Design
Round, made from stainless steel. Due to the double-sided magnetic effect, the tray can be secured to all iron surfaces, such as workshop trolleys, tool racks or lifting platforms. To protect the surface, the magnetic surface is covered with rubber.
Applications
Universally usable magnetic storage with strong magnet that securely holds small parts such as screws or wheel bolts.

Ø mm	52002 ...
150	101

78619 Magnetic holder

ATORN®

Design
- Solid plastic version
- High retention force thanks to 6 neodymium magnets in pot magnet (diameter 65 mm)
- Rubber-coated magnet avoids scratches and is oil-resistant

Advantage
Special shape
- Allows 2 separate usable zones
- Prevents accidental slipping or falling of attached items

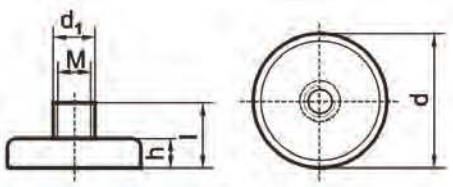
Applications
Cable, barrier tape, blow guns, clothes and other items can be easily secured or hung up.

NEW

Ø mm	78619 ...
65	101

78620 Flat grip magnets, hard ferrite material

Design
Hard ferrite material, zinc-plated surface, with insert nut.
Applications
Universal use in tools, moulded parts and as an adhesive element.

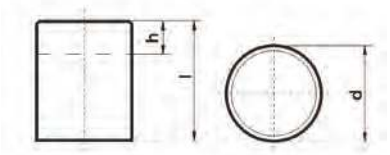


Ø d mm	h mm	Ø d_1 mm	l mm	Thread	Length mm	Weight approx. g	Adhesive force N	Application temperature up to °C	Recommended application temperature °C	78620 ...
10	4.5	6	11.5	M 3	5	3	4	200	100	201
13	4.5	6	11.5	M 3	5	5	10	200	100	202
16	4.5	6	11.5	M 3	5	6	18	200	100	203
20	6.0	6	13.0	M 3	5	11	30	200	100	204
25	7.0	8	15.0	M 4	6	22	40	200	100	205
32	7.0	8	15.0	M 4	6	32	80	200	100	206
40	8.0	10	18.0	M 5	8	60	125	200	100	208
50	10.0	12	22.0	M 6	10	110	220	200	100	210
63	14.0	15	30.0	M 8	14	240	350	200	100	212
80	18.0	20	34.0	M 10	14	520	600	200	100	213
100	22.0	22	43.0	M 12	20	940	900	200	100	214

78621 Bar grip magnets material AlNiCo 500

Design
With round AlNiCo magnetic core. Smooth. Surface zinc-plated, shielded system. Fastening option: Pressing in, shrinking or gluing in place.

Note:
The total length l can be shortened by the dimension h.



d h6 mm	l mm	h mm	Weight approx. g	Adhesive force N	Application temperature up to °C	Fit tolerance	78621 ...
6	10	2	2	1.7	220	h6	201
8	12	3	4	4.0	220	h6	202
10	16	6	9	8.5	220	h6	203
13	18	7	17	12.0	220	h6	204
16	20	5	29	20.0	220	h6	205
20	25	6	57	40.0	220	h6	206
25	30	5	110	80.0	220	h6	207

78622 Flat grip magnets neodymium material (NdFeB)

Design
Neodymium material (NdFeB), extremely high retention force, zinc-plated surface, without thread.

Applications
Universal use in tools, moulded parts and as an adhesive element.

78622

d mm	h mm	Weight approx. g	Adhesive force N	Application temperature °C up to max.	78622	...
6	4.5	1.0	5	80		101
8	4.5	1.5	13	80		102
10	4.5	2.5	25	80		103
13	4.5	4.5	60	80		104
16	4.5	6.5	95	80		105
20	6.0	15.0	140	80		106
25	7.0	22.0	200	80		107
32	7.0	40.0	350	80		108

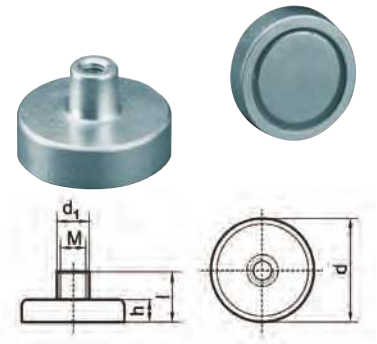
78623 Flat grip magnets neodymium material (NdFeB)

Design
Neodymium material (NdFeB), extremely high retention force, zinc-plated surface, with insert nut.

Applications
Universal use in tools, moulded parts and as an adhesive element.

78623

d mm	h mm	l mm	d_1 mm	Thread	Weight approx. g	Adhesive force N	Application temperature °C up to max.	78623	...
6	4.5	11.5	4.5	M 3	1.5	5	80		101
8	4.5	11.5	4.5	M 3	2.0	13	80		102
10	4.5	11.5	4.5	M 3	3.0	25	80		103
13	4.5	11.5	4.5	M 3	5.0	60	80		104
16	4.5	11.5	4.5	M 4	7.5	95	80		105
20	6.0	13.0	6.0	M 4	16.0	140	80		106
25	7.0	14.0	7.0	M 4	25.0	200	80		107
32	7.0	15.5	7.0	M 5	48.0	350	80		108



78624 Bar grip magnets neodymium material (NdFeB)

Design
Neodymium material (NdFeB), extremely high retention force. Smooth. Shielded by brass coating. Fastening option: Pressing in, shrinking or gluing in place.

Note:
The total length l can be shortened by the dimension h.

78624

d h6 mm	l mm	h mm	Weight approx. g	Adhesive force N	Application temperature °C up to max.	Fit tolerance	78624	...
6	20	10	4.5	10	80	h6		101
8	20	10	8.0	25	80	h6		102
10	20	8	12.5	45	80	h6		103
13	20	6	20.0	70	80	h6		104
16	20	2	32.0	150	80	h6		105
20	25	6	60.0	280	80	h6		106
25	35	7	135.0	450	80	h6		107
32	40	5	250.0	700	80	h6		108

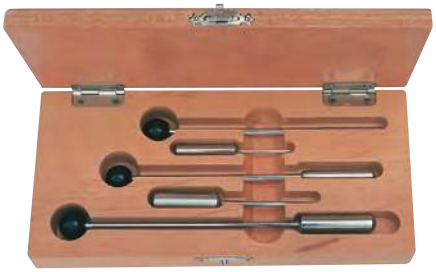
78632 - 78633 Bar magnets

Applications
For removing steel shavings and small ferrous parts from blind holes, threaded holes and other hard-to-reach places.

78632

78632
Design
Blind hole magnets with large scattering effect.

Set contents	Magnet Ø mm	Version	78632	...
5 pieces	1.6-11.0	In wooden case		101



78633

Individual Magnet Ø x length mm	78633	...
1.6 x 65		201
3.0 x 90		202
5.0 x 130		203

Individual Magnet Ø x length mm	78633	...
8.0 x 150		204
11.0 x 180		205

19390 Magnetic chip lifter

Applications
1 tool, 2 uses:
1. Removing chips,
2. Lift small parts
A magnet moves up and down within a stainless-steel round bar. The strong magnet attracts metal chips. Pull the knob and the chips fall off.







19390

Length mm	19390 ...
400	101

78634 Telescopic pick-up magnet

78634

Adhesive force N	Length mm	Magnet Ø mm	Version	78634 ...
6	575	6	With pocket clip	101

78635 Mini pick-up magnet

Design
Flexible, for removing metal items, even from the smallest cracks.

78635

Adhesive force N	Length mm	Magnet Ø mm	78635 ...
3	400	4	201

78637 Pick-up magnet

Design
With flexible stem and plastic handle.
Applications
For removing small iron and steel parts such as split pins, screws, nuts, rings, bolts etc., even in hard-to-reach places.

78637

Adhesive force N	Length mm	Magnet Ø mm	78637 ...
10	460	9	101
18	520	12	102

78703 Flexible gripper

Design
With flexible stem, chrome-plated.
Applications
For placing split pins, small pins, screws and nuts in hard-to-reach places and for gripping and picking up dropped parts.

78703

Length of flexible shaft mm	Claw opening max. mm	78703 ...
465	15	101

= The specified prices are unit prices. Only sold in the specified packing units. Always specify number of units in order information.

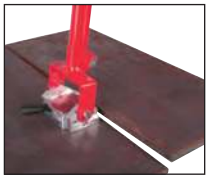
78739 Positioning magnet Mag-Pry

ALFRA

Design
- Pressing-off force 200 kg (on 3 mm steel S 235)
- Up to a maximum of 300 kg retention force
- Long and stable lever arm
- Solid support for perfect pressing on

Applications
- For alignment of sheet steel panels or sheet metal panels that have to be welded on the same level.
- Use in tank construction, mould and prefabrication building and in shipyards.

NEW



78739 300

Type	Retention force kg	Pressing-off force kg	Upright height mm	Horizontal height mm	Width outside edge of lever to bottom of support mm	Width mm	Depth mm	Weight kg	78739	...
MAG-PRY 300	300	200	505	564	79	139	80	2.27		300

78739 Positioning magnets

ALFRA

78739 100+200

Design
- Tear-off force 300 kg (on 6 mm sheet S 235)
- Up to a maximum of 300 kg retention force, even on a 6 mm thick steel plate
- Ergonomic and easy one-handed activation
- M5 and M6 threads on the top and side allow easy attachment of handling accessories such as cutting guides, angled side panels, handles and much more
- Hardened steel bottom with TiN coating for a long service life together with a small air gap prevents damage to the bottom
- Incredible shear force for a better grip, including for vertical applications

Applications
- Ideal work assistance e.g. for plate levelling, platform construction, fixing and clamping of any kind!
- The specially aligned magnetic field (patented) enables welding approx. only 15 mm from the outside of the magnet

Note:
Pre-tension of the magnets
This is a reduced magnetic field that the magnet radiates, even when it is not activated.
This „pre-tension" makes it possible to attach and position the magnet on a vertical surface or overhead, without it falling. The magnetic force is sufficient to bear the tare weight of the magnet. The magnet can thus be moved into a perfect position before the locking lever is pushed down.
The locking mechanism of the magnet is optimised so that one-hand operation is possible.

78739 200

Design
- With prism and curved surfaces
- Suitable for tubes from 25 mm to 200 mm

78739 100

78739 200

NEW

Type	Retention force kg	Tear-off force kg	Length mm	Width mm	Height mm	Weight kg	78739	...
TMC 300	300	300	82.5	80.0	32.5	1.0		100
TMC 300 R	300	300	82.5	80.0	32.5	1.1		200 NEW

78739 Permanent lifting magnets with handle

ALFRA

78739 102+202

Design
- Max. load capacity 50 kg (even with 3 mm sheet S 235)
- Ergonomic and easy one-handed activation
- Protects hands and fingers from hot and sharp-edged steel
- Indispensable for anyone who needs to move welded parts etc. from one location to another (max. temperature: 60°)
- Hardened steel bottom with TiN coating for a long service life together with a small air gap prevents damage to the bottom
- Incredible shear force for a better grip, including for vertical applications

Applications
- Ideal work assistance e.g. for plate levelling, platform construction, fixing and clamping of any kind!
- The specially aligned magnetic field (patented) enables welding approx. only 15 mm from the outside of the magnet

Note:
Pre-tension of the magnets
This is a reduced magnetic field that the magnet radiates, even when it is not activated.
This „pre-tension" makes it possible to attach and position the magnet on a vertical surface or over-head, without it falling. The magnetic force is sufficient to bear the tare weight of the magnet.

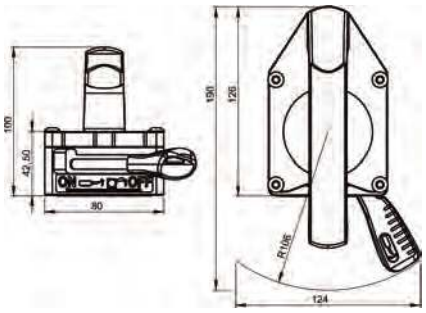
Consequently, the magnet can be moved into a perfect position for an optimal lifting process before the locking lever is pushed down.
The locking mechanism of the magnet is optimised so that one-hand operation is possible.

78739 202
Design
- With prism and curved surfaces
- Lifts tubes from 25 mm to 200 mm in diameter

NEW

78739 102

78739 202



Type	Max. load kg	Tear-off force kg	Length mm	Length with lever mm	Width mm	Width with lever mm	Height mm	Weight kg	78739	...
THM 50	50	150	126	190	80	124	100	1.6		102
TMH 50 R	50	>300	126	190	80	124	100	1.6		202 NEW

78739 Permanent lifting magnets

ALFRA

78739 101+201

Design
- Tear-off force 300 kg (from 6 mm sheet S 235)
- Max. load for vertical lifting 30 kg at 90° (3-fold safety factor)
- Max. lifting force of 50 kg at 3 mm material thickness and 100 kg lifting force from 6 mm (plus 3-fold safety factor)
- Outstanding performance on thin-walled materials (can be used from 1 mm)
- Twist stop can be rotated and swivelled through 360° (even under full load)
- Ergonomic and easy one-handed activation
- Hardened steel bottom with TiN coating for a long service life together with a small air gap prevents damage to the bottom
- Incredible shear force for a better grip, including for vertical applications

Applications
- Ideal work assistance e.g. for plate levelling, platform construction, fixing and clamping of any kind!
- The specially aligned magnetic field (patented) enables welding approx. only 15 mm from the outside of the magnet

Note:
Pre-tension of the magnets
This is a reduced magnetic field that the magnet radiates, even when it is not activated.

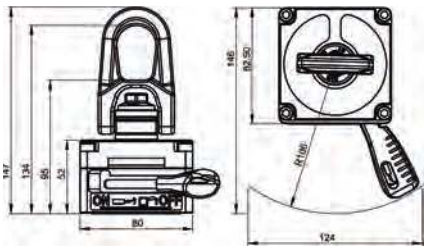
This „pre-tension" makes it possible to attach and position the magnet on a vertical surface or over-head, without it falling. The magnetic force is sufficient to bear the tare weight of the magnet.
Consequently, the magnet can be moved into a perfect position for an optimal lifting process before the locking lever is pushed down.
The locking mechanism of the magnet is optimised so that one-hand operation is possible.

78739 201
Design
- With prism for tubes and curved surfaces
- Lifts tubes from 25 mm to 200 mm in diameter

78739 101

78739 201

NEW

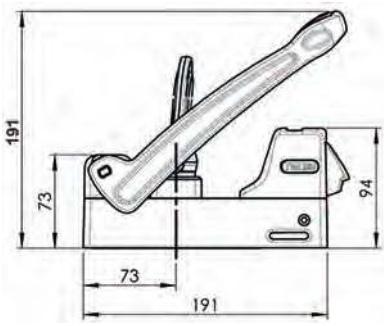


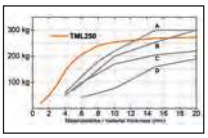
Type	Max. load kg	Tear-off force kg	Length mm	Width mm	Height (twist stop folded in) mm	height (twist stop folded up) mm	Weight kg	78739	...
TML 100	100	300	82.5	80	85	147	1.7		101
TML 90 R	90	270	82.5	80	88	150	1.8		201 NEW

78739 103

78739 103-104+203
TML 250/TML 500/TML 400 R
Design
- Up to 70% lower tare weight with at least equal performance when compared with conventional magnets
- Ergonomic activation with minimal effort
- Completely new operating concept enables greater action radius
- Twist stop can be rotated and swivelled through 360°
- Hardened, TiN-coated magnetic surface

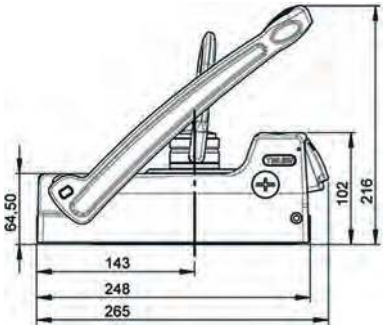
Note:
Pre-tension of the magnets
This is a reduced magnetic field that the magnet radiates, even when it is not activated.
This „pre-tension" makes it possible to attach and position the magnet on a vertical surface or overhead, without it falling. The magnetic force is sufficient to bear the tare weight of the magnet. Consequently, the magnet can be moved into a perfect position for an optimal lifting process before the locking lever is pushed down.
The locking mechanism of the magnet is optimised so that one-hand operation is possible.



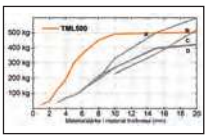


78739 104

78739 103
TML 250
Design
- Max. load up to 250 kg (3-fold safety factor)
- Up to 250 kg lifting force from 10 mm material thickness and 90 kg lifting force from 3 mm material thickness (specified load capacity plus 3-fold safety factor in the lifting operation, i.e. the force to tear off the plate must correspond to three times the maximum lifting force)
- Outstanding performance on thin-walled materials

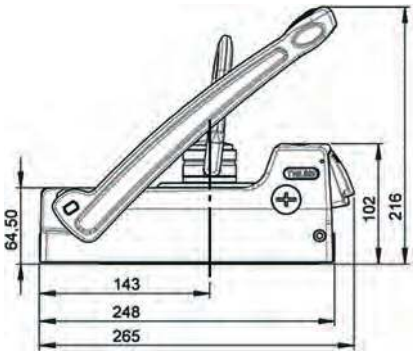


78739 104
TML 500
Design
- Max. load up to 500 kg (3-fold safety factor)
- Max. load for vertical lifting 150 kg at 90° (from 15 mm S 235 with 3-fold safety factor)
- 300 kg lifting force from 5 mm material thickness and 490 kg lifting force from 10 mm material thickness (specified load capacity plus 3-fold safety factor in the lifting operation, i.e. the force to tear off the plate must correspond to three times the maximum lifting force)
- Outstanding performance on thin-walled materials (can be used from 2 mm)



78739 203

78739 203
TML 400 R
Design
- With prism for tubes and curved surfaces
- Lifts tubes from 50 mm to 400 mm in diameter
- Max. load up to 400 kg (with 3-fold safety factor)
- Outstanding performance on thin-walled materials (can be used from 2 mm)



NEW

Type	Max. load kg	Tear-off force kg	Length (closed lever) mm	Width mm	Height (open lever) mm	Magnet contact surface L X W mm	Weight kg	78739	...
TML 250	250	750	240	91	191	135 x 62	3.5		103
TML 500	500	1500	295	118	216	185 x 88	7.3		104
TML 400 R	400	1200	295	118	216	-	8.2		203 NEW