



**resist  
nature's  
forces**

**PADS & MATS**

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**LODAX**

# Manufacturer since 1996 of high quality outrigger pads and ground protection mats

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# INTRODUCTION

Dear reader,

Thank you for your interest in our company.  
On the following pages you will get an overview  
of what LODAX can do for you.

We are specialized in manufacturing outrigger pads  
and ground protection mats. Our outrigger pads will  
assure a safe work environment for machines when  
used. Our ground protection mats allow access to  
machines and pedestrians on difficult accessible  
terrain while also protecting the soil.

Do you have questions or special requests?  
Are you in need of a custom-made solution?  
We're at your service.

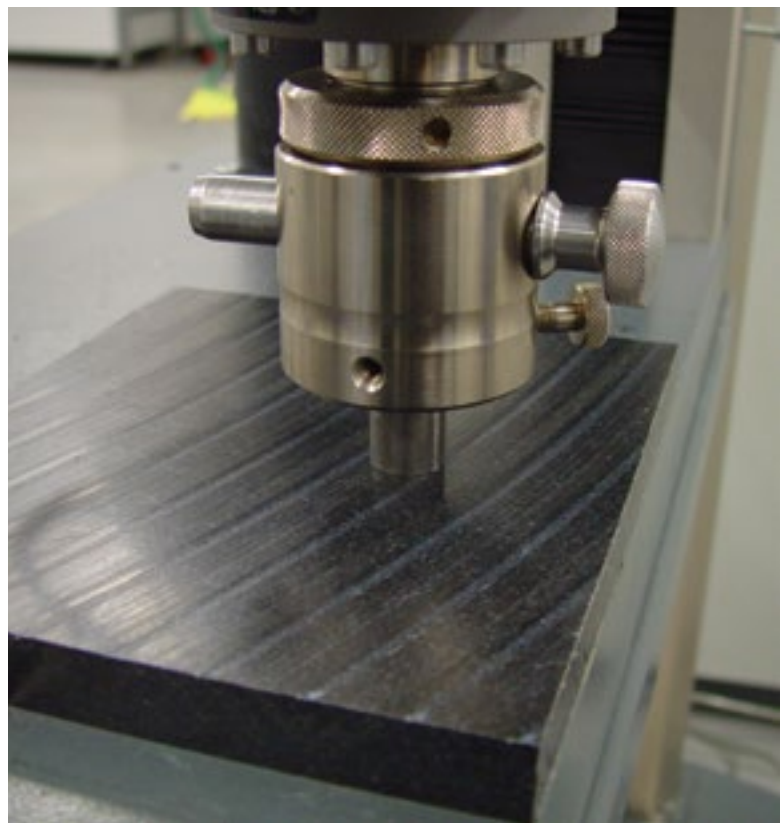


Different options for our Mats and Pads are  
available. We integrated a simple color code in  
this brochure. View the cover of this brochure for  
more information.

**LODAX** is known for its quality, service and flexibility. No novice sales advisors but a professional sales team who can help you with difficult technical questions. Our customers aren't treated like an ordinary number, but as a valued partner.

All of our products are produced with high quality, recycled, technical plastics. This durable material can be recycled many times and has a very long lifespan. The perfect alternative for the traditional wooden and steel products.

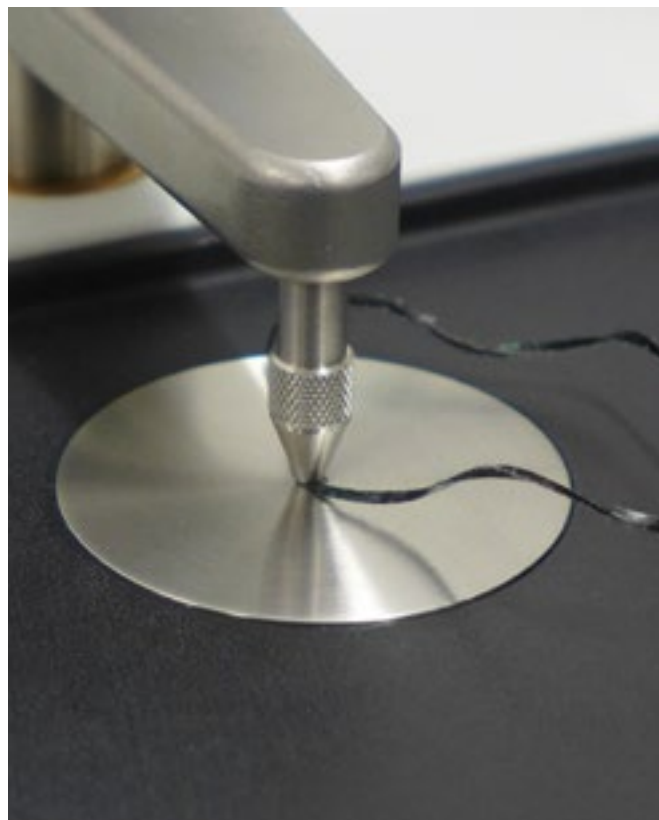
We didn't choose **LODAX** as a brand name just because it's a catchy name. It's the combination of '**LOAD**' and '**ACCESS**'; two very important characteristics of our products. The load is spread so machines can be used safely. Above that, they also grant you access to difficult accessible terrains.



## TESTED AND APPROVED

In order to assure the safe use of our outrigger pads and ground protection mats, we decided to put our pads and mats (with the exception of Budget Mats) through a compression test by VKC (University test centre specialising in plastics). A pressure test was done starting from 2000N to 18000N with a mandrel with a diameter of 20mm. Each time the material endures a certain pressure, the impact is marked. In this way we can see at what pressure our material starts to deform.

At 10000N the mandrel starts to leave a slightly visible mark into the LODAX sample. This means that our pads can easily support 20N/mm<sup>2</sup> without any damage to the product (test was done on a hard surface during a limited time).



## QUALITY ASSURED

To ensure that we always deliver LODAX pads and mats with the same level of quality, we organise a periodical quality analysis of the material using FTIR analysis. This test can be compared to a DNA analysis – experts check the data with those of the original test to see if it matches the “approved” quality.

Our outrigger pads (except stack pads and shoes) receive a lifetime warranty (details on demand). The Premium mats have a warranty of 10 years (details on demand).

### It's all about safety

We deliver you tested and high quality products. When used according to the approved guidelines you will see a much safer working environment.



Manufacturer with an extensive production facility



Technical help with choosing the right product



Periodical quality tests



Large stock and fast deliveries



Engineering and co-engineering



We have our own R&D department

**“LODAX  
outrigger pads  
have a lifetime  
warranty.”**



Different options for our Pads are available.  
View the cover of this brochure for more information.

# LODAX

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# PADS

Ecological  
Light weight  
Easy to handle  
High durability  
High flexibility  
Water-repellent  
Unbreakable  
Doesn't corrode  
Doesn't rot  
Spreads the load

## **Our different types:**

- Square pads
- Round pads
- Round shoes
- Rectangular shoes
- Stack pads
- Inclined pads
- Conductive pads
- Rubber layered pads



**LODAX Pads**, when used correctly, offer a safe support for your mobile cranes, concrete pumps, truck mounted cranes, hydraulic hoists, scissor lifts, machines, containers, etc. LODAX Pads spread the load on a larger surface while also protecting the soil underneath.

## APPLICATIONS



**Mobile cranes**



**Truck-mounted cranes**



**Hydraulic hoists**



**Scissor lifts**



**Forklifts  
and telehandlers**



**Concrete pumps**



**Hydraulic jack**



**Industrial /  
Containers**

**And many more...**

## SQUARE PADS

**LIFETIME LODAX<sup>\*</sup>  
WARRANTY**

Check the cover of this brochure for extra options.

Code	Load capacity <sup>1</sup> T	Length mm	Width mm	Thickness mm	Weight kg	Handles	Options
151.05/30	4	300	300	30	2,50	1	● ● ● ●
151.08/30	8	400	400	30	4,50	1	● ● ● ● ●
151.10/40	10	400	400	40	6,00	1	● ● ● ● ●
151.12/40	12	400	400	50	7,50	1	● ● ● ● ●
151.12/60	15	400	400	60	9,00	1	● ● ● ● ●
151.15/40	15	500	500	40	9,00	1	● ● ● ● ●
151.15/50	15	500	500	50	12,00	1	● ● ● ● ●
151.20/60	20	500	500	60	14,00	1	● ● ● ● ●
151.10/406030	10	600	300	40	7,00	1	● ● ● ● ●
151.12/606030	12	600	300	60	10,00	1	● ● ● ● ●
151.20/40	20	600	600	40	14,00	1	● ● ● ● ●
151.23/50	23	600	600	50	17,00	1	● ● ● ● ●
151.25/60	25	600	600	60	20,00	1	● ● ● ● ●
151.25/40	25	800	800	40	25,00	2	● ● ● ●
151.30/50	30	800	800	50	31,00	2	● ● ● ●
151.35/60	35	800	800	60	37,00	2	● ● ● ●
151.40/50	40	1000	1000	50	49,00	2	● ● ● ●
151.50/60	50	1000	1000	60	58,00	2	● ● ● ●
151.70/80	70	1000	1000	80	78,00	2	● ● ● ●
151.80/60	80	1200	1200	60	84,00	2	● ● ● ●
151.80/80	90	1200	1200	80	113,00	2	● ● ● ●
151.110/100	110	1200	1200	100	137,00	2	● ● ● ●
151.130/120	130	1500	1500	120	257,00	4	● ● ● ●
151.160/150	160	1500	1500	150	321,00	4	● ● ● ●
151.200/150	200	2000	2000	150	570,00	4	● ● ● ●

Other dimensions available on demand.



## ROUND PADS

**LIFETIME LODAX<sup>\*</sup>  
WARRANTY**

Check the cover of this brochure for extra options.

Round pads can be rolled to the desired location

Code	Load capacity <sup>1</sup> T	Diameter mm	Thickness mm	Weight kg	Handles	Options
151.30/R0	30	800	60	29,00	2	● ● ● ●
151.35/R0	35	900	60	37,00	2	● ● ● ●
151.35/R01	35	1000	50	37,00	2	● ● ● ●
151.40/R0	40	1000	60	46,00	2	● ● ● ●
151.50/R0	50	1000	80	61,00	2	● ● ● ●
151.50/R01	50	1200	60	66,00	2	● ● ● ●
151.70/R0	80	1200	80	88,00	2	● ● ● ●

Other dimensions available on demand.

<sup>1</sup> The load capacity depends on the surface, the weight, the type of vehicle and of the contact surface on the plate. It is also subject to climatological conditions. The capacity is based on a ground resistance of 3kg/cm<sup>2</sup> and a max. pressure of 10N/mm<sup>2</sup>. In any case LODAX is not responsible for any damage on the underground.

<sup>\*</sup> Warranties are subject to our terms and conditions, contact us for details.



# ROUND SHOES

- Use when you are working on a muddy terrain. The stabilizer feet are fixed in the shoe, this prevents them from getting stuck in the mud
- Because of the special model, the stabilizer foot is easy to place into the pad and will not move

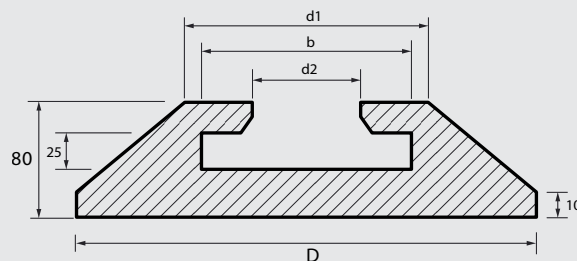
Code	Load capacity <sup>1</sup> T	Diameter mm	Thickness mm	Weight kg	Handles	Options
151.SPP400	10	400	80	5	1	● ●
151.SPP400PAL	10	400	80	5	1	● ●
151.SPP400MAX	10	400	80	5	1	● ●
151.SPP500	15	500	80	9	1	● ●
151.SPP600	20	600	80	15	1	● ●

<sup>1</sup> The load capacity depends on the surface, the weight, the type of vehicle and of the contact surface on the plate. It is also subject to climatological conditions. The capacity is based on a ground resistance of 3kg/cm<sup>2</sup> and a max. pressure of 10N/mm<sup>2</sup>. In any case LODAX is not responsible for any damage on the underground.

\* Warranties are subject to our terms and conditions, contact us for details.

## Technical dimensions

Code	D (mm)	d1 (mm)	b (mm)	d2 (mm)
151.SPP400	400	260	205	120
151.SPP400PAL	400	260	232	120
151.SPP400MAX	400	260	232	162
151.SPP500	500	360	256	140
151.SPP600	600	460	270	160



Check the cover of this brochure for extra options.



# RECTANGULAR SHOES

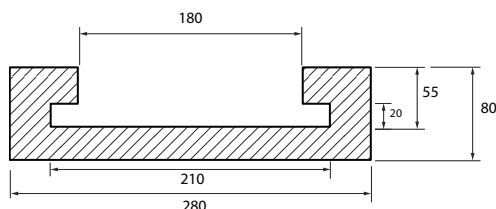
Same principle as the normal round shoe but with 2 added advantages:

- The stabilizer foot can slide in the shoe (very useful for spider cranes, for example)
- The stabilizer foot is locked in the shoe thanks to a sturdy closing system

Code	Load capacity <sup>1</sup> T	Length mm	Width mm	Thickness mm	Weight kg	Options
151.SPPR580280	10	580	280	80	8	●

Other dimensions available on demand.

<sup>1</sup> The load capacity depends on the surface, the weight, the type of vehicle and of the contact surface on the plate. It is also subject to climatological conditions. The capacity is based on a ground resistance of 3kg/cm<sup>2</sup> and a max. pressure of 10N/mm<sup>2</sup>. In any case LODAX is not responsible for any damage on the underground.



## STACK PADS

- Stack pads are often used in combination with other LODAX Pads
- Stack several pads to reach the requested height which would not be reachable with a normal outrigger pad. This will result in constructions of 2-3 levels to reach the desired height
- Stack pads have a standard 2-sided anti-slip finishing

Code	Length mm	Width mm	Thickness mm	Weight kg	Handles	Options
151.BAS.5/50	500	250	50	6	1	● ●
151.BAS.5/80	500	250	80	10	1	● ●
151.BAS.5/100	500	250	100	12	1	● ●
151.BAS.10/50	1000	250	50	12	2	● ●
151.BAS.10/80	1000	250	80	19	2	● ●
151.BAS.10/100	1000	250	100	24	2	● ●
151.BAS.12/80	1200	330	80	30	2	● ●

Other dimensions available on demand.



Check the cover of this brochure for extra options.



## CONDUCTIVE PAD

Two electricity conductive stainless steel strips are attached to the pad so any electricity can go through. The pad minimizes the danger of electrocution and is essential for fire fighters and people working near electricity lines.

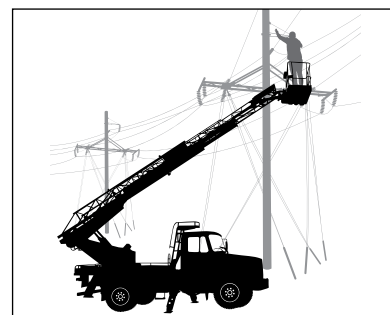
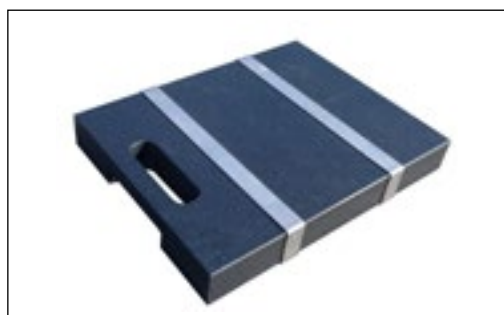
Code	Load capacity <sup>1</sup> T	Length	Width	Thickness mm	Weight kg	Handles in material	Options
151.C505040	15	500	500	40	10.2	1	●

Other dimensions available on demand.

<sup>1</sup> The load capacity depends on the surface, the weight, the type of vehicle and of the contact surface on the plate. It is also subject to climatological conditions. The capacity is based on a ground resistance of 3kg/cm<sup>2</sup> and a max. pressure of 10N/mm<sup>2</sup>. In any case LODAX is not responsible for any damage on the underground.



Check the cover of this brochure for extra options.



## PADS WITH RUBBER LAYER

These LODAX Pads are produced with the regular LODAX material but have an extra layer of rubber on top. This rubber layer offers some extra advantages:

- Protects the floor / underground both inside and outside
- The rubber is used as an antislip surface
- Dampens vibrations and shocks

Code	Dimensions	Load capacity <sup>1</sup> T	Weight kg	Options
151.10/40R	400x400x40mm	10	6.3	● ● ● ●
151.15/50R	500x500x50mm	10	12.2	● ● ● ●

Other dimensions available on demand.

<sup>1</sup> The load capacity depends on the surface, the weight, the type of vehicle and of the contact surface on the plate. It is also subject to climatological conditions. The capacity is based on a ground resistance of 3kg/cm<sup>2</sup> and a max. pressure of 10N/mm<sup>2</sup>. In any case LODAX is not responsible for any damage on the underground.



Check the cover of this brochure for extra options.



## INCLINED PAD

An innovative system which allows you to safely support your crane on rough and uneven terrain.

These LODAX Pads are equipped with 2 different sides. 1 side has a rubber layer which is used as an antislip layer while also protecting the underground. The other side is equipped with a milled center to easily place the outrigger feet.

Both models have 1 side with an inclination of 7,5°. You can combine these 2 pads to reach an inclination of 15°.

Code	Dimensions	Load capacity <sup>1</sup> T	Weight kg	Options
151.10/80I	400x400x80mm	7.2	10	●
151.15/80I	500x500x80mm	10	15	●

Other dimensions available on demand.

<sup>1</sup> The load capacity depends on the surface, the weight, the type of vehicle and of the contact surface on the plate. It is also subject to climatological conditions. The capacity is based on a ground resistance of 3kg/cm<sup>2</sup> and a max. pressure of 10N/mm<sup>2</sup>. In any case LODAX is not responsible for any damage on the underground.



## PADS BOX

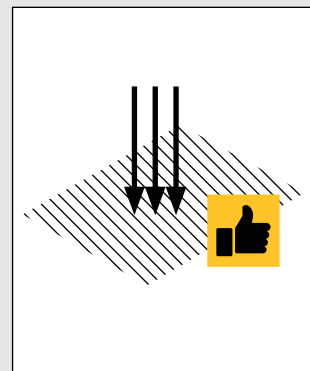
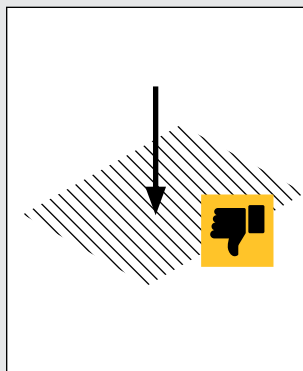
Our storage boxes are standard equipped with fixation holes which allows you to fix the box onto any machine. Safety lock included.

Code	Description	Weight kg
151.BOX400	4 Pads 400x400x30mm or 2 Pads 400x400x40/50/60 or 2 Pads / shoes diam. 400x80mm	7,00
151.BOX500	2 Pads 500x500x40/50/60mm or 2 Pads / shoes diam. 500x80mm	10,00
151.BOX600	2 Pads 600x600x40/50/60mm or 2 Pads / shoes diam. 600x80mm	12,00



**ENGINEERED  
TO MEET YOUR  
NEEDS**

# HOW TO CHOOSE THE CORRECT PAD?



## 1. Determine the load capacity



Each outrigger pad should be able to carry the total burden a crane stresses on 1 stabiliser foot. A crane in usage, together with its weight and burden, will rotate around its axle. During that process the total burden will move together with the crane which means that a large portion of the weight will be stressed on 1 outrigger pad. In general, for mobile cranes, an outrigger pad should be able to carry 80 % of the total weight (weight of the crane, the burden, counterweight, chains, ...). Manufacturers of machines are obligated to communicate the maximum load capacity of 1 stabiliser foot.

The value of the maximum load capacity will be noted in N (Newton), this has to be converted to T (Ton) to know the load capacity of the outrigger pad.

$10.000\text{N} = 1020\text{kg}$  or  $1,02\text{T}$

## 2. Determine the surface

With the help of our product information you should be able to choose the correct outrigger pad, just make sure that the load capacity is accurate.

### Important remark:

The capacity of the crane should never be divided by the number of outrigger pads. The load onto outrigger pads is dynamic. Because of the constant movement of the crane (and its burden), the load onto the outrigger pads changes constantly. When choosing outrigger pads, it's critical choosing ones that can carry the maximum load.

We advise to limit the maximum load of the stabilizer foot onto the outrigger pad to  $10\text{N/mm}^2$ .





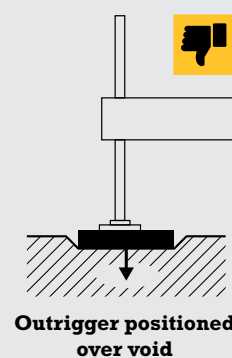
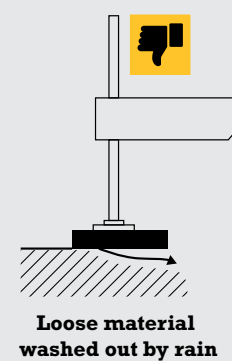
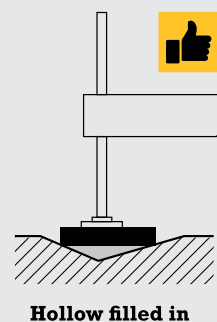
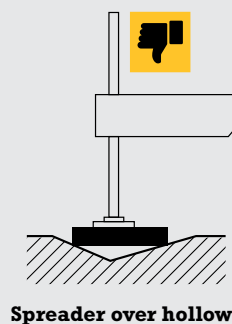
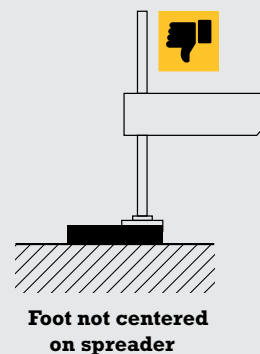
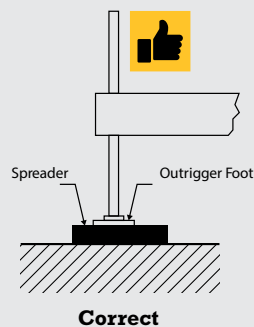
### Good to know:

All information concerning capacity and dimensions of our outrigger pads is based on the use according to the approved guidelines. Be aware that following elements also influence the use: weather conditions, the stability of the surface and the maximum load capacity of the foundation (see below).

### Table with indicative load capacities for each type of soil

Type of foundation	Maximum allowed burden
Fine sand (< 1mm)	0,5 – 2 daN/cm <sup>2</sup>
Rough sand (1-3mm)	2 – 3 daN/cm <sup>2</sup>
Gravel	3 – 4 daN/cm <sup>2</sup>
Soft clay soil	0,4 – 0,8 daN/cm <sup>2</sup>
Medium-hard clay soil	1,5 – 3 daN/cm <sup>2</sup>
Hard clay soil	3 – 4 daN/cm <sup>2</sup>
Rock formation	10 – 30 daN/cm <sup>2</sup>

### Examples of good and bad practice



**“Spread the load  
and avoid accidents.”**

**“Create temporary access roads  
while protecting the surface  
underneath.”**



Different options for our Mats are available.  
View the cover of this brochure for more information.

# LODAX

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# MATS

Ecological

Light weight

Easy to handle

High durability

High flexibility

Water-repellent

Unbreakable

Doesn't corrode

Doesn't rot

Spreads the load

## Our different types:

- Premium Mats
- Budget Mats
- Heavy Duty Mats



**LODAX Mats** are used to grant access to machines and pedestrians on difficult accessible terrains. They are frequently used in the landscaping industry, construction sites, maintenance of sport fields, etc.

## APPLICATIONS



**Landscaping industry**



**Stadium  
& sport**



**Energy**



**Construction /  
Building**



**Events**



**Protection of floors**



**Lifting & rental of  
building equipment**



**Temporary roadways /  
parking**

**And many more...**

# PREMIUM MATS

**10 YEAR  
WARRANTY\***

## 10mm thickness



Code	Advised load capacity T	Load capacity <sup>1</sup> Min - Max T	Length mm	Width mm	Thickness mm	Weight kg	Handles	Options
152.PP200510	10	1-15	2000	500	10	10	2	◆◆◆◆◆◆◆◆
152.PP201010	10	1-15	2000	1000	10	20	4	◆◆◆◆◆◆◆◆
152.PP301010	10	1-15	3000	1000	10	30	4	◆◆◆◆◆◆◆◆

## 15mm thickness



Code	Advised load capacity T	Load capacity <sup>1</sup> Min - Max T	Length mm	Width mm	Thickness mm	Weight kg	Handles	Options
152.PP200515	45	1-80	2000	500	15	15	2	◆◆◆◆◆◆◆◆
152.PP201015	45	1-80	2000	1000	15	30	4	◆◆◆◆◆◆◆◆
152.PP300515	45	1-80	3000	500	15	22,5	2	◆◆◆◆◆◆◆◆
152.PP301015	45	1-80	3000	1000	15	45	4	◆◆◆◆◆◆◆◆

## 20mm thickness



Code	Advised load capacity T	Load capacity <sup>1</sup> Min - Max T	Length mm	Width mm	Thickness mm	Weight kg	Handles	Options
152.PP201020	60	1-100	2000	1000	20	40	4	◆◆◆◆◆◆◆◆
152.PP301020	60	1-100	3000	1000	20	60	4	◆◆◆◆◆◆◆◆

**REMARK:** We strongly advise to use connectors to attach the mats and to maintain a max. speed of 5 km/h. (3-5mph)

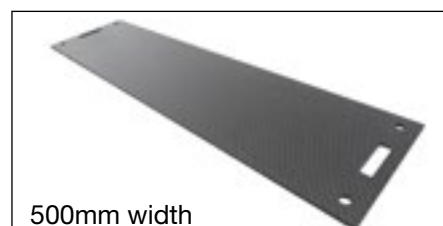
<sup>1</sup> The load capacity depends on the surface, the weight, the type of vehicle and of the contact surface on the plate. It is also subject to climatological conditions. The capacity is based on a ground resistance of 3kg/cm<sup>2</sup> and a max. pressure of 10N/mm<sup>2</sup>. In any case LODAX is not responsible for any damage to the surface or vehicle.

Never use our mats to cross trenches. We engineer them so they keep a level of elasticity/flexibility to spread the load with higher efficiency.

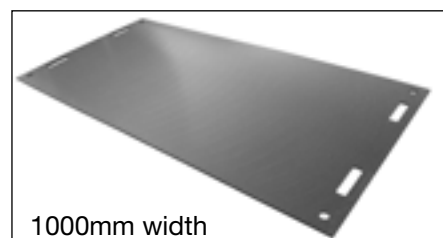


Check the cover of this brochure for extra options.

- Our best quality
- Light and very strong
- Max. 100T load capacity
- Personalisation possible
- Equipped with 2 or 4 handles



500mm width



1000mm width

### Did you know?

That these are our standard mats?

We can offer ground protection mats up to a maximum of 6000x2000x100mm

### Interested?

Contact us:  
info@lodax.eu



\*Warranties are subject to our terms and conditions, contact us for details.



# HEAVY DUTY MATS

Our Heavy Duty Mat is the solution to protect the ground and gaining access to areas which are difficult to reach with heavy-duty machines.

- Ideal for creating temporary roadways, parking lots and platforms
- Usable in various sectors:  
Energy, drill sites, telecommunication, labs, ...
- Made of high density post-industrial recycled plastic
- Very resistant to wear and tear and to heavy-duty weights
- Connection system available
- Fast and easy creation of big platforms

The Heavy Duty Mat has 2 different sides:

- 1 side with bigger notches for heavy (construction) machinery
- 1 side with smaller notches for pedestrians and smaller machinery

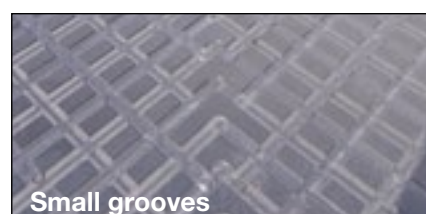
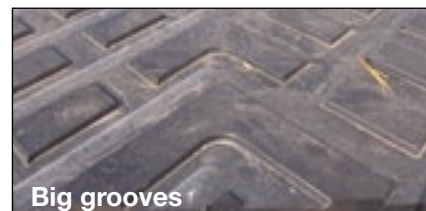
These mats have the same technical characteristics and advantages as LODAX Pads and LODAX Mats.

The Heavy Duty Mat is standard available in a thickness of 30mm.



Check the cover of this brochure for extra options.

- Our most powerful mat
- 3000X2000X30mm
- Max. 120T load capacity



## Steel mats versus Heavy Duty Mats

	Steel Mat	Heavy Duty Mat
Dimensions (LxWxH)	5000x1000x10mm	3000x2000x30mm
M² / Mat	5 m²	6 m²
Weight	400 kg	160 kg
N° of mats on a 22T truck	45 mats (22000 kg / 400 kg = 45 mats)	140 mats (22000 kg / 160 kg = 140 mats)
m² on a 22T truck	220 m² (45 mats x 5m²)	840 m² (140 mats x 6 m²)



A 22T can transport 620m² more 'Heavy Duty Mats' in comparison to steel mats

## Heavy Duty Mat |

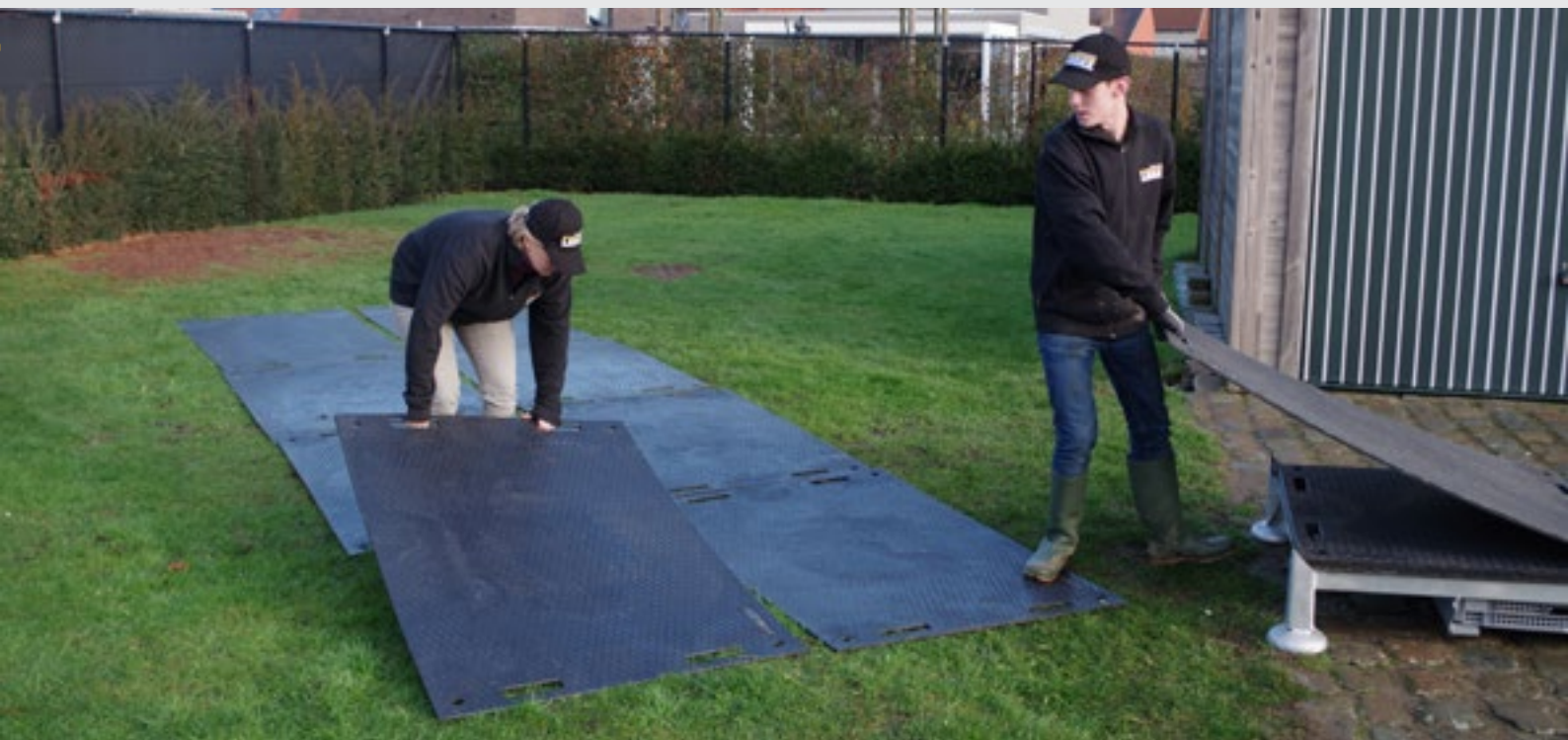


Code	Advised load capacity¹ T	Load capacity¹ Min - Max T	Length mm	Width mm	Thickness mm	Weight kg	Options
157.01.03	100	1-120	3000	2000	30	160	◆◆

**REMARK:** We strongly advise to use connectors to attach the mats and to maintain a max. speed of 5 km/h. (3-5mph)

¹ The load capacity depends on the surface, the weight, the type of vehicle and of the contact surface on the plate.

It is also subject to climatological conditions. The capacity is based on a ground resistance of 3kg/cm² and a max. pressure of 10N/mm². In any case LODAX is not responsible for any damage to the surface or vehicle. Never use our mats to cross trenches. We engineer them so they keep a level of elasticity/flexibility to spread the load with higher efficiency.



## BUDGET MATS

The economical version of our ground protection mats.  
Good quality for a very competitive price.

Budget Mats have a diamond-shaped pattern for extra grip

- Recycled plastics are used in the manufacturing process
- Lightweight and easy handling

**2 YEAR  
WARRANTY\***



Check the cover of this brochure for extra options.

- Our economical version
- 1500x1000x12mm
- Standard equipped with an anti-slip pattern
- 10T load capacity

### Budget Mats |



Code	Advised load capacity <sup>1</sup> T	Load capacity <sup>1</sup> Min - Max T	Length mm	Width mm	Thickness mm	Weight kg	Handles	Options
152.PPEC0151012	10	1-15	1500	1000	12	17	4	◆ ◆

**REMARK:** We strongly advise to use connectors to attach the mats and to maintain a max. speed of 5 km/h. (3-5mph)

<sup>1</sup> The load capacity depends on the surface, the weight, the type of vehicle and of the contact surface on the plate.

It is also subject to climatological conditions. The capacity is based on a ground resistance of 3kg/cm<sup>2</sup> and a max. pressure of 10N/mm<sup>2</sup>. In any case LODAX is not responsible for any damage to the surface or vehicle.

Never use our mats to cross trenches. We engineer them so they keep a level of elasticity/flexibility to spread the load with higher efficiency.



\*Warranties are subject to our terms and conditions, contact us for details.



## GEOTEXTILE

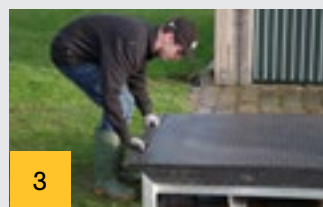
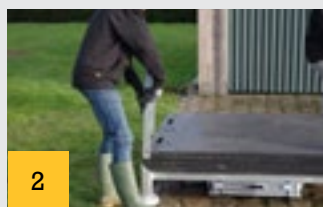
- Is mostly used as a support for ground protection Mats on long-lasting construction sites
- Mats won't get stuck in the mud
- Mud and other dirt won't be able to reach the Mat
- The load capacity of the mats will rise slightly
- 1 roll of 100 x 1,5m (LxW)



152.GEO100X1.5

## STORAGE BOXES

Code	L X W X H mm	Weight kg	Max. Budget Mats	Max. 500mm W Premium Mats	Max.1000mm W Premium Mats	Max. Heavy Duty Mats
152.PPBOXECO	1635 x 1132 x 800	50	40 Budget Mats	/	/	/
152.PPBOX	2120 x 1120 x 800	60	/	90 (10mm thickness) 60 (15mm thickness) 50 (20mm thickness)	45 (10mm thickness) 30 (15mm thickness) 25 (20mm thickness)	/
152.PPBOX3000	3120 x 1120 x 800	95	/	90 (10mm thickness) 60 (15mm thickness) 50 (20mm thickness)	45 (10mm thickness) 30 (15mm thickness) 25 (20mm thickness)	/
152.PPBOXHDM	3057 x 2057 x 800	250	/	/	/	15

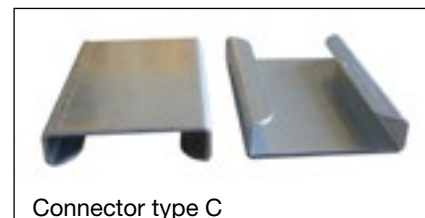


# CONNECTION SYSTEMS

## To connect Mats in a straight line (roadway)

Code	Type	Appropriate for*
152.CON-S-12	Connector type I Single - for Mats with 10/12mm thickness	BM / PM
152.CON-S-15	Connector type I Single - for Mats with 15mm thickness	PM
152.CON-S-20	Connector type I Single - for Mats with 20mm thickness	PM
152.CON10	Connector type C - for Mats with 10mm thickness	PM
152.CON12	Connector type C - for Mats with 10/12mm thickness	BM / PM
152.CON15	Connector type C - for Mats with 15mm thickness	PM
152.CON20	Connector type C - for Mats with 20mm thickness	PM

\*PM = Premium Mats | BM = Budget Mats | HDM = Heavy Duty Mat



Connector type C



Type I single / I double



Heavy Duty Mat connector

## For our Heavy Duty Mats

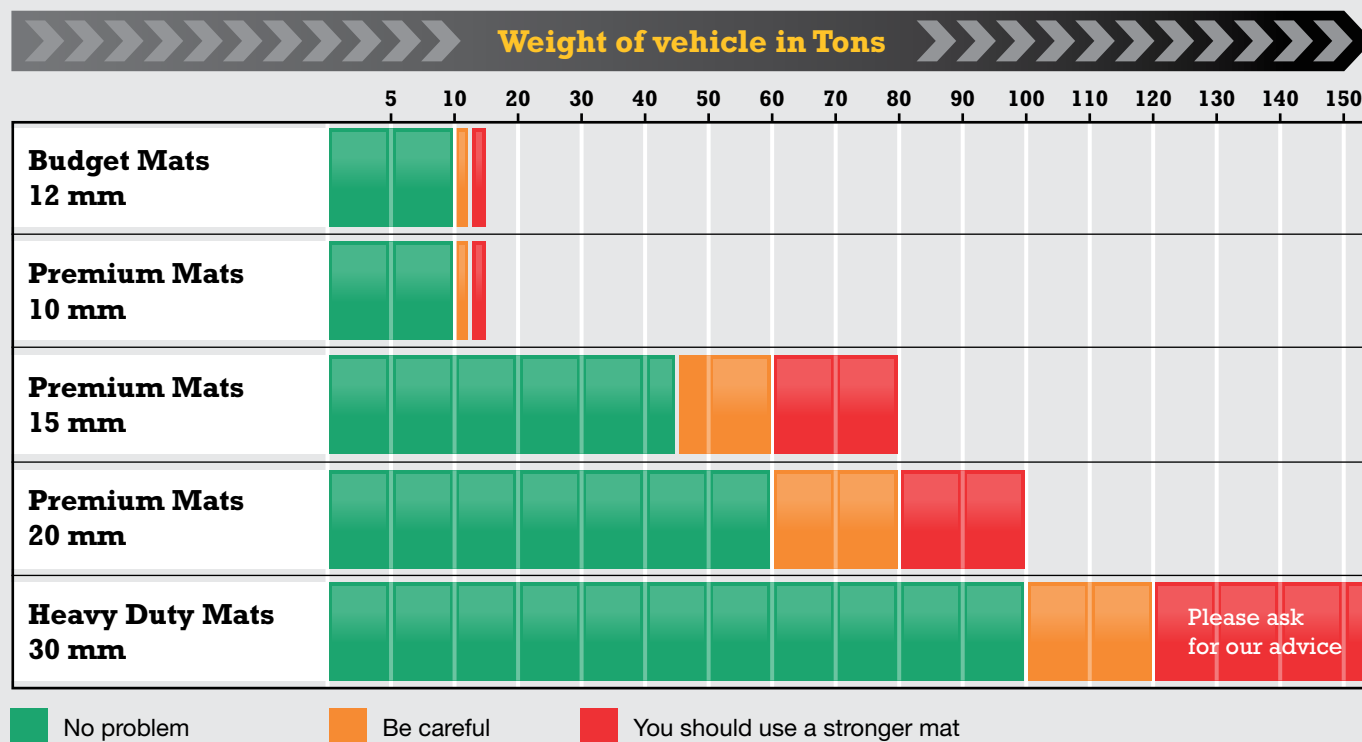
Code	Type	Appropriate for*
157.CON-S	Connector type I Single - for our Heavy Duty Mat	HDM

\*PM = Premium Mats | BM = Budget Mats | HDM = Heavy Duty Mat



# HOW TO CHOOSE LODAX MATS?

Choosing a mat can be a daunting task. To make this process a little easier, here you can find a tool that can help you make a choice.



*\*This advice is based when the mats are used on dry and firm ground.  
Please contact us in case the mats are used in a different situation.*

**“Decrease accidents,  
increase productivity  
and mind our environment.”**

A large truck tire is positioned in the upper right portion of the frame. The tire's tread pattern is visible, and embossed text on the sidewall includes "315/80R22.5", "TUBELESS", and "REMOVABLE". In the foreground, a grid of geogrid reinforcement is laid out on the ground, with some grass visible in the bottom left corner. The overall scene suggests a construction or stabilization project.

**PROTECT THE  
SOIL AND GIVE  
STABILITY A  
BOOST.**



**LODAX**

---

# **STABILITY SOLUTIONS**

**Our different types:**

- Stability blocks
- Step block



Our product line **Stability Solutions** do exactly that: they provide stability to your machines, vehicles and tools during specific situations. A few examples are: during machine maintenance, when changing tires or other specific parts, during rescue attempts, etc.

**Benefits of our solutions:**

- High resistance to heavy loads
- Stabilizes the machines or loads
- Does not corrode, rot or absorb liquid
- Durable solution
- Resists most of chemicals and oils
- Light units
- Easy to keep clean

## APPLICATIONS



**Industry**



**Heavy equipment**



**Construction**



**Automotive**



**Lifting**



**Rescue teams**

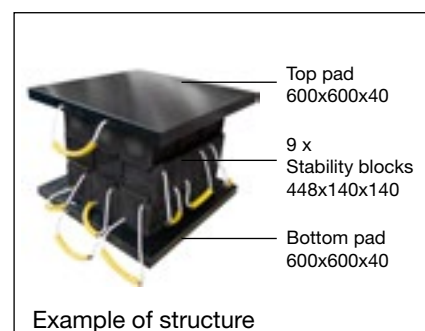
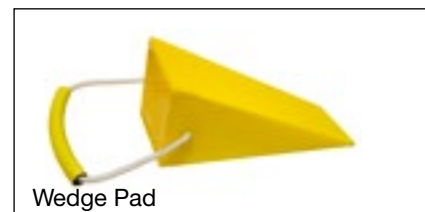
## STABILITY BLOCKS®

Mainly used to support static loads (e.g. heavy machinery), our stability blocks are designed so they can securely be piled on top of each other and create a multiple layered platform.

Three sides of the blocks have strengthening ribs and one side has a smooth and flat surface. The strengthening ribs and the notches keep the structures strong and stable.

Code	Description	Max. recommended load*	Weight kg
154.01.01	Stability Block 1174x140x140mm	See below our recommended base structure for this information.	16.5
154.01.02	Stability Block 448x140x140mm		6.5
154.02.01	Top or bottom Pad 1330x1330x40 (made of 2 parts)		61.2
154.02.02	Top or bottom Pad 600x600x40mm		12.5
154.03.01	Wedge Pads 400x120x130mm		4

*\*based on our load capacity test results: 5N/mm<sup>2</sup> for a short period of time and 3N/mm<sup>2</sup> for a long period of time.*



## RECOMMENDED BASE STRUCTURE AND LOAD CAPACITY

A Stability Block platform can consist of **multiple levels**. In order to create a strong and stable construction we advise to take into account the following guidelines:

### 3 blocks as the ground base, 2 blocks on top

#### Ground level

- Position 3 Stability Blocks next to each other,
- Flat surface on the ground,
- Option: use a bottom pad to add stability and load capacity.

#### Middle levels

- 2 blocks on top of the level below in a perpendicular direction,
- Position the strengthening ribs into the notches to lock the blocks in place,
- Make sure the flat surface is pointed sideways,
- Leave a gap between 2 blocks.

#### Top level

- Use the same structure as in the middle levels in a perpendicular direction.
- Make sure the flat surface is pointed up.
- Option: use a top pad to add stability and load capacity. The Wedge can help fill up any spaces between the load and the structure of blocks.



*\*based on our load capacity test results: 5N/mm<sup>2</sup> for a short period of time and 3N/mm<sup>2</sup> for a long period of time. Tests were done with a top and bottom pad.*

### 3 blocks as the ground base, 3 blocks on top

#### Ground level

- Position 3 Stability Blocks next to each other,
- Flat surface on the ground,
- Option: use a bottom pad to add stability and load capacity.

#### Middle levels

- 3 blocks on top of the level below in a perpendicular direction,
- Position the strengthening ribs into the notches to lock the blocks in place,
- Make sure the flat surface is pointed sideways.

#### Top level

- Use the same structure as the middle levels in a perpendicular direction.
- Make sure the flat surface is pointed up.
- Option: use a top pad to add stability and load capacity. The Wedge can help fill up any spaces between the load and the structure of blocks.



*\*based on our load capacity test results: 5N/mm<sup>2</sup> for a short period of time and 3N/mm<sup>2</sup> for a long period of time. Tests were done with a top and bottom pad.*

### 8 blocks as the ground base, 6 blocks on top

#### Ground level

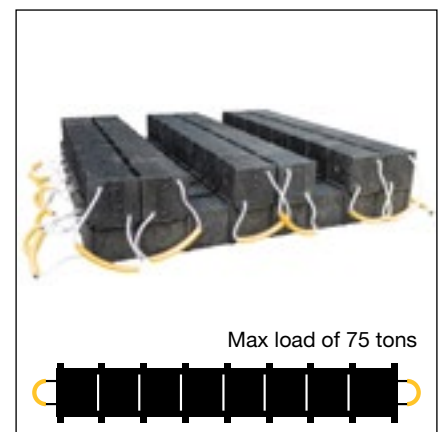
- Position 8 Stability Blocks next to each other,
- Flat surface on the ground,
- Option: use a bottom pad to add stability and load capacity.

#### Middle levels

- 6 blocks on top of the level below in a perpendicular direction,
- Position the strengthening ribs into the notches to lock the blocks in place,
- Make sure the flat surface is pointed sideways,
- Leave a gap between every 2 blocks.

#### Higher levels

- Use the same structure as in the middle levels in a perpendicular direction.
- Make sure the flat surface is pointed up.
- Option: use a top pad to add stability and load capacity. The Wedge can help fill up any spaces between the load and the structure of blocks.



*\*based on our load capacity test results: 5N/mm<sup>2</sup> for a short period of time and 3N/mm<sup>2</sup> for a long period of time. Tests were done with a top and bottom pad.*

## 8 blocks as the ground base, 8 blocks on top

### Ground level

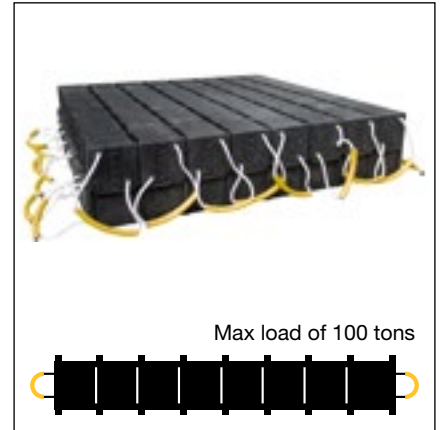
- Position 8 Stability Blocks next to each other,
- Flat surface on the ground,
- Option: use a bottom pad to add stability and load capacity.

### Middle levels

- 8 blocks on top of the level below in a perpendicular direction,
- Position the strengthening ribs into the notches to lock the blocks in place,
- Make sure the flat surface is pointed sideways.

### Higher levels

- Use the same structure as in the middle levels in a perpendicular direction.
- Make sure the flat surface is pointed up.
- Option: use a top pad to add stability and load capacity. The Wedge can help fill up any spaces between the load and the structure of blocks.



*\*based on our load capacity test results: 5N/mm<sup>2</sup> for a short period of time and 3N/mm<sup>2</sup> for a long period of time. Tests were done with a top and bottom pad.*



### Safety first!

1. To obtain stable and secure structures, identical blocks must be used on an even and hard ground.
2. Use the smooth surface as the base and as the top part of your construction.
3. The ground base of your structure should consist of a full layer of stability blocks (as seen on the pictures).
4. Use stability blocks in addition to a hydraulic jack or a cylinder to increase safety.
5. The products are not to be used for dynamic loads.
6. For a type of ground with a max. allowed burden of less than 30N/cm<sup>2</sup>, we strongly recommend using a top or bottom pad below the blocks.

## STEP BLOCK

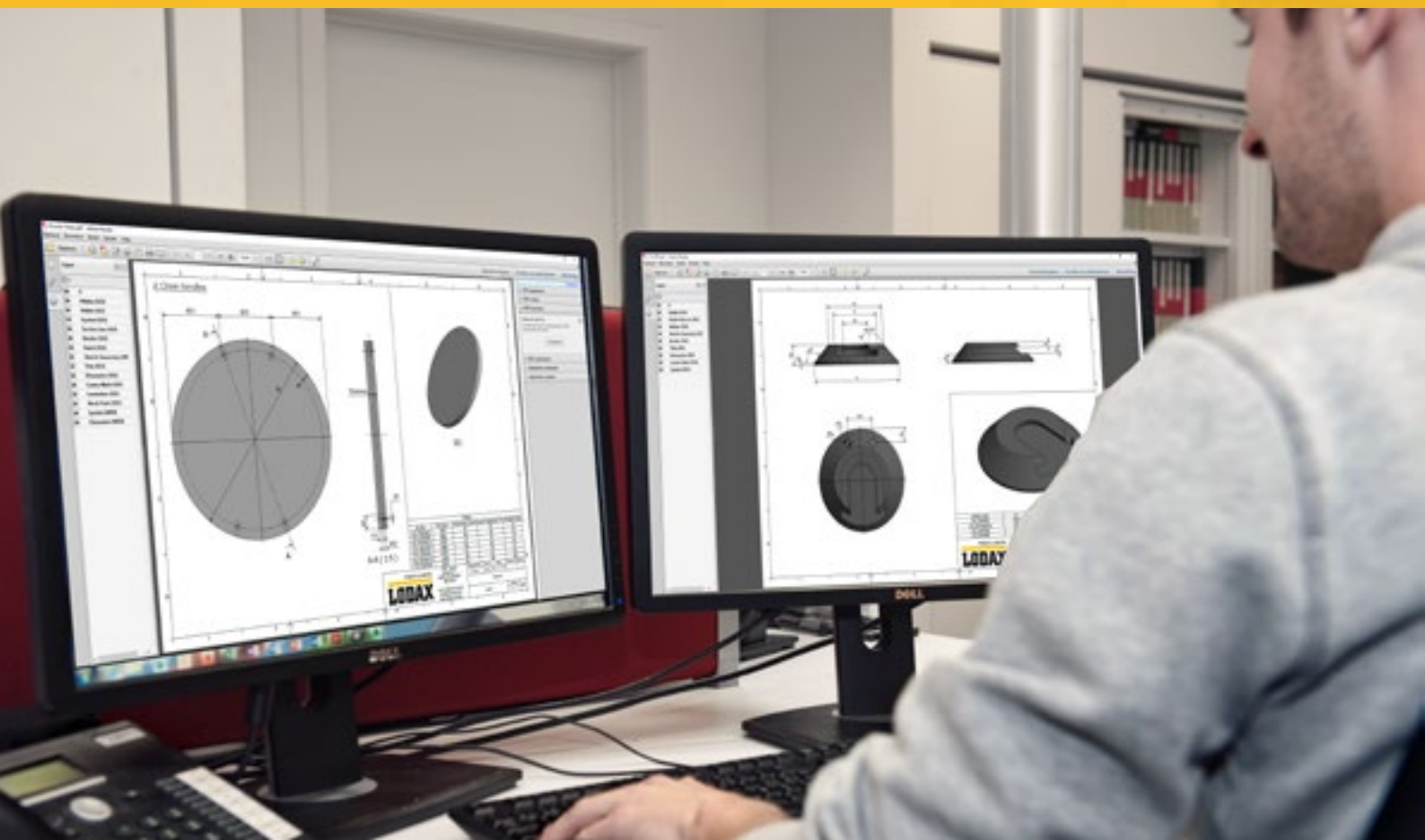
We have developed a new type of stepblock to crib, block or stabilize forklifts, scissor lifts, equipment, products etc.

The stairway-design allows you to support machines (for example the forks of a forklift) on different heights.

When equipping the metal protection frame on one of the 'steps', you are able to raise the maximum load capacity to 25T.



Code	Description	Dimensions	Load capacity <sup>1</sup> T	Weight kg
159.03.001	Step block	550x285x120mm	25 with metal profile	10.6
159.03.002	Metal profile	142x110x50mm	-	1



**“A custom-made product or a lightly adapted standard product? No problem, we are happy to help.”**

# DESIGNED ACCORDING TO YOUR NEEDS

Every situation and application has its own needs. We have an engineering department who can work out your specific request.

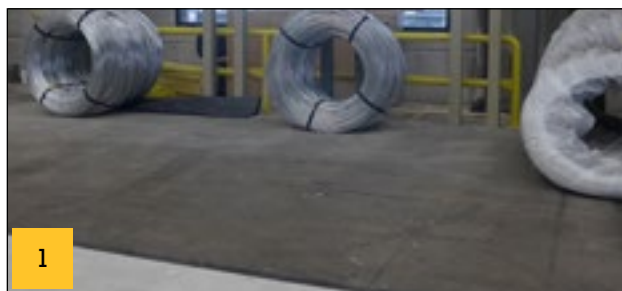
Other handles, shapes, fixing systems, drillings or an entire new product; you name it, we engineer it!

## A FEW OF OUR PROJECTS

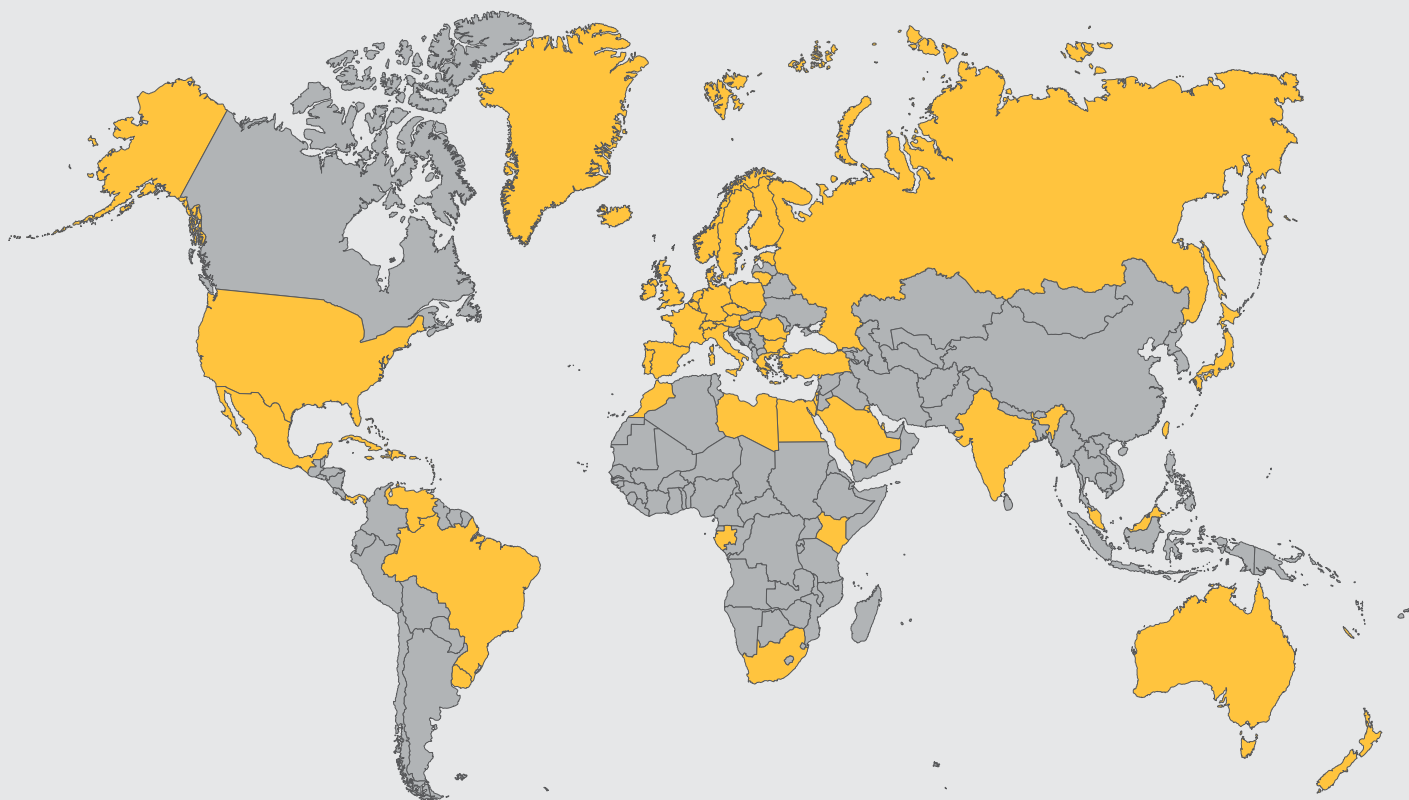
1. Platform created of custom made ground protection mats to support metal wires and protect the floor.
2. Custom made mat to support engines, pumps, ... Can also be used as a collecting tray for liquids.
3. Custom made access ramp which grants passage to any type of machine.
4. Custom made pad to support hydraulic jacks or inflatable pillows while they lift very heavy machines.
5. Custom made pads to support containers.
6. Custom made pad for hydraulic jacks provides a higher stability for a heavy truck under maintenance.

### Interested?

These are just a few of our many projects. If you have a special request, don't hesitate to contact us through [info@lodax.eu](mailto:info@lodax.eu)



# WORLDWIDE DISTRIBUTOR



## TESTIMONIALS

Willy Vandervoort  
Spare Parts & Transport Manager BLE

“In our range you will only find outrigger pads of LODAX. The reason is simple. The pads are solid, strong and fabricated with durable material.

Next to the very qualitative products, we also highly appreciate the services they offer. We always receive quick responses when asking a price or a technical question, even when it's about a custom-made product. Quite often our orders are delivered before the initial delivery terms.

We certainly recommend LODAX.”

Accessories Manager at one of the market leaders of truck-mounted cranes, tail-lifts, ...

“We have chosen LODAX as a partner for following reasons:

- Quality of the product
- Professional attitude and service of the staff
- Excellent price-quality

The quality is consistent and we haven't had a single problem concerning quality. Our logo is engraved onto the outrigger pads. This option is highly appreciated by our dealers and customers and contributes to the success of our sales.”

## OUR SALES TEAM



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Founder

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geert@lodax.eu



**Thierry Bourse**  
BU-Manager

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- Caribbean

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# OPTIONS

## PADS



151.CENTRE/PC

### Outrigger foot placement

- Extra grip thanks to the milled centre
- The outrigger foot has to be placed in the middle.
- This option is a valuable tool for an easier placement



151.99

### Chain instead of rope

- Extra strong for heavier pads, when they are lifted with machines
- higher durability than ropes



151.AS4/PC

### Anti-slip finishing on 1 or 2 sides

- Improve the grip of your machines onto the mats
- Only available for round and square outrigger pads



See page 12

### Pads Box

- Easily store your pads in one place
- Can be fixed onto any machine so pads are always close by
- Delivered with a lock to prevent theft



151.NAME/PC

### Name engraving

- Generate brand awareness
- Extra marketing tool
- Prevent theft with a personalized product

## MATS



152.AS2N

### Milled grooves

- Milled grooves for a better grip of tires and tracks
- Often used for heavy duty machinery
- Perfect to use when working on uneven terrains



152.HANDLE/PC

### Extra handles

- Each ground protection Mat is standard equipped with handles (except the Heavy Duty Mat)
- Handles makes it possible to use extra connection systems when necessary



152.AS3

### Anti-slip finishing on 1 or 2 sides

- Improves the grip of machinery and pedestrians onto the mat
- When it's rainy, mats without anti-slip finishing are very slippery



See page 22

### Mats Boxes

- Transport your mats and connectors in a custom made box
- Can be stacked on top of each other for a better use of your space during transportation or in your warehouse



152.NAME/PC

### Name engraving

- Generate brand awareness
- Extra marketing tool
- Prevent theft with a personalized product



See page 23

### Connectors

- Connection accessories for our mats to create roadways and platforms

**Not sure which option could be of use to you?**  
**Contact us for more details: [info@lodax.eu](mailto:info@lodax.eu)**

# LODAX IS ALWAYS INNOVATING

Visit [www.lodax.eu](http://www.lodax.eu) to check out our new products!

