

The horseshoe is one of the few things in our life which has not been changed essentially since its invention 1700 years ago neither in its design nor its material – not because it's so perfect but because of no other alternative. Modern synthetic materials are replacing nowadays more and more traditional ones, like wood, steel, leather, cotton, etc. For the **easywalker** a special kind of polyurethane has been developed in order to achieve enough support and protection for the hoof and to ensure the natural flexibility of the hoof capsule and therefore to protect the whole extremities of the horse from over stress.

The philosophy of modern sports shoes for man gave us that idea.

## easywalker – the sports shoe for horses

### Flexibility of the easywalker

The hoof capsule is a surprisingly flexible bio-mechanical structure. New research has shown that the palmar region of the hoof capsule can move up to 1/2-3/4 of an inch in tight turns or to compensate for uneven terrain. While correct shoeing techniques already compensate for the horizontal expansion of the hoof capsule in the loading phase, metal shoes will completely eliminate the vertical compensatory function of the hoof capsule. Thanks to the flexible polymer material, **easywalker** will not compromise this vital flexibility of the hoof capsule. Coffin bone, short and long pastern bone links are saddle links which can move forward and backward but only very limited sideward. If the heels can not flex because the horse is shod with steel shoes the whole hoof has to tilt on uneven ground creating high load in the links which causes over the time Arthritis and Arthrose. Thanks to the flexibility of the **easywalker** the natural flexibility hoof remains, the links are protected and the horse will have no pain!



### Weight advantage of the easywalker

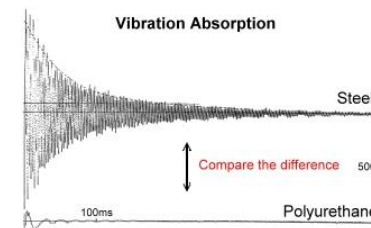
The centrifugal forces working on the horse's musculoskeletal system at a gallop are immense. A few extra ounces will translate into many pounds of additional stress on the muscles, tendons and bones. The **easywalker** shoes weigh about half of a conventional metal shoe. Light weight = lower mass forces = lower stress to joints, tendons and ligaments. To show the advantages we have calculated the additional work that a horse has to perform in trot when shod with steel shoes compared to **easywalkers**!

Weight of a steel shoe 300 g, **easywalker** 130 g, difference 170g for one shoe! In an average trot a horse makes with each leg app. 60 steps per minute, which makes (170 x 60 = 10.200 g) 10,2 kg/min.

In 10 minutes trot a horse with steel shoe has to perform an extra work of **4 x 10,2 x 10 = 408 kg!!**

**Release your horse from needless stress - buy him easywalker!**

### Vibrations dampening of the easywalker



On hard surfaces metal shoes produce high frequency vibrations which severely affect the sensitive laminae and cause temporary lameness. This is especially pronounced in draft horses and others operating on

pavement and concrete surfaces. Comparing a horseshoe made from Easywalker's special polymer to one made from steel, the **easywalker** horseshoe produces ZERO vibrations when moving on hard surfaces, therefore preventing lameness caused by these destructive vibrations. The graph above shows the vibration frequencies and amplitude produced by steel shoes compared to that of the polyurethane material of the **easywalker**. The vertical dimension of the curve (amplitude) is the energy of the vibration, the horizontal dimension is the duration of the vibration. One can see that the vibration frequency and amplitude of the **easywalker** is virtually ZERO compared to that of a steel shoe.

The **BASE (1)** is made out of special polyurethane, developed exclusively for his application. The strong and durable yet highly elastic polymer material will absorb impact and vibration with minimal interference of the complex bio-dynamics of the hoof capsule.

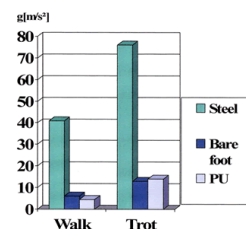
The **MINI HEARTBAR (2)** offers great protection of the frog, while at the same time improving the blood circulation and stimulating hoof growth. Constant frog support can improve proprioception and thereby help the horse's gaits.

The **ANTI-SHOCK ELEMENTS (3)** further eliminate shock and vibration, especially on hard surfaces like concrete or asphalt. The **easywalkers** dampen shock and vibration as opposed to metal shoes which tremendously increase shock and vibration.

The patented **NAIL HOLES (4)** provide maximum grip for the nail heads (use E or E slim nails), while the three pre-set nail slots provide for safe and consistent nailing. Every nail can be set perfectly into the white line.

The patented **ADJUSTABLE CLIPS (5)** reduce shearing forces on the nails and help to stabilize the foot, which relieves excess stress in the hoof capsule.

### Shock absorption of the easywalker



Lameness, Arthrose & Arthritis are caused by shock to the horses legs, hoofs, and joints. The unique composite construction of the **easywalker** provides shock absorption, where as metal shoes actually amplify the shock, even when applied with a pad. The highly elastic, yet wear resistant anti-shock

elements, in combination with the special polymer material provides the ultimate in shock dampening and comfort for the horse and an effective preventive for Lameness, Arthrose & Arthritis. The graph above shows the extent of the impact shock when the hoof contacts the ground, in walk and trot, for steelshod, barefoot and PU shoes (PU = polyurethane the material of the **easywalker**). Check that the shock of the steel shod hoof is almost 6 times higher than barefoot and 7 times higher than with **easywalker**, with the **ew** shock absorbant material!

The **easywalker** comes presently in five sizes from 110 – 150 mm width and in a common shape for front and back hind.

## Comments from easywalker customers

A lot of my customers are now interested in **easywalker**, it's a great new product and I'm happy to work with it!

Elleieke Fransen - Farrier/Netherlands

I wasn't surprised when he moved better, I wasn't surprised when he jumped better and I wasn't even surprised when he stopped bruising his heels, but I was however surprised when he gained 3 degrees of nice heel growth and also thicker stronger hoof walls after only two shoeings.

Curt de Angelis – Farrier/USA

This shoe answered many of the questions I am faced with in my practice. After orthopaedically trimming the hoof I can now apply the **easywalker** shoe in confidence that I am not compromising the flexibility and biomechanical function of the hoof.

Darrel Clifford – Farrier/Australia

Over all the **easywalker** is the first synthetic horseshoe which is really suitable for all kind of performance sports.

Eberhard Reininger – Vet and Show Jumper/Germany

But they see that the **easywalker** is a very reliable shoe and last but not least a superior replacement for the traditional iron shoes!!!

Erna van Oosterwyck – Dressage Champion/Netherlands

The **easywalker** is an outstanding horseshoe which has been tested for more than two months now by the most important horses in our team and has won gold medals, among others with my own horse (Bridge).

Col. Oscar Codou – Military Dressage  
World Champion 2002/Chile

This year since using **easywalker** horseshoes my horse Mr. Innocent has won and placed in many grand prix and as winner of Australian Pacific League. The ultimate advantage! I tell people try running a 100m sprint in steel cap boots and then in a pair of Nike Air you will feel the difference!

Tim Amitrano – Olympic Show Jumper/Australia

Going back to iron shoes would be like putting iron wheels on a sportscar.

Judy Rochon – Reining rider/USA

The **easywalker** improved the gaits and movements of one of my top horses dramatically.

Harald Riedl – Austrian eventing champion, participated at the WEG2002 on **easywalker**

Our first international competition, Fasna trail 2005 over 90 km's, we ended second (first Dutch combination!) Coming year we will use the **easywalker** again, and as a lot of people know Monty, I am sure a lot of my 'colleagues' will follow; ..... and I, I am happy for their horses!

Els van der Meulen – Endurance rider/Netherlands

Find more on our Homepage [www.easywalker.at](http://www.easywalker.at)



ew Standard

ew+ with pad

ew classic



Studs and Thread Inserts



ew in show jumping

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**easywalker** the sports shoe for horses

