



MANUAL

DYNAMIC CLUBFOOT ORTHOSIS

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USER



PRODUCT INFORMATION



PROFESSIONAL

DYNAMIC CLUBFOOT ORTHOSIS USER INFORMATION

The DYNCO is a splint for the treatment of clubfeet.

WHEN A DYNCO?

The DYNCO is designed for children with a congenital clubfoot. Characteristic for the clubfoot is that the foot is turned inside or is tilted down in the shape of a golf club. As shown below.



Figure 1: A Clubfoot

CAUSES CLUBFEET

The clubfoot is a congenital foot disorder and occurs in about 1 in 800 newborns. The cause of clubfeet is not entirely clear yet. Heredity factors likely play a role. Clubfeet affects boys nearly twice as often as girls.

THE DYNCO

The DYNCO (a acronym for **DY**Namic **Cl**ubfoot **O**rthosis) establishes a dynamic link between the two feet. The feet can move independently of each other, while a cleverly designed polyurethane spring causes the required correction forces on the ankle-foot complex in resting position. This increases the mobility of the child, which makes crawling and later a few steps possible.

This will have a positive contribution to development of motor skills of the child. The resilient correction system will, in resting position, put tension on the required structures in the ankle and foot, so that time can do its work in order to achieve maximum correction.

Also as a night splint the DYNCO is a lot more comfortable. Due to the large freedom of movement of the DYNCO, blanket battles are history.



Figure 2: The DYNCO

TREATMENT IS NECESSARY

It is important that the treatment of the club foot is started as soon as possible after birth. The DYNCO is designed according Ponseti's treatment method.

DYNCO SHOES

The DYNCO can be combined with both Markell shoes and Semeda shoes.

WHY SEVERAL SIZES?

The DYNCO is available in four ascending sizes. As the baby grows, a bigger size is needed in three steps. This is because for best results, feet should be turned outside, and lined up at approximately shoulder width. In addition, the muscles of the child are also becoming stronger and the DYNCO springs must be adapted accordingly. Therefore, four different DYNCO's are available:

MORE INFORMATION

If you want more information about the DYNCO, call us today on +31 (0)53 430 28 36 or email us at info@ambroise.nl.

DYNAMIC CLUBFOOT ORTHOSIS

PRODUCT INFORMATION

DYNCO VERSIONS

The DYNCO is available in 4 sizes, where the size code is a guideline for the age of the child in months.

ITEM NUMBERS

DYNKO 0-4 months:	350000	140
DYNKO 4-10 months:	350001	160
DYNKO 10-16 months:	350002	200
DYNKO 16+ months:	350003	240

centre-to-centre heel at
70 degrees external rotation

MAINTENANCE DYNCO

The DYNCO can be cleaned with a damp cloth.

REPLACEMENT OF SPARE PARTS

It may occur that parts of the orthosis need to be replaced. Of course you can order these from us. Please contact us and we will send a replacement part.

Order the consecutive DYNCO size about 2 weeks in advance when required.



Figure 3: The DYNCO, top view

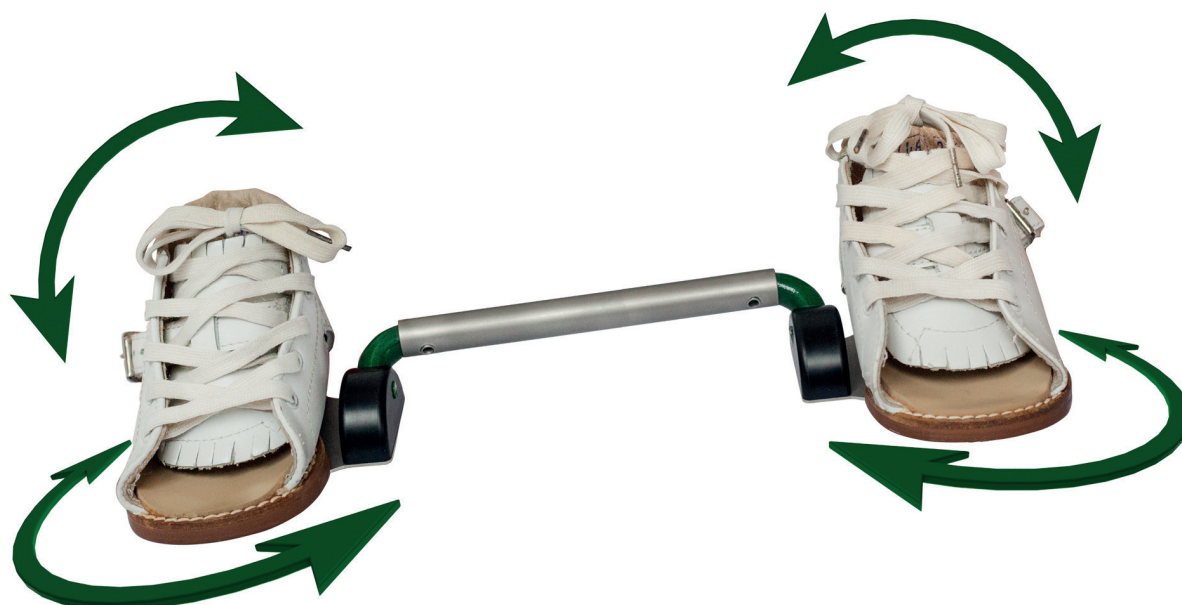


Figure 4: The DYNCO

DYNAMIC CLUBFOOT ORTHOSIS INFORMATION FOR THE PROFESSIONAL

PRODUCT PACKAGE

1. Foam sole
2. Rubber sole
3. button head screw with flange (M6 x 6)
4. button head screw with flange (M6 x 10)
5. Filling plate
6. DYNCO frame

FITTING MANUAL

1. Mount the shoes to the DYNCO frame.
2. When using the **Markell shoes**, mount them with the short button head screws without the filling plate.
3. When using the **Semeda schoenen** first insert the filling plate in into the recess of the sole and then mount the DYNCO with the large button head screws.
4. Glue the foam sole and the rubber sole underneath the shoe and finish off the edges around the shoes.



Figure 5: Mounted shoe to the foot plate.



6. DYNCO frame without the shoes



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