

Nylatrack® PA Track Plates

No broken chains - no efficiency loss.



Picture courtesy of DEEPOCEAN

Less weight, less cost, more protection of the environment

Environmental protection and tracked vehicles are generally regarded as being compatible but the high ground pressure of the vehicle actually causes damage to the ground. This ground pressure, can be significantly reduced by using plastic track plates instead of the traditionally used steel plates.

Depending on the type, the Nylatrack® PA track plates of the Advanced Materials Division of Mitsubishi Chemical Group (MCG) weigh less than 80% of comparable steel plates. The pressure on the soil is much lower so that vehicles equipped with Nylatrack® PA track plates can even work on soft ground or pavement with little or no adverse effects. Slopes of up to 40% can be managed by crawler dozers equipped with Nylatrack® PA track plates depending on the type of plate and the compression of the soil.

What are your benefits?

In addition to the reduced machine weight, noise reduction is another important benefit for the machine operator. The flexibility of the plastic plates helps absorb equipment vibrations and muffles



the noise of the undercarriage. The drive chain is exposed to far less strain since the bending force is absorbed by the flexibility of the plastic track plates.

Important to know from a maintenance point of view: Nylatrack® PA track plates are highly resistant to wear and corrosion. Oils and seawater do not affect the plates. Their life in use is very long which extends the meantime between repair or replacement and helps save cost and save time.

Soil and macadam hardly stick to the Nylatrack® PA track plates which helps to prevent damage to the ground. Their overlap design ensures a clean track plate surface and avoids soil accumulation between the plates.

Key properties	Customer benefits
<ul style="list-style-type: none"> No damage of surface/ground 	<ul style="list-style-type: none"> Environmental protection
<ul style="list-style-type: none"> Low weight compared to steel 	<ul style="list-style-type: none"> Reduced machine weight = reduced fuel consumption and easy operation on marshy ground
<ul style="list-style-type: none"> Wear and corrosion resistant 	<ul style="list-style-type: none"> Long life in use saves cost and time
<ul style="list-style-type: none"> No adhesion 	<ul style="list-style-type: none"> Good grip, no cleaning effort
<ul style="list-style-type: none"> Flexible material 	<ul style="list-style-type: none"> Vibrations and noise absorption
<ul style="list-style-type: none"> Efficient production method 	<ul style="list-style-type: none"> Individual design possible, easy to machine

Various designs allow individual solutions

More than 25 standard types of track plates are available for various types of machines and surfaces. Standard Nylatrack® PA low ground-pressure plates:

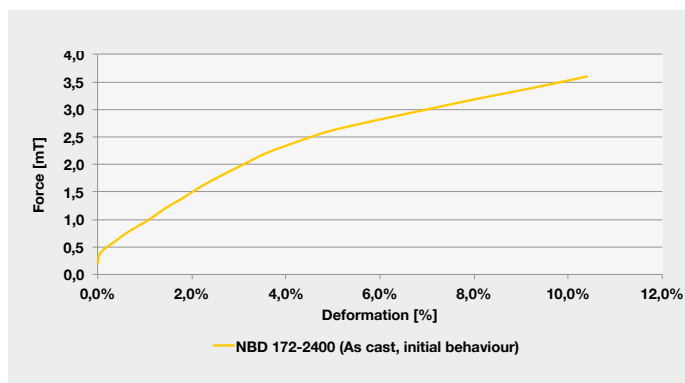
- Track plate width: 600 mm up to 1750 mm width
- Pitches: 102 to 215 mm

The standard plates are designed for vehicles with a total weight of up to 30 tons (metric).

Bespoke design

Customer specific designs are possible on demand. Successful applications have been designed and supplied up to 160 tons and 3000 mm length.

Bending Test of Nylatrack® PA Track Plates



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