

Nyrim® Track Pads Features:

- **Nyrim®** is a rubber toughened, recyclable nylon thermoplastic manufactured by Reaction Injection Molding (RIM). The stiffness/toughness combination of Nylon-6 and elastomer (rubber) gives excellent impact resistance and repetitive load (fatigue) endurance.
- **Nyrim®** track pads have been supplied to OEMs and contractors for over a decade and have gained a reputation in the marketplace for their durability.
- Use **Nyrim®** track pads on track machines from 6 to 20 tons weight working on soft ground. **Nyrim®** track pads are ideally suited for working on peat bogs and swamplands where low ground pressures and minimum ground damage are required.
- Custom made **Nyrim®** track pads for your machine: to complement our standard range of track pads we have the capability to suit your specific requirements.
- Easy installation - **Nyrim®** track pads bolt directly to the chain.
- **Nyrim®** track pads can be supplied to fit a range of chain pitches and bolt hole patterns including D2, D4, D5, D4H, B60 and FL6.
- Center offset pads can also be supplied for machines with limited undercarriage clearance.

Three Design Types

Swamp Shoe

A track pad with a flat surface in contact with the ground, and is suited to most applications. This pad is used on excavators, tracked tractors and trailers, where low ground pressure and minimum ground damage are the highest priority. Standard track pad widths available are 1.0m, 1.2m, and 1.4m.

Dozer Pad

A track pad with a traction pattern for a better grip on the ground. Designed for use on bulldozers where both low ground pressure and traction are required. Standard track pad widths available are 1.0m, 1.2m, 1.4m, and 1.6m.

V-Track Pad

A V-shaped track pad, designed for maximum traction in soft soil and wet conditions. The V-track's shape allows it to sink into the ground several inches, which will offer high traction or pushing/pulling forces. Standard track pad widths available are 1.0m and 1.2m.



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New Product: Nyrim® Low Ground Pressure Track Pads

Nyrim® track pads for low ground pressure are manufactured from a high strength industrial polymer. Installing **Nyrim®** track pads will allow machines to travel on soft ground without sinking. They will also reduce soil compaction and minimize ground damage.

Light Weight: Compared with conventional steel pads, the weight reduction on a machine can be as much as four tons. The lighter weight leads to smoother movement and acceleration of the machine and increased payload capacity. Ground pressures of 2 p.s.i. are typical, and 1.5 p.s.i. are achievable.

Strength: The flexibility or elasticity of the **Nyrim®** track pads compound allows the pads to bend and negotiate obstacles of up to 20% of their width without breaking, while maintaining their load carrying capacity. Machine vibration and track noise are also reduced considerably.

Endurance: High impact resistance is achieved even at sub-zero temperatures. Outstanding fatigue resistance and excellent wear resistance means that **Nyrim®** track pads can be used for limited distances on roads or stones.



Nyrim® Track Pads on Liebherr Excavator



Nyrim® Track Pads on Valmet 8000 Tractor

Aesthetics: The **Nyrim®** track pads material resists dirt build-up. The overlap design of the track pads cleans between the pads when the machine is in motion. There is no corrosion and the track pads retain their appearance and color even after years of exposure to the elements.

Cost: **Nyrim®** track pads are competitively priced with excellent performance. Custom sizes can be made to order. Please contact **BLS Enterprises, Inc.** for advice and a free quotation.

Nyrim® Track Pad Swamp Shoe



Up to 55"

Standard Range of Nyrim® Low Ground Pressure (LGP) Track Pads (metric)				
Pad Type	Pad Width (m)	Chain Pitch (mm)	Pad Weight (kg)	Machine Weight (tonnes)
Swamp Pad	1.1	140 and 156	4.5	6 to 8
Swamp Pad	1	156 and 171	8.0 - 8.5	8 to 16
Swamp Pad	1.2	156 and 171	9.5 - 10.0	8 to 20
Swamp Pad	1.4	156 and 171	12.0 - 13.0	8 to 20
Swamp Pad	1.6	156 and 171	15.0 - 16.0	10 to 20
V Track Pad	1	156 and 171	6.5	6 to 12
V Track Pad	1.2	156 and 171	8	6 to 12

Standard Range of Nyrim® Low Ground Pressure (LGP) Track Pads (U.S. Standard)				
Pad Type	Pad Width (in)	Chain Pitch (in)	Pad Weight (lbs)	Machine Weight (tons)
Swamp Pad	43.3	5.51 and 6.14	9.9	6.6 to 8.8
Swamp Pad	39.4	6.14 and 6.73	17.6 - 18.7	8.8 to 17.6
Swamp Pad	47.2	6.14 and 6.73	20.9 - 22.1	8.8 to 22.1
Swamp Pad	55.1	6.14 and 6.73	26.5 - 28.7	8.8 to 22.1
Swamp Pad	63.0	6.14 and 6.73	33.1 - 35.3	11.0 to 22.1
V Track Pad	39.4	6.14 and 6.73	14.3	6.6 to 13.2
V Track Pad	47.2	6.14 and 6.73	17.6	6.6 to 13.2

Nyrim® Low Ground Pressure Track Pads

Nyrim® track pads are used to decrease surface pressures for heavy equipment working in peat bogs, swampland and sensitive areas such as membrane-lined landfill sites. They are also used in rice field applications and any application requiring flotation on soft working surfaces.



Nyrim® Dozer Pad

Nyrim® Swamp Shoe

Nyrim® V-Track Pad



NYRIM® lightweight track pads withstand the heaviest repetitive loads without breakage

IMPORTANT FEATURES FOR THIS APPLICATION

Physical properties features

- Excellent toughness / resilience
- High impact strength, even at sub-zero temperatures
- High abrasion resistance
- Molded in color (black) UV stabilized

Reaction Injection Molding (RIM) design features

- Large thick parts can be molded economically
- Large surface area with low clamping tonnage

Nyrim® Track Pads Excel in Wetlands Restoration Project

In March 2005, Mr. Jim Hering of Thornton Equipment Services, Inc., of Mokena, Illinois, attended the ConExpo-Con/Agg show, looking for something special. Rounding the corner, he spotted the BLS Enterprises, Inc. exhibit booth and knew that he had found what he was after. BLS President, Barry Stoughton, explained to him the features of the NYRIM® low ground pressure track pads system, which would work perfectly with his Gradall model 2200 telescopic excavator. BLS is the exclusive North and South American distributor of these unique track pads, and when Jim got the call from general contractor, Applied Ecological Services, to use his machine in a wetlands restoration project, he knew he was going to need some special help. Jim told Barry that he would be working in a peat bog, the surface of which was extremely unstable. Jim was concerned that his Gradall telescopic excavator might sink into the watery peat and make it difficult to accomplish the job he was being hired to do.

Over 100 years ago, the people who owned the hundreds of acres of swampy land near Bartlett, Illinois, were trying different ways to render the land usable for farming. One of the methods tried was to install drain tile under the surface to carry the water away, and hopefully dry out the land for agricultural use. Unfortunately, this never worked. A century later, the land was purchased by the DuPage County Forest Preserve District. The decision was made to return the land to its original condition, which meant that the drain tile had to be removed.

Nyrim® Pads "Float" Excavator

Jim knew that he and his machine could do the job, but if he could decrease the ground pressure his machine would normally exert on the unstable surface, his job would go a lot easier and faster. Barry knew that NYRIM® track pads were exactly what Jim needed to do the restoration job. These unique track pads bolt directly to the D3 chain of the Gradall machine and allow the heavy excavator to practically "float" upon the swampy surface. Jim had nearly five miles of drain tile to find and remove, and the large surface area of the NYRIM® pads would greatly decrease the ground pressure level. The NYRIM® pads make it much easier to maneuver the machine, and the surface of the land would not be torn up by the steel track of the excavator.

The NYRIM® track pads are made from a high-strength industrial polymer material and are available in widths up to fifty-five inches. "Flotation", or the ability of a heavy machine to operate on a soft surface without sinking, is greatly increased by the use of NYRIM® pads, and ground pressures as low as 1.5 pounds per square inch can be achieved. This allows a machine as heavy as 40,000 pounds to be used in soft areas like peat moss, swamps, tundra, rice fields, wetlands, membrane-covered landfill sites or even cranberry fields. There is also a large savings in weight, because the polymer material weighs only one-sixth that of steel tracks, it is non-corrosive and will withstand heavy loads without breaking.

Jim finished his wetlands restoration project in August 2005, and, when asked to report on the performance of the NYRIM® pads, said, "I suspected that the NYRIM® track pads were going to make my life a lot easier on this difficult job, and I was very happy with the end result. They are a great product and I heartily recommend them to anyone who needs to take a large machine into a situation where the surface is very unstable". Jim Hering knew that he had made the right decision, and BLS Enterprises was there, once again, with the right product for its customer at the critical time.



Mr. Jim Hering of Thornton Equipment Services, Inc. Using Gradall 2200 with Nyrim® Track Pads Removing Drain Tile.



Under the surface is water making land very unstable.