

Orthotics Catalog 2021





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◆ Teufel. Makes a Difference.

Ever since its foundation in 1862 in Stuttgart, Teufel has stood for high product quality without compromise, striving to offer the best solution possible for every user.

Over the course of more than 150 years, therapies, techniques and materials have been changed and refined.

What has not changed are our standards: Each of our products and services serves the goal of regaining, preserving, and improving the quality of life for the user.

In all four areas of our business, prosthetics, orthotics, c-fab and materials, this is the goal we strive to reach for you, every day.



Prosthetics

Prosthetic components for all activity levels, within a large portfolio.



Orthotics

Orthotic solutions, from head to toe, offering maximum treatment safety.



Materials

A wide selection of raw materials for all orthopedic applications.



WILHELM JULIUS TEUFEL GmbH

The company headquarters in
 73117 Wangen



C-Fab

C-fab, geared to individual requirements, both for prosthetics and orthotics.

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Ankle-Foot Orthoses

Return-to-Walk P and P/Plus
Return-to-Walk A
Return-to-Walk Step-on 100
Dorsalex® Orthoses
AFO Blank, Made of Ortholen®
UFO I
UFO III



Ankle-Foot Orthoses					
					
	Return-to-Walk P	Return-to-Walk P/Plus	Return-to-Walk A	Step-on 100 medial	Step-on 100 lateral
	Page 8	Page 8	Page 9	Page 10	Page 10
Product Features					
Anterior Upright			•		
Calf Brace	•	•		•	•
Lateral Frame			•		•
Medial Frame	•	•		•	
Bilateral Frame					
Special Feature	Carbon Fiber of Medium Stiffness, Adjustable Sole	Carbon Fiber of High Stiffness, Adjustable Sole	Carbon Fiber of High Stiffness, Adjustable Sole, Anterior Upright with Air Chamber Padding	Monocentric Joint, Thermoformable	Monocentric Joint, Thermoformable
Primary Indication					
Moderate Drop Foot	•	•	•	•	•
Peroneal Paralysis without Spasticity	•	•	•	•	•
Peroneal Paralysis with Spasticity	•	•	•	•	•
Follow-Up Treatment of Stroke	•	•	•	•	•
Hemiplegia	•	•	•	•	•
Poliomyelitis	•	•	•	•	•
Application Parameters					
Low to Average Load and Activity	•		•	•	•
Average to High Load and Activity	•	•	•		
Short-Term to Medium-Term Use	•	•	•	•	•
Medium-Term to Long-Term Use	•	•	•	•	•
Regeneration can be Expected				•	•
Permanent Use is Expected	•	•	•	•	•

Ankle-Foot Orthoses				
				
	Dorsalex® Orthoses	AFO Blank	UFO I Orthoses	UFO III Orthoses
	Page 11	Page 13	Page 16	Page 20
Product Features				
Anterior Upright				
Calf Brace	•	•	•	•
Unilateral Frame			•	•
Bilateral Frame	•	•		
Pre-Assembled				
Assembly Kit, Individual Configuration		•	•	•
Special Feature	Various Stiffnesses	Can Be Shaped Individually by Grinding, Very Impact Resistant and Resilient	Joint with Adjustable Spiral Spring	Joint with Adjustable Spiral Spring
Primary Indication				
Moderate Drop Foot	•			
Peroneal Paralysis without Spasticity	•	•	•	•
Peroneal Paralysis with Spasticity				•
Follow-Up Treatment of Stroke	•	•	•	•
Hemiplegia			•	•
Poliomyelitis			•	•
Application Parameters				
Low to Average Load and Activity	•		•	
Average to High Load and Activity		•		•
Short-Term to Medium-Term Use	•		•	
Medium-Term to Long-Term Use		•		•
Regeneration can be Expected	•			
Permanent Use is Expected		•		•



◆ Return-to-Walk P and P/Plus

Prepreg carbon orthosis with medial frame and calf brace for patients with peroneal paresis. The orthosis is available in two stiffnesses, which allows you to consider the patient's activity when selecting the matching orthosis:

- Low activity - Version P is recommended
- High activity - Version P/Plus is recommended

The weight limit for both orthoses is 100 kg.

Indications

- Moderate drop foot
- Peroneal paralysis without spasticity
- Peroneal paralysis with spasticity
- Follow-up treatment of stroke
- Hemiplegia
- Poliomyelitis

Application Parameters

- Low to high load and activity
- Medium-term to long-term use

Design

Sole geometry with 10mm heel height and moderate spring. The carbon sole is embedded in a flexible exterior material, which makes it possible to trim and adjust the edge with a pair of scissors. The orthosis comes with a calf pad and an ankle pad.



Return-to-Walk P, Medium Stiffness

REF Left	REF Right	Size	Shoe Size	Calf Height/cm	Weight Limit/kg
22.390.302.00	22.390.402.00	S	35 - 37.5	35	100
22.390.303.00	22.390.403.00	M	38 - 41	36	100
22.390.304.00	22.390.404.00	L	42 - 45	37	100
22.390.305.00	22.390.405.00	XL	45 - 48.5	37	100

Return-to-Walk P/Plus, High Stiffness

REF Left	REF Right	Size	Shoe Size	Calf Height/cm	Weight Limit/kg
22.390.502.00	22.390.602.00	S	35 - 37.5	35	100
22.390.503.00	22.390.603.00	M	38 - 41	36	100
22.390.504.00	22.390.604.00	L	42 - 45	37	100
22.390.505.00	22.390.605.00	XL	45 - 48.5	37	100

Optional Accessories

REF	Product
22.390.302.99	Return-to-Walk P Pad&Strap Kit



◆ Return-to-Walk A

Prepreg carbon orthosis with lateral frame and anterior brace for patients with peroneal paresis.

The anterior brace stabilizes the knee throughout the gait cycle. This makes the orthosis especially suitable if drop foot is accompanied by an instability of the knee joint.

The weight limit is 100 kg.

Indications

- Moderate drop foot
- Peroneal paralysis without spasticity
- Peroneal paralysis with spasticity
- Follow-up treatment of stroke
- Hemiplegia
- Poliomyelitis

Application Parameters

- Low to high load and activity
- Medium-term to long-term use



Design

Sole geometry with 10 mm heel height and moderate spring. The carbon sole is embedded in a flexible exterior material, which makes it possible to trim and adjust the edge with a pair of scissors.

The orthosis comes with a tibia pad with an air chamber system. It perfectly adjusts to the patient's tibia anatomy. Thanks to the corresponding air chambers the pad reacts to changing pressure when the patient is moving and prevents pressure peaks.

Return-to-Walk A

REF Left	REF Right	Size	Shoe Size	Orthosis Height	Weight Limit/kg
22.390.312.00	22.390.412.00	S	35 - 37.5	35	100
22.390.313.00	22.390.413.00	M	38 - 41	36	100
22.390.314.00	22.390.414.00	L	42 - 45	37	100
22.390.315.00	22.390.415.00	XL	45 - 48.5	37	100

Optional Accessories

REF	Product
22.390.950.00	Return-to-Walk A Pad&Strap Kit S-M
22.390.950.01	Return-to-Walk A Pad&Strap Kit L-XL



◆ Return-to-Walk Step-on 100

AFO with monocentric joint. The Return-to-Walk Step-on 100 actively supports the joint's movement.

The force of the supporting spring can be adjusted individually and continuously. The 3/4-length sole can be thermoformed.

The Step-On 100 is available with a medial or lateral frame design.

The orthosis features a calf brace as a posterior upright, and an additional ankle strap. The ankle strap makes it possible to optimize the fit of the orthoses, e.g. for patients with peroneal paralysis with spasticity.

The weight limit of the Step-On 100 is 100 kg.

Indications

- Moderate drop foot
- Peroneal paralysis without spasticity
- Peroneal paralysis with spasticity
- Follow-up treatment of stroke
- Hemiplegia
- Poliomyelitis

Application Parameters

- Little to average load and activity
- Short-term to medium-term use



Return-to-Walk Step-On 100, Medial

REF Left	REF Right	Size	Shoe Size	Weight Limit/kg
22.390.700.02	22.390.700.12	S - M	35 - 40	100
22.390.700.03	22.390.700.13	L - XL	41 - 46	100

Return-to-Walk Step-On 100, Lateral

REF Left	REF Right	Size	Shoe Size	Weight Limit/kg
22.390.800.02	22.390.800.12	S - M	35 - 40	100
22.390.800.03	22.390.800.13	L - XL	41 - 46	100

Optional Accessories

REF	Product
22.390.700.97	RtW Step-on100 Replacement Part Kit
22.390.700.98	RtW Step-on100 Spare Pad&Strap Kit Lt
22.390.700.99	RtW Step-on100 Spare Pad&Strap Kit Rt



◆ Dorsalex® Orthoses

Dorsalex Orthoses are a fast, light and unobtrusive peroneal treatment option. The orthosis encompasses the upper ankle joint with its bilateral frame. Its defined flexibility results in a harmonious gait pattern. Dorsalex Orthoses from Teufel come pre-assembled for quick application. They are available in different material stiffnesses and in different sizes.

Indications

- Moderate drop foot
- Peroneal paralysis without spasticity
- Follow-up treatment of stroke

Application Parameters

- Little to average load and activity
- Short-term to medium-term use
- Possible regeneration is expected



Dorsalex®, Made of Polypropylene

With Plastazote calf pad, basic version.

REF Left	REF Right	Shoe Size	Height /cm	Heel Width/cm
21.128.100.00	21.128.200.00	35 - 39	27.5	6
21.129.100.00	21.129.200.00	38 - 45	29.5	7.5



Dorsalex® XL, Made of Polypropylene

With Plastazote calf pad, extra tall version.

REF Left	REF Right	Shoe Size	Height /cm	Heel Width/cm
21.846.100.00	21.846.200.00	38 - 45	39	8



Dorsalex® Plus, Made of Polypropylene

With soft, replaceable textile calf pad.

REF Left	REF Right	Shoe Size	Height/cm	Heel Width/cm
21.985.100.00	21.985.200.00	35 - 39	27.5	6
21.986.100.00	21.986.200.00	38 - 45	29.5	7.5

Optional Accessories

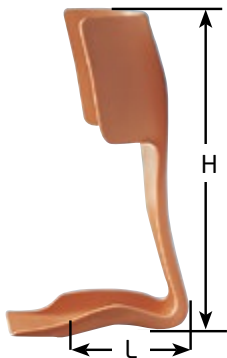
REF	Product
21.893.300.00	Dorsalex Plus AFO Calf Pad

Dorsalex® Forte, Made of Polypropylene

Stiffer version, available in four sizes. With soft fabric calf pad.

REF Left	REF Right	Shoe Size	Height/cm	Heel Width/cm
22.380.101.00	22.380.201.00	35 - 37	29	6
22.380.102.00	22.380.202.00	37 - 39	31	6
22.380.103.00	22.380.203.00	39 - 41	34	7
22.380.104.00	22.380.204.00	41 - 44	39	7

◆ AFO Blank, Made of Ortholen®



The AFO blank is made of extremely impact resistant Ortholen. The height of the calf brace and the shape of the orthosis can largely be determined by the orthopedic technician.

AFO Blank, Made of Ortholen®

REF Left	REF Right	Shoe Size	Length	Height/ mm
20.527.129.00	20.527.229.00	29 - 32	130	380
20.527.133.00	20.527.233.00	33 - 36	150	410
20.527.137.00	20.527.237.00	37 - 41	170	410
20.527.142.00	20.527.242.00	42 - 45	190	450



• UFO - AFOs

Assembly Set for Custom Orthoses

UFO is an assembly set for building custom AFOs. The main element is the adjustable spiral spring, which actively supports the foot flexors. All elements are individually adjustable.

The UFO is available in two versions and for different processing methods.

Indications

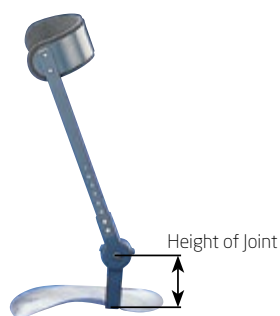
- Peroneal paralysis without spasticity
- Peroneal paralysis with spasticity
- Follow-up treatment after stroke
- Hemiplegia
- Poliomyelitis

Application Parameters

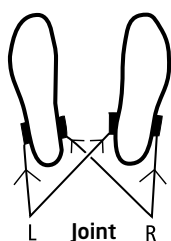
- Average or higher load and activity
- Medium-term to long-term use
- Expected regeneration or long-term use of orthosis

Versions and Features of the UFO Orthoses

Orthosis Type	Application Period	Load Capacity	Version "Shoe Insert"	Version "Valens"	Version for Lamination ("Y-Shaped")
UFO Typ I	Medium-Term	Medium	•	•	
UFO Typ III	Medium- to Long-Term	High	•	•	•



Example of use with shoe insert.



Spiral spring REF left: for left foot lateral, for right foot medial.

Spiral spring REF right: for right foot lateral, for left foot medial.



Technician's Tip:

Measuring the Required Joint Height

Use the axis of the ankle joint as the starting point for measuring, i.e. start where the tip of the medial malleolus meets the thickest part of the maleolus lateralis.

Measure the distance from this point to the ground (without shoe).

◆ UFO I

• Version "Shoe Insert"

Scope of delivery of assembly set: joint with spring, bar, calf band with pad, different rivets for assembly. Color: anthracite, no shoe insert included.

Joint Height 75 mm, with Stop, to Limit Plantar Flexion

REF Left	REF Right	Size
21.493.101.00	21.493.201.00	1
21.493.102.00	21.493.202.00	2
21.493.103.00	21.493.203.00	3
21.493.104.00	21.493.204.00	4

Joint Height 85 mm, with Stop, to Limit Plantar Flexion

REF Left	REF Right	Size
21.536.101.00	21.536.201.00	1
21.536.102.00	21.536.202.00	2
21.536.103.00	21.536.203.00	3
21.536.104.00	21.536.204.00	4

Joint Height 75 mm, without Stop

REF Left	REF Right	Size
21.496.101.00	21.496.201.00	1
21.496.102.00	21.496.202.00	2
21.496.103.00	21.496.203.00	3
21.496.104.00	21.496.204.00	4

Join Height 85 mm, without Stop

REF Left	REF Right	Size
21.539.101.00	21.539.201.00	1
21.539.102.00	21.539.202.00	2
21.539.103.00	21.539.203.00	3
21.539.104.00	21.539.204.00	4



Example of use with shoe.

• Version "Valens"

Scope of delivery of assembly set: joint with spring, bar, calf band with pad, different rivets for assembly. Color: anthrazite, no shoe plate or shoe included.

Version "Valens", Medial Bar, with Stop, for External Installation on Shoe, Complete

REF Left	REF Right	Size
21.590.101.00	21.590.201.00	1
21.590.102.00	21.590.202.00	2
21.590.103.00	21.590.203.00	3
21.590.104.00	21.590.204.00	4

Version "Valens", Medial Bar, without Stop, for External Installation on Shoe, Complete

REF Left	REF Right	Size
21.593.101.00	21.593.201.00	1
21.593.102.00	21.593.202.00	2
21.593.103.00	21.593.203.00	3
21.593.104.00	21.593.204.00	4

Aluminum Shoe Insert

Shoe insert for UFO Orthoses.



REF Left	REF Right	Shoe Size
21.594.138.00	21.594.238.00	38
21.594.140.00	21.594.240.00	40
21.594.142.00	21.594.242.00	42
21.594.144.00	21.594.244.00	44
21.594.146.00	21.594.246.00	46

Shoe Plate

For the external installation of UFO "Valens" on the sole of a shoe.



REF	Version
21.586.001.00	Left / Right



Lateral Malleolar Strap Kit

Set consisting of strap closure, padded malleolus cover and accessories for assembly.

REF	Version
21.587.000.00	Left / Right



Complete Joint, for Application with Shoe Insert

REF Left	REF Right	Height/cm	Version
21.533.175.00	21.533.275.00	75	With Stop
21.533.185.00	21.533.285.00	85	With Stop
21.532.175.00	21.532.275.00	75	Without Stop
21.532.185.00	21.532.285.00	85	Without Stop



Complete Joint, Version "Valens"

REF Left	REF Right	Version
21.614.100.00	21.614.200.00	With Stop
21.617.100.00	21.617.200.00	Without Stop

Top Bar

Complete assembly set, consisting of: calf band, calf pad, adhesive film, bar (length: 260 mm) and countersunk rivets, suitable for UFO Type I.



REF	Size
21.525.001.00	1
21.525.002.00	2
21.525.003.00	3
21.525.004.00	4

Top Part of Joint

Suitable for all UFOs Type I, ready for assembly, with sliding disk REF 21.634.035.00.



Pictured: Left Top Part of Joint (for Medial Use)

REF Left	REF Right	Version
21.980.100.00	21.980.200.00	With Stop
21.979.100.00	21.979.200.00	Without Stop



Flexion Stop

For Top Part of Joint REF 21.979.100.00 / 21.979.200.00 including screw.

REF
21.522.100.00



Bottom Part of Joint

For connecting a metal insert, 75 mm or 85 mm high, ready for assembly with sliding disk REF 21.634.040.00.

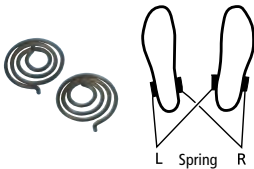
REF Left	REF Right	Flexion Stop
21.981.175.00	21.981.275.00	75
21.981.185.00	21.981.285.00	85



Bottom Part of Joint for Version "Valens"

For installation on a shoe with integrated shoe plate. Ready for assembly, with sliding disk REF 21.634.040.00.

REF Left	REF Right
21.982.100.00	21.982.200.00



Spiral spring REF left: for left foot lateral or for right foot medial.

Spiral spring REF right: for right foot lateral or for left foot medial.

Spiral Spring Set

Set consisting of spiral spring type I, shield and sliding disk, Hesse screw with washer.

REF Left	REF Right
21.523.125.00	21.523.225.00



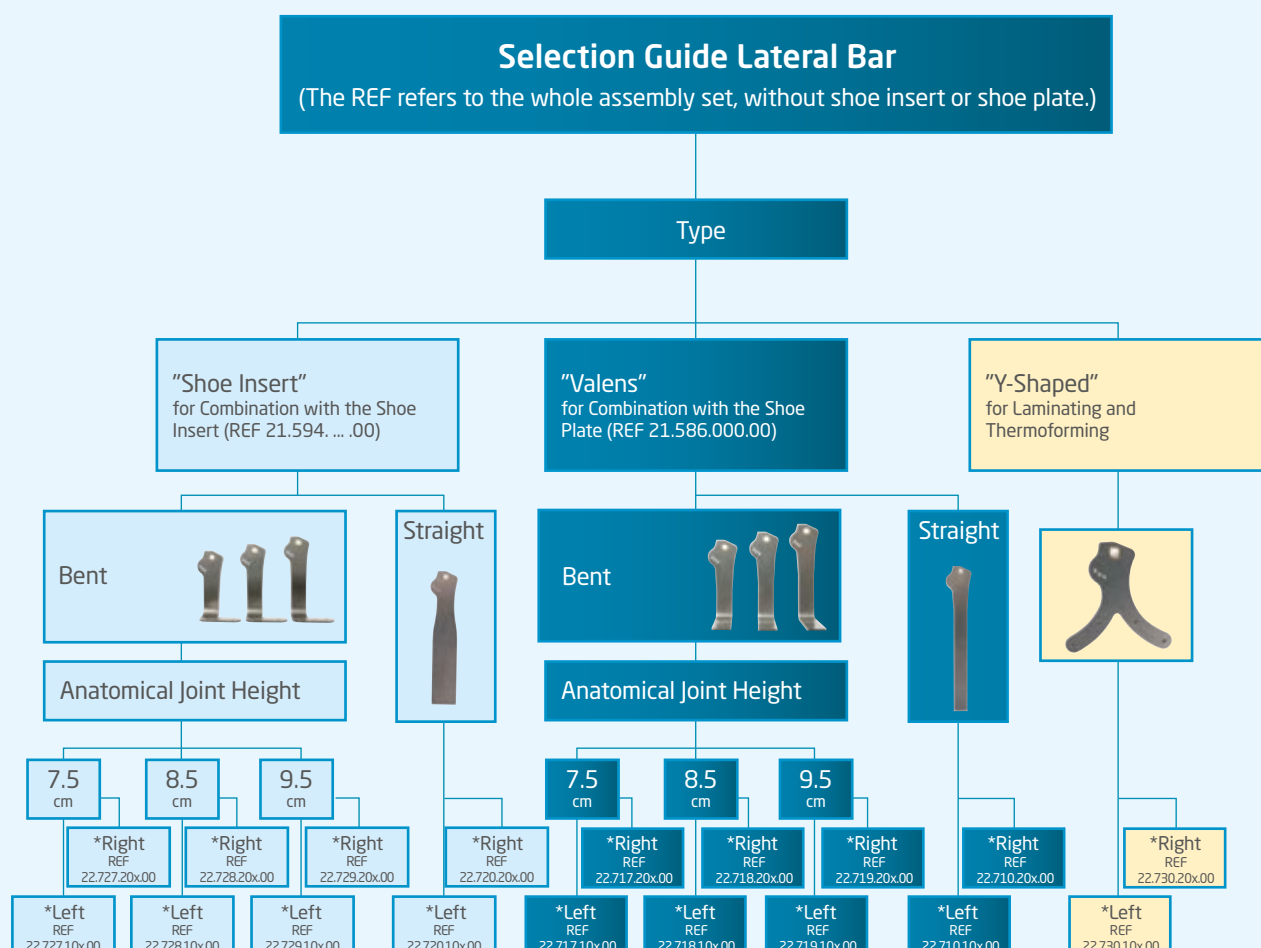
Top Bar

Including four countersunk rivets 3x8 mm.

REF	Version	Length/mm
21.582.261.00	Standard	260
21.582.311.00	Long	310
21.582.361.00	Long	360

◆ UFO III

The selection guide below will help you choose and order the correct UFO III assembly set. The selection guide first differentiates between the UFO III design with a lateral bar, and the design with a medial bar. After that, you can choose from the three available types "Shoe Insert", "Valens" and "Y-Shaped". Now, just follow the given design-parameters, and



In this example,
size 4 was selected.

The complete REF is:
22.827.10**4**.00

Size Selection

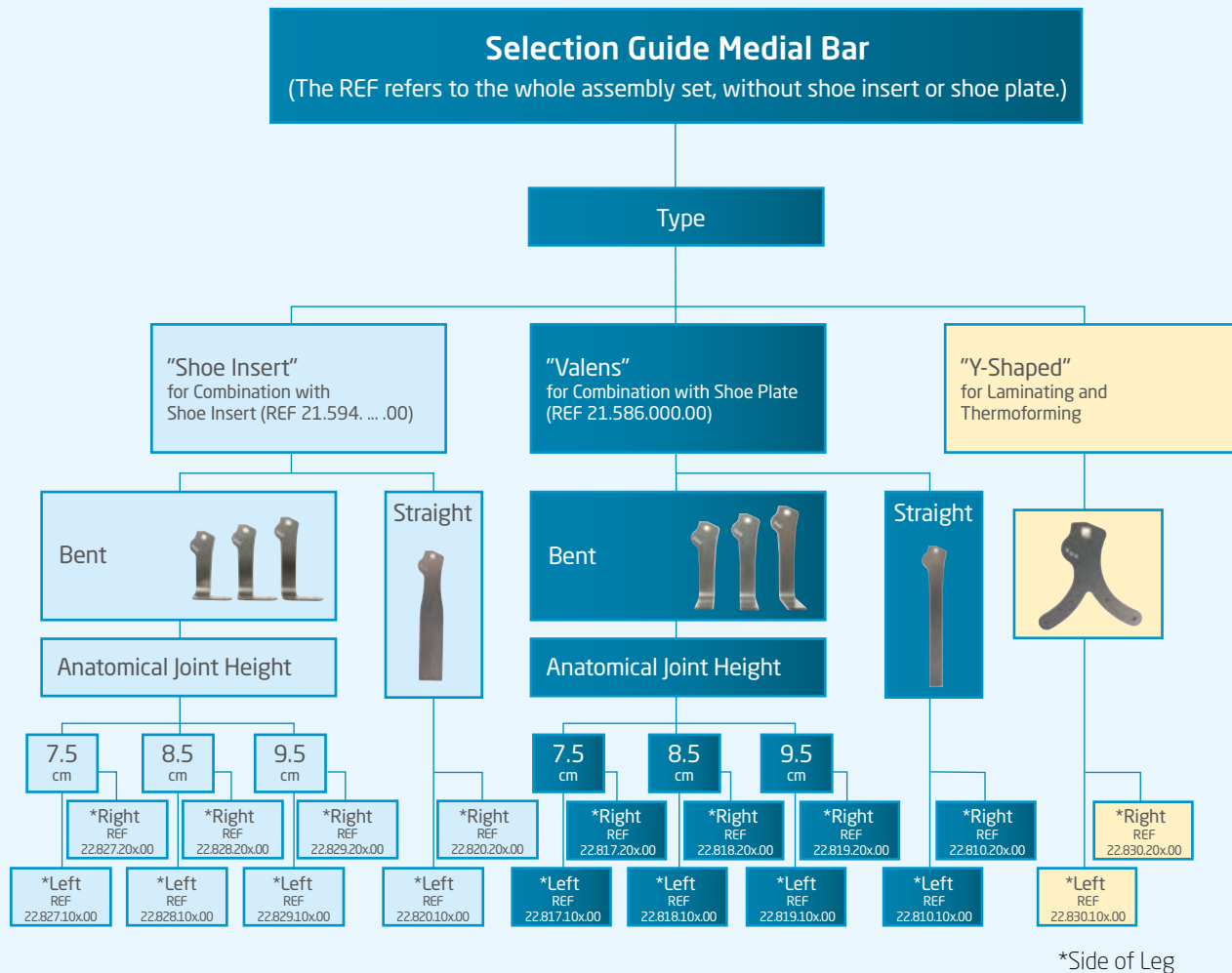
Width of the calf band/mm (measured between the pads): Different UFO sizes only differ with regard to the width of the calf band.

How to Complete the REF

The REF for the assembly set has to be completed by adding the size of the calf band (sizes 1 - 4, for choosing a size see table "size selection"). The third digit from the right in the REF defines this size.

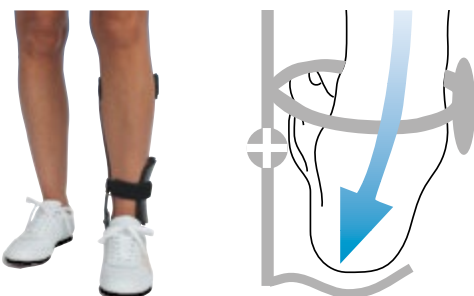
Size Selection				
Size	1	2	3	4
Width of Band/cm	9	10	11.5	13
for Circumference/cm	21 - 30	29 - 33	32 - 36	36 - 42

the guide will lead you to the REF matching the correct assembly set. Add the size of the calf band to the REF of the assembly set as the third digit from the right. Alternatively, all REF are also listed on the following pages.



Complementary Accessories

Using a lateral malleolar strap is especially recommendable for patients with a spastic peroneal paralysis and a distinct tendency for supination. The lateral malleolar strap dynamically fixes the ankle to the orthosis, without limiting flexion/extension. The strap comes with a padded ankle support which is connected to the medial bar with the adjustable strap.



Spastic Paralysis:
Right leg seen from dorsal
(back of leg) - medial bar
(inside of leg).

Lateral Malleolar Strap Kit
Strap, padded ankle support
and accessories for assembly.

REF	Version
21.587.000.00	Left / Right



Example of Use with Shoe Insert

**Technician's Tip:****Measuring Required Joint Height**

Use the axis of the ankle joint as the starting point for measuring, i.e. start where the tip of the medial malleolus meets the thickest part of the maleolus lateralis. Measure the distance from this point to the ground (without shoe).

• Type "Shoe Insert"

Scope of delivery of assembly set: joint with spring, bar, calf band with pad, different rivets for assembly, no shoe insert included.

Lateral Configuration, Top Section of Joint is Straight

REF Left	REF Right	Size	Bottom Section of Joint/Joint Height/mm
22.720.101.00	22.720.201.00	1	Straight
22.720.102.00	22.720.202.00	2	Straight
22.720.103.00	22.720.203.00	3	Straight
22.720.104.00	22.720.204.00	4	Straight
22.727.101.00	22.727.201.00	1	75
22.727.102.00	22.727.202.00	2	75
22.727.103.00	22.727.203.00	3	75
22.727.104.00	22.727.204.00	4	75
22.728.101.00	22.728.201.00	1	85
22.728.102.00	22.728.202.00	2	85
22.728.103.00	22.728.203.00	3	85
22.728.104.00	22.728.204.00	4	85
22.729.101.00	22.729.201.00	1	95
22.729.102.00	22.729.202.00	2	95
22.729.103.00	22.729.203.00	3	95
22.729.104.00	22.729.204.00	4	95

Medial Configuration, Top Section of Joint is Cranked

REF Left	REF Right	Size	Bottom Section of Joint/Joint Height/mm
22.820.101.00	22.820.201.00	1	Straight
22.820.102.00	22.820.202.00	2	Straight
22.820.103.00	22.820.203.00	3	Straight
22.820.104.00	22.820.204.00	4	Straight
22.827.101.00	22.827.201.00	1	75
22.827.102.00	22.827.202.00	2	75
22.827.103.00	22.827.203.00	3	75
22.827.104.00	22.827.204.00	4	75
22.828.101.00	22.828.201.00	1	85
22.828.102.00	22.828.202.00	2	85
22.828.103.00	22.828.203.00	3	85
22.828.104.00	22.828.204.00	4	85
22.829.101.00	22.829.201.00	1	95
22.829.102.00	22.829.202.00	2	95
22.829.103.00	22.829.203.00	3	95
22.829.104.00	22.829.204.00	4	95

Aluminum Shoe Insert

For combination with UFO Orthosis.



REF Left	REF Right	Shoe Size
21.594.138.00	21.594.238.00	38
21.594.140.00	21.594.240.00	40
21.594.142.00	21.594.242.00	42
21.594.144.00	21.594.244.00	44
21.594.146.00	21.594.246.00	46



• Type “Valens”

Scope of delivery of assembly set: joint with spring, bar, calf band with pad, different rivets for assembly, no shoe plate or shoe included.

Lateral Configuration, Top Section of Joint is Straight

REF Left	REF Right	Size	Bottom Section of Joint/Joint Height/mm
22.710.101.00	22.710.201.00	1	Straight
22.710.102.00	22.710.202.00	2	Straight
22.710.103.00	22.710.203.00	3	Straight
22.710.104.00	22.710.204.00	4	Straight
22.717.101.00	22.717.201.00	1	75
22.717.102.00	22.717.202.00	2	75
22.717.103.00	22.717.203.00	3	75
22.717.104.00	22.717.204.00	4	75
22.718.101.00	22.718.201.00	1	85
22.718.102.00	22.718.202.00	2	85
22.718.103.00	22.718.203.00	3	85
22.718.104.00	22.718.204.00	4	85
22.719.101.00	22.719.201.00	1	95
22.719.102.00	22.719.202.00	2	95
22.719.103.00	22.719.203.00	3	95
22.719.104.00	22.719.204.00	4	95

Medial Configuration, Top Section of Joint is Cranked

REF Left	REF Right	Size	Bottom Section of Joint/Joint Height/mm
22.810.101.00	22.810.201.00	1	Straight
22.810.102.00	22.810.202.00	2	Straight
22.810.103.00	22.810.203.00	3	Straight
22.810.104.00	22.810.204.00	4	Straight
22.817.101.00	22.817.201.00	1	75
22.817.102.00	22.817.202.00	2	75
22.817.103.00	22.817.203.00	3	75
22.817.104.00	22.817.204.00	4	75
22.818.101.00	22.818.201.00	1	85
22.818.102.00	22.818.202.00	2	85
22.818.103.00	22.818.203.00	3	85
22.818.104.00	22.818.204.00	4	85
22.819.101.00	22.819.201.00	1	95
22.819.102.00	22.819.202.00	2	95
22.819.103.00	22.819.203.00	3	95
22.819.104.00	22.819.204.00	4	95



Shoe Plate for UFO III

For external installation of UFO Type “Valens” on shoe sole.

REF	Version
21.586.000.00	Left / Right



• Type “Y-Shaped”

Scope of delivery of assembly set: joint with spring, bar, calf band with pad, different rivets for assembly.

Lateral Configuration, Top Section of Joint is Straight

REF Left	REF Right	Size	Bottom Section of Joint/Joint Height
22.730.101.00	22.730.201.00	1	Straight
22.730.102.00	22.730.202.00	2	Straight
22.730.103.00	22.730.203.00	3	Straight
22.730.104.00	22.730.204.00	4	Straight

Medial Configuration, Top Section of Joint is Cranked

REF Left	REF Right	Size	Bottom Section of Joint/Joint Height
22.830.101.00	22.830.201.00	1	Straight
22.830.102.00	22.830.202.00	2	Straight
22.830.103.00	22.830.203.00	3	Straight
22.830.104.00	22.830.204.00	4	Straight



Lateral Malleolar Strap Kit

Set consisting of strap closure, padded malleolus cover and assembly accessories.

REF	Version
21.587.000.00	Left / Right



Top Part of Joint, Cranked (Medial Version)

REF

21.882.000.00



Top Part of Joint, Straight (Lateral Version)

REF

21.883.000.00



Straight

Bent

Bottom Part of Joint, Type "Shoe Insert"

REF Left	REF Right	Bottom Section of Joint/Joint Height/mm
21.864.001.00	21.864.001.00	Straight
21.864.175.00	21.864.275.00	75
21.864.185.00	21.864.285.00	85
21.864.195.00	21.864.295.00	95



Straight

Bent

Bottom Part of Joint, Type "Valens"

REF Left	REF Right	Bottom Section of Joint/Joint Height/mm
21.865.001.00	21.865.001.00	Straight
21.865.175.00	21.865.275.00	75
21.865.185.00	21.865.285.00	85
21.865.195.00	21.865.295.00	95



Bottom Part of Joint, Type "Y-Shaped"

REF	Version
21.866.025.00	Left / Right



Technician's Tip:

If you want to order complete UFO III joints without any further components, follow the selection guide on page 18/19. In this case, add a "0" as the third digit from the right in the REF (i.e. without calf band and pre-cut bars).



Calf Band

With pad, adhesive film and rivets.

REF	Size
21.567.001.00	1
21.567.002.00	2
21.567.003.00	3
21.567.004.00	4



Pre-Cut Bar

400 mm long, countersunk rivets included.

REF
21.872.400.00



Spiral Spring Replacement Set

Set consisting of spiral spring Type III, cover disk and sliding disk, fixing pin, split-pin bolt, brass joint bushing.

REF Left	REF Right
22.701.100.00	22.701.200.00



UFO III Casting Aid

REF
22.030.000.00

Ankle Orthosis



Ankle Air PRO



◆ Ankle Air PRO

For postoperative and prophylactic use, to effectively prevent users from twisting their ankle.

The orthosis features a medial, fiber reinforced ankle support, which is the base for the straps.

The orthosis adds very little bulk, and can be comfortably worn in a shoe.

Indications

- Post-operative and post-traumatic treatment of ankle injuries
- Acute injuries of the upper and lower ankle
- Chronic instability of the upper and lower ankle
- Distorsions

Funktion

- Protects the ankle from unphysiological movements
- Plantar flexion and dorsal extension are not limited



Lateral Side



Medial Side

Ankle Air PRO

REF Left	REF Right	Size	Patient Height/cm
22.470.000.02	22.470.000.12	S - M	< 165
22.470.000.03	22.470.000.13	L - XL	> 165

Optional Accessories

REF	Product
22.470.000.80	Ankle Air PRO Replacement Kit

Knee Orthoses

Quantum-A
Quantum-A PRO
Quantum-P
Quantum-P PRO
TKS Knee Orthosis
Post-OP evolution
Three Panel Knee Immobilizer



ACL/PCL/CI Orthoses				
				
	Quantum-A	Quantum-A PRO	Quantum-P	Quantum-P PRO
	Page 34	Page 34	Page 35	Page 35
Product Features				
Frame Design "Front /Front"	●	●		
Frame Design "Front /Back"			●	●
Flexion Limitation with Set Screws, No Wedges	0°, 10°, 30°, 40°, 60°, 75°, 90°			
Flexion Limitation with Set Screws, No Wedges	10°, 20°, 30°, 40°			
Length	38 cm			
Color	Titanium Gray			
Hook-and-Loop Closures	Yes			
Additional Features	"Physio-Connect" Joint, Set Screws Instead of Stops	"Physio-Connect" Joint, Set Screws Instead of Stops, Quick-Release Buckles, Additional Joint Cover	"Physio-Connect" Joint, Set Screws Instead of Stops	"Physio-Connect" Joint, Set Screws Instead of Stops, Additional Joint Cover
Indications				
Isolated ACL Injuries	●	●	●	●
Isolated PCL Injuries	●	●	●	●
ACL or PCL Injuries with Secondary Injuries	●	●	●	●
Ruptures of the Collateral Ligament	●	●	●	●
Instabilities of the Collateral Ligament	●	●	●	●
Preoperative and Postoperative Treatment of Instabilities of the Knee Joint	●	●	●	●
Conservative Treatment of Instabilities of the Knee Joint	●	●	●	●
After Surgically Treated Meniscus Injuries	●	●	●	●

	Genu-Recurvatum-Orthosis	Post-OP-Orthosis	Knee-Immobilizer
			
	TKS Knee Orthosis	Post-OP evolution	Three Panel Knee Immobilizer
	Page 37	Page 38	Page 39
Product Features			
Length	24 cm	43 cm (with telescopic bars removed) 57 - 71 cm (with telescopic bars installed)	30 cm 40 cm 51 cm 61 cm
Additional Features	Hook-and-Loop Closures	End pieces of orthoses can be removed to shorten braces.	Three-part structure for easy individual adjustment.
Indications			
Postoperative Immobilization of the Knee Joint		●	●
Preoperative Immobilization of the Knee Joint		●	●
Posttraumatic Immobilization of the Knee Joint		●	●
Genu Recurvatum	●		



Quantum Knee Orthoses

Quantum Knee Orthoses are available in two designs and with two different feature sets:

- The Quantum A has a ventral tibia frame. It is donned by placing it on top of the leg.
- The Quantum P comes with a dorsal calf frame. It is donned by "stepping through" the brace.

All Quantum Knee Orthoses feature a special hinge, the Physio-Connect Joint which guides the patient's movement in a very physiological manner.

Flexion and extension can be easily adjusted with set screws, making extensive sets of wedges or stops redundant.

Both brace designs are also available in a PRO-version. This version comes with quick-release buckles, which can be opened and closed with one hand. The PRO-version also comes with a joint cover that reliably prevents textiles from getting caught in the hinge.

Indications:

- Isolated injuries of the ACL
- Isolated injuries of the PCL
- Injuries of the ACL or PCL with secondary injuries
- Ruptures of the collateral ligament
- Instabilities of the collateral ligament
- Pre- and postoperative treatment of instabilities of the knee joint
- Conservative treatment of instabilities of the knee joint
- After surgically treated meniscus injuries

Innovative Product Features



"Physio-Connect" Joint

The design of the Quantum's joint is unique: The "Physio-Connect" Joint connects the uprights of the frame, and guides the knee joint through the physiological motion pattern. The design of the orthoses both supports the knee joint and prevents the so-called "drawer-effect".



"Easy-Adjust" Flexion and Extension Limitation

Quick, easy, no wedges: flexion and extension limitation of the "Physio-Connect" Joint can be adjusted with set screws.



PRO-Version: Joint Cover

Keeps the hinge clean, and prevents the joint from being blocked by textile materials that get caught in it.



Version Quantum-A / A-PRO: Anatomical Tibia Frame

The Quantum-A and the Quantum-A PRO Knee Orthosis both feature a ventral tibia frame. To don, the orthosis is placed on the leg, and closed on the dorsal side. The tibia frame's shape matches the anatomical leg shape, and makes for great accuracy of fit.



Version Quantum-P / P-PRO: Calf Frame

The Quantum-P and the Quantum-P PRO feature a dorsal calf frame. The calf frame ensures maximum stability and support. Both orthoses are "step-through" braces.



PRO-Version: Quick-Release Buckles

The Quantum Quick-Release Buckles (featured on the PRO-versions) are a practical detail for daily use. They can be opened and closed with one hand. At the same time these buckles ensure that the tension of the brace straps continuously remains the same.



Quantum Knee Orthoses are approved for use in fresh water, and can e.g. be used for hydrotherapy.



◆ Quantum-A

Knee orthosis with a ventral tibia frame. Its Physio-Connect Joint makes for an easy adjustment of flexion and extension via set screws.

Length 15" (38 cm)

REF Left	REF Right	Thigh Circumference/cm	Calf Circumference/cm	Size
42.320.101.00	42.320.201.00	34 - 41	32 - 36	XS
42.320.102.00	42.320.202.00	41 - 48	36 - 39	S
42.320.103.00	42.320.203.00	48 - 55	39 - 43	M
42.320.104.00	42.320.204.00	55 - 62	43 - 47	L
42.320.105.00	42.320.205.00	62 - 69	47 - 51	XL



◆ Quantum-A PRO

Knee orthoses with a ventral tibia frame. In addition to sharing the product features of the Quantum-A, the Quantum-A PRO has lateral Quick-Release Buckles and additional joint covers.

Length 15" (38 cm)

REF Left	REF Right	Thigh Circumference/cm	Calf Circumference/cm	Size
42.340.101.00	42.340.201.00	34 - 41	32 - 36	XS
42.340.102.00	42.340.202.00	41 - 48	36 - 39	S
42.340.103.00	42.340.203.00	48 - 55	39 - 43	M
42.340.104.00	42.340.204.00	55 - 62	43 - 47	L
42.340.105.00	42.340.205.00	62 - 69	47 - 51	XL



◆ Quantum-P

Knee orthosis with a dorsal calf frame. Its Physio-Connect Joint allows for easy adjustment of flexion and extension via set screws.

Length 15" (38 cm)

REF Left	REF Right	Thigh Circumference/cm	Calf Circumference/cm	Size
42.360.101.00	42.360.201.00	34 - 41	32 - 36	XS
42.360.102.00	42.360.202.00	41 - 48	36 - 39	S
42.360.103.00	42.360.203.00	48 - 55	39 - 43	M
42.360.104.00	42.360.204.00	55 - 62	43 - 47	L
42.360.105.00	42.360.205.00	62 - 69	47 - 51	XL



◆ Quantum-P PRO

Knee orthoses with a dorsal calf frame. In addition to sharing the product features of the Quantum-P, the Quantum-P PRO has lateral Quick-Release Buckles and additional joint covers.

Length 15" (38 cm)

REF Left	REF Right	Thigh Circumference/cm	Calf Circumference/cm	Size
42.380.101.00	42.380.201.00	34 - 41	32 - 36	XS
42.380.102.00	42.380.202.00	41 - 48	36 - 39	S
42.380.103.00	42.380.203.00	48 - 55	39 - 43	M
42.380.104.00	42.380.204.00	55 - 62	43 - 47	L
42.380.105.00	42.380.205.00	62 - 69	47 - 51	XL

Optional Accessories for all Quantum Knee Orthoses

REF	Product
42.000.000.01	Carrying Bag f. Knee Orthosis
42.000.000.02	Quick-Release Buckles Type 1 Top Part
42.000.000.03	Stop-Screw Kit
42.000.000.04	Pad Kit
42.000.000.05	Joint Cover Kit Closed w/o Print
42.000.000.06	Joint Cover Kit Open w/ Print
42.000.000.07	Anti-Slip Pads Kit

Optional Accessories for Quantum-A / -A PRO Knee Orthoses

REF	Product
42.301.101.00	Pad&Strap Kit Anterior CI 38cm XS Lt
42.301.102.00	Pad&Strap Kit Anterior CI 38cm S Lt
42.301.103.00	Pad&Strap Kit Anterior CI 38cm M Lt
42.301.104.00	Pad&Strap Kit Anterior CI 38cm L Lt
42.301.105.00	Pad&Strap Kit Anterior CI 38cm XL Lt
42.301.201.00	Pad&Strap Kit Anterior CI 38cm XS Rt
42.301.202.00	Pad&Strap Kit Anterior CI 38cm S Rt
42.301.203.00	Pad&Strap Kit Anterior CI 38cm M Rt
42.301.204.00	Pad&Strap Kit Anterior CI 38cm L Rt
42.301.205.00	Pad&Strap Kit Anterior CI 38cm XL Rt

Optional Accessories for Quantum-P / -P PRO Knee Orthoses

REF	Product
42.302.101.00	Pad&Strap Kit Posterior CI 38cm XS Lt
42.302.102.00	Pad&Strap Kit Posterior CI 38cm S Lt
42.302.103.00	Pad&Strap Kit Posterior CI 38cm M Lt
42.302.104.00	Pad&Strap Kit Posterior CI 38cm L Lt
42.302.105.00	Pad&Strap Kit Posterior CI 38cm XL Lt
42.302.201.00	Pad&Strap Kit Posterior CI 38cm R XS
42.302.202.00	Pad&Strap Kit Posterior CI 38cm S Rt
42.302.203.00	Pad&Strap Kit Posterior CI 38cm M Rt
42.302.204.00	Pad&Strap Kit Posterior CI 38cm L Rt
42.302.205.00	Pad&Strap Kit Posterior CI 38cm XL Rt



◆ TKS Knee Orthosis

The TKS Knee Orthosis helps to effectively control genu recurvatum. The construction of the brace is based on the three-point-principle, and the orthosis stabilizes the knee joint, guides the knee during flexion and simultaneously prevents hyperextension. The aluminum frame of the TKS can be adjusted individually. The slim design of the orthosis makes it possible to also wear it underneath clothing.

Indication

- Genu recurvatum

Function

- Stabilizing the knee joint according to the three-point-principle
- Effective, adjustable control of genu recurvatum

Length of the lateral bars is 240 mm for all sizes. Required measurements: inner width/mm, measured at the knee joint cavity, padding included. Color: white.



REF Left	REF Right	Size	Inner Width/mm
21.277.103.00	21.277.203.00	3	90
21.277.104.00	21.277.204.00	4	100
21.277.105.00	21.277.205.00	5	110
21.277.106.00	21.277.206.00	6	120
21.277.107.00	21.277.207.00	7	130



◆ Post-OP evolution

The Post-OP evolution Knee Orthosis is used for early functional and post-traumatic immobilization or mobilization.

Flexion can be gradually limited within a range of 0° to 120°, extension from 0° to 90°.

The orthosis can be locked at 0°, 15°, 30° and 45°. The ROM joint can be adjusted both easily and precisely. The desired setting is secured with the brace's "Q-Lock" mechanism.

The length of the Post-OP evolution can be adjusted to between 57 - 71 cm by changing the length of the telescopic lateral bars. If the telescopic bars are completely removed the orthosis is 43 cm long.

Indications

- Postoperative immobilization of the knee joint
- Posttraumatic immobilization

Function

- Stabilization and protection of the knee joint, as well as immobilization or mobilization with adjustable ROM joints



REF	Size	Side	min. Length/cm	max. Length/cm
47.100.000.00	Universal	Can be used on both sides	43	71

Optional Accessories

REF	Product
47.100.000.99	Post-OP evolution Pad&Strap Kit



◆ Three Panel Knee Immobilizer

The Three Panel Knee Immobilizer supports the knee joint with dorsal stabilizing elements. The brace’s three-part structure makes it easy to adjust, and allows for the individual adjustment to the patient’s leg circumference.

Optimized wearing comfort: By improving the fabric lining, which now consists of high quality terry cloth, wearing comfort has been further increased.

Indications

- Preoperative or postoperative immobilization of the knee joint
- Conservative posttraumatic immobilization of the knee joint

Function

- The orthosis wraps around the thigh, the knee and part of the lower leg in order to stabilize and immobilize the knee joint.

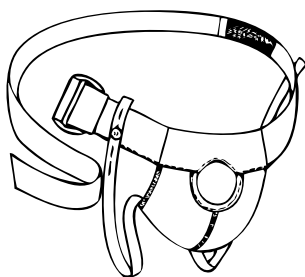


REF	Size	Side	Length/cm
47.001.002.00	S	Can be used on both sides	30
47.001.003.00	M	Can be used on both sides	40
47.001.004.00	L	Can be used on both sides	50
47.001.005.00	XL	Can be used on both sides	60

Suspensory Bandages

Hydrocele Suspensory Bandage H II
Hydrocele Suspensory Bandage H II L
Suspensory Bandage 8
Suspensory Bandage 317
Suspensory Bandage 317 G





◆ Hydrocele Suspensory Bandage H II

Pouch with flat seam, 100% cotton stockinette. Waist band is made of double twill, waist strap is 30 mm wide with rubber insert on the left and buckle on the right side. Soft, brushed thigh straps, which are attached to the waist band with buttons.

Indication

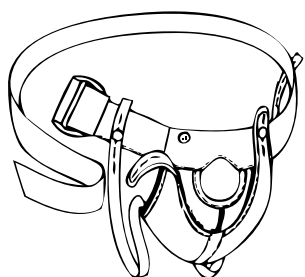
- Hydrocele

Function

- Lifting support for patients with hydroceles

REF	Size
40.189.001.00	1*
40.189.002.00	2*
40.189.003.00	3
40.189.004.00	4
40.189.005.00	5
40.189.006.00	6
40.189.007.00	7
40.189.008.00	8
40.189.009.00	9
40.189.010.00	10
40.189.011.00	11*
40.189.012.00	12*
40.189.013.00	13*
40.189.014.00	14*
40.189.015.00	15*

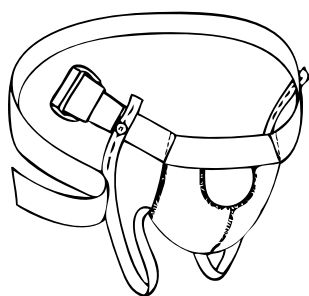
*Available as a custom item.



◆ Hydrocele Suspensory Bandage H II L

Same as REF 40.189.00, but custom-made. As devised by Langlebert-Neisser, with detachable lifting support made from firm fabric, which serves as a bandaging and compressing suspensory bandage.

REF
40.190.999.00



◆ Suspensory Bandage 8

Pouch with flat seam, 100% cotton stockinette. Waist strap is 30 mm wide, with buckle closure, no rubber insert. Soft thigh straps made from tubular braid, which get buttoned to the waist band. Color: white.

Indications

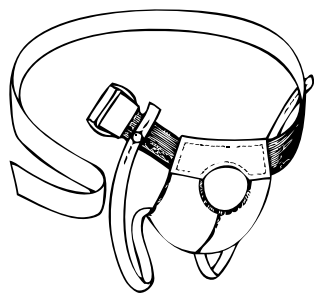
- Pre- and postoperative use
- Painful irritation of one or both testicles, requiring support

Function

- Conservative protective support

REF	Size
40.191.001.00	1*
40.191.002.00	2*
40.191.003.00	3
40.191.004.00	4
40.191.005.00	5
40.191.006.00	6
40.191.007.00	7
40.191.008.00	8
40.191.009.00	9
40.191.010.00	10

*Available as a custom item.



◆ **Suspensory Bandage 317**

Pouch with flat seam, 100% cotton stockinette. Waist band made of double twill. Waist strap is 30 mm wide, with a buckle closure and rubber inserts on both sides. Soft thigh straps made from tubular braid, which get buttoned to the waist band. Color: white.

Indications

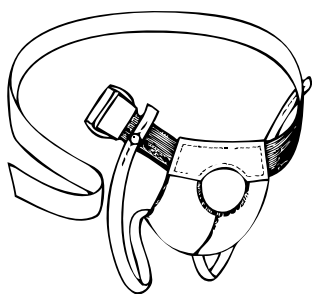
- Pre- and postoperative use
- Painfull irritation of one or both testicles

Function

- Conservative protective support

REF	Size
40.198.001.00	1*
40.198.002.00	2*
40.198.003.00	3
40.198.004.00	4
40.198.005.00	5
40.198.006.00	6
40.198.007.00	7
40.198.008.00	8
40.198.009.00	9
40.198.010.00	10

*Available as a custom item.

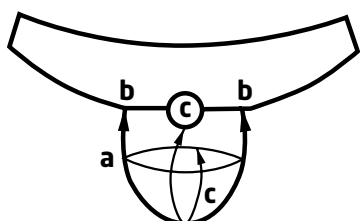


◆ Suspensory Bandage 317 G

Same as REF 40.198.00, but with rubber thigh straps, which get buttoned to the waist band. Color: white.

REF	Size
40.199.001.00	1*
40.199.002.00	2*
40.199.003.00	3
40.199.004.00	4
40.199.005.00	5
40.199.006.00	6
40.199.007.00	7
40.199.008.00	8
40.199.009.00	9
40.199.010.00	10

*Available as a custom item.



Suspensory Bandages: Measurement Table

The suspensory bandages can also be ordered as custom made items with differing measurements and differing features (REF 49.986.999.00). Please use the order form on page 86. Three measurements are required for a suspensory bandage (see illustration). Take the measurements as indicated by the drawing. To take the measurement "a-a" measure circularly. To take the measurements "b-b" and "c-c" measure the distance from one point to the other.

Product Name	Size	For Waist Girth/cm
H II / H II L	1 - 15	up to 130
8	1 - 8	up to 105
8	9 - 10	up to 115
317 / 317 G	1 - 10	up to 120

Suspensory Pouches, Models 8, 317, 317G

Size	a-a/cm	b-b/cm	c-c/cm
1	20	17	13
2	21	18	14
3	23	20	15
4	24	21	17
5	25	23	18
6	27	25	20
7	29	27	21
8	30	29	23
9	32	30	25
10	34	32	27

Suspensory Pouches, Models H II and H II L

Size	a-a/cm	b-b/cm	c-c/cm
1	21	17	13
2	23	18	14
3	25	20	16
4	25	22	17
5	27	24	19
6	29	26	21
7	33	30	25
8	36	33	27
9	39	36	29
10	42	39	32
11	45	42	35
12	48	44	37
13	51	47	40
14	54	50	43
15	57	53	45

Hip Orthoses and Bandages

DynaCox® evolution Hip Orthosis
HOS Hip Orthosis Stuttgart
EFO Hip Bandage
Arthrodesis Seat Cushion



Hip Orthoses and Supports			
			
	DynaCox® evolution	HOS Hip Orthosis Stuttgart	EFO Hip Support
	Page 49	Page 52	Page 54
Product Features			
Dynamic Functionality	•		
Monocentric Joint, Adjustable	•	•	
Polycentric Joint	•		
Special Feature	Dynamic Treatment Concept, Adjustable Without Tools	Adjustable Motion Limitation on Two Planes of Motion	
Primary Indications			
After Repositioning of Luxated Hip Joints	•	•	
After Revision Surgery	•	•	
After Hip Arthroplasty		•	
Instability after Total Hip Replacement (THR)	•	•	
Muscular Imbalance	•		
Irritation Due to Arthrosis/ Arthritis			•

Further Reading (German papers directly related to Dynacox Hip Orthosis Product Family)

Heisel J, Thiel C. (2015) Neue dynamische Orthese zur Behandlung des postoperativ instabilen Hüftgelenks (Typ Dynacox evolution) OUP 2015; 02: 102 - 104

Heisel, J. (2006). Dynamische Hüftorthese zur Behandlung der postoperativen Instabilität nach Hüft-TEP. In: Praxis, 42: 493.

Theil, J.; Zimmermann, R; Heisel, J. (2001) Häufigkeit und Management von Hüft-TEP Luxationen im Rahmen der orthopädischen Rehabilitation. In: Orthopädische Praxis, 37: 251.



◆ DynaCox® evolution Hip Orthosis

as devised by Prof. Dr. med. Heisel

The DynaCox evolution Hip Orthosis combines the effects of a close-fitting bandage (proprioception) and the integrated stabilizing elements of an orthosis working according to the three-point principle.

The DynaCox evolution is the advanced hip orthosis based on the design of the classic hip orthosis DynaCox. The new design uses the dynamic principle to prevent luxations without restricting muscular activity. Adjustments can be made without any tools. The pelvic brace can be opened and laid out flat, which makes it easier to apply the orthosis on patients who are lying down. The DynaCox evolution is available with two different hinge designs.

The design of the DynaCox evolution is a modular design. The orthosis component can be adjusted universally, and can be combined with any size of bandage.

Indications

- After repositioning of luxated hip joint
- Instability after total hip replacement (THR)
- Muscular imbalance
- After revision surgery

Function

- Securing surgical results
- Luxation prophylaxis
- Early functional motion therapy



Two Available Hinge Versions:

Version TRI-Flex

- Three coupled axles
- Automatically adjusts to the anatomical pivot point in motion
- Flexion is limited to 70°

Version ROM-Flex

- Monocentric hinge
- Flexion/extension can be limited in steps of 15°



DynaCox® evolution Hip Orthosis

The DynaCox evolution is delivered ready-for-use. Select the desired joint (version TRI-Flex or ROM-Flex) and the correct size.

Included in delivery are all rigid components (universal size and universal side), the selected joint version and the bandage in the selected size and for the selected side.

You can also order the hip orthosis with the order form on page 87.

Version with TRI-Flex Joint, Including Bandage

REF Left	REF Right	Size	Circumference/cm	
			Hip	Thigh*
23.600.101.00	23.600.201.00	S	70 - 85	40 - 52
23.600.102.00	23.600.202.00	M	85 - 100	48 - 60
23.600.103.00	23.600.203.00	L	100 - 120	56 - 68
23.600.104.00	23.600.204.00	XL	115 - 135	62 - 76
23.600.105.00	23.600.205.00	XXL	130 - 150	65 - 80

Version with ROM-Flex Joint, Including Bandage

REF Left	REF Right	Size	Circumference/cm	
			Hip	Thigh*
23.600.101.01	23.600.201.01	S	70 - 85	40 - 52
23.600.102.01	23.600.202.01	M	85 - 100	48 - 60
23.600.103.01	23.600.203.01	L	100 - 120	56 - 68
23.600.104.01	23.600.204.01	XL	115 - 135	62 - 76
23.600.105.01	23.600.205.01	XXL	130 - 150	65 - 80

*Consider the thigh circumference if the patient's hip circumference is close to the next smaller or larger size.



Accessories

Bandage for DynaCox evolution, as a replacement.

REF Left	REF Right	Size	Circumference/cm	
			Hip	Thigh*
23.601.101.00	23.601.201.00	S	70 - 85	40 - 52
23.601.102.00	23.601.202.00	M	85 - 100	48 - 60
23.601.103.00	23.601.203.00	L	100 - 120	56 - 68
23.601.104.00	23.601.204.00	XL	115 - 135	62 - 76
23.601.105.00	23.601.205.00	XXL	130 - 150	65 - 80

Additional Accessories

REF	Product	Scope of Delivery
23.603.000.00	DynaCox evolution ROM-Flex Joint	
23.603.100.00	DynaCox evolution TRI-Flex Joint Lt	
23.603.200.00	DynaCox evolution TRI-Flex Joint Rt	
23.604.020.00	DynaCox evolution Pad Kit	Set of replacement pads. Recommended for longer periods of use.
23.604.030.00	DynaCox evolution Spare Parts Kit	Kit with straps and closure.
23.604.040.00	DynaCox evolution Short Bar with Pad	Lateral bar, recommended for patients shorter than 1.55 m.
23.604.041.00	DynaCox evolution Standard Bar with Pad	Lateral bar (included in delivery).
23.604.050.00	DynaCox evo.Panel Pad w/ Hook&Loop Fast.	Additional pad for panel, for very slender patients.
23.604.060.00	DynaCox evo Spare Parts Kit	Set of spare screws.
60.397.001.00	Multi-Purpose Scissors	Multi-purpose scissors, finely serrated.

*Take the thigh circumference into account if the patient's hip circumference is close to the next smaller or larger size.

See page 87 for the DynaCox evolution fax order form.



◆ HOS Hip Orthosis Stuttgart

The hip orthosis system for fast and modular clinical application. The HOS consists of a rigid pelvic brace, a multi-axial hinge and a thigh brace with supracondylar support. Adjustable flexion, extension limitation and abduction can be set with a 4 mm hex key.

Indications

- After repositioning of luxated hip joints
- Instability after total hip replacement (THR)
- After revision surgery
- After hip arthroplasty

Function

- Securing surgical results
- Early functional motion therapy

The orthosis is available as a straight or cranked and a unilateral or bilateral version. It will be assembled by us according to your specifications. To order, please specify the desired version, side and required measurements on the fax order form on page 88.

Hip Orthosis Stuttgart, Model "Standard", Custom Version

REF Bilateral	REF Unilateral (Right or Left)
22.020.300.00	22.020.999.00

Hip Orthosis Stuttgart, Model "Blue", Custom Version

REF Bilateral	REF Unilateral (Right or Left)
22.350.300.00	22.350.999.00

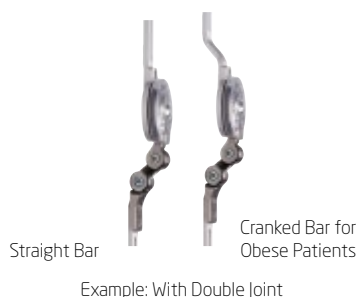
Alternatively, you can order the following standard sizes (straight bars, double joint). Please consider the measurements listed below when deciding on a custom configuration.

Hip Orthosis Stuttgart, Model "Standard" in Standard Sizes

REF Left	REF Right	Size	Waist Circumference/cm	Hip/cm	Thigh Proximal/cm	Thigh Distal/cm
22.020.100.00	22.020.200.00	S	60 - 82	68 - 90	44 - 53	34 - 41
22.021.100.00	22.021.200.00	M	80 - 96	90 - 110	48 - 60	36 - 45
22.022.100.00	22.022.200.00	L	94 - 115	106 - 126	57 - 68	42 - 49
22.023.100.00	22.023.200.00	XL	99 - 120	111 - 131	62 - 76	46 - 56

Hip Orthosis Stuttgart, Model "Blue" in Standard Sizes

REF Left	REF Right	Size	Waist Circumference/cm	Hip/cm	Thigh Proximal/cm	Thigh Distal/cm
22.350.100.00	22.350.200.00	S	60 - 82	68 - 90	44 - 53	34 - 41
22.351.100.00	22.351.200.00	M	80 - 96	90 - 110	48 - 60	36 - 45
22.352.100.00	22.352.200.00	L	94 - 115	106 - 126	57 - 68	42 - 49
22.353.100.00	22.353.200.00	XL	99 - 120	111 - 131	62 - 76	46 - 56



Joint Bars for Model "Standard"

The joint bars come with a double joint. Use the following REF to order them individually, if desired.

REF	Joint Type	Version
22.013.050.00	Standard	Straight
22.013.060.00	Standard	Cranked



Joint Bars for Model "Blue"

Bar system design "Blue" with dynamic abduction control: Upon flexion the leg is automatically guided into abduction.

REF	Joint Type	Version
22.013.051.00	Blue	Straight
22.013.061.00	Blue	Cranked



Knee and Foot Part for HOS

The optional anti-rotation component can be combined with all four joint bars. The knee and foot part guides both the patient's lower leg and foot, thereby limiting rotation to a minimum.

REF Left	REF Right	Size	Shoe Size
22.355.101.00	22.355.201.00	S	36 - 39
22.355.102.00	22.355.202.00	M	40 - 43
22.355.103.00	22.355.203.00	L	44 - 46

Screw Set for HOS

Contains all screws required to assemble the HOS.
The screws are included with every HOS.

REF
22.013.990.00

Optional Accessories

REF	Product
22.013.006.00	HOS Plastic Cover Abduction
22.013.007.00	HOS Plastic Cover for Standard Joint



◆ EFO Hip Bandage

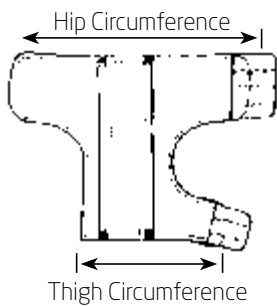
The EFO is a hip bandage for patients with irritation due to arthrosis and arthritis. The lateral stabilization rods further help to relieve the hip joint. It is possible to remove single rods to individually adjust the degree to which the hip joint is supported.

Indications

- Irritation due to arthrosis/arthritis
- Postoperative use

Function

- Stabilization of the hip joint with even, circular compression of soft tissue



Bandage Providing Elastic Motion Control for the Hip Joint, Height: 48 cm					
REF Left	REF Right	REF Bilateral	Size	Hip Circumference/cm	Thigh Circumference/cm
40.367.101.00	40.367.201.00	40.367.301.00	1	60 - 80	40 - 55
40.367.102.00	40.367.202.00	40.367.302.00	2	70 - 100	50 - 65
40.367.103.00	40.367.203.00	40.367.303.00	3	90 - 110	55 - 70
40.367.104.00	40.367.204.00	40.367.304.00	4	100 - 130	60 - 75

Bandage Providing Elastic Motion Control for the Hip Joint, Custom VErision	
REF Unilateral (Left or Right)	REF Bilateral
40.367.999.00	40.367.999.01

◆ Arthrodesis Seat Cushion



Depending on the model, these arthrodesis seat cushions are slanted towards the anterior edge either on one or both sides (i.e. for one or both pelvic joints). The seat cushions help prevent the joint from being flexed to an angle $> 75^\circ$. This also puts the femoral head in a beneficial position in the socket of the hip joint.

Recommended Use

- Postoperative use e.g. after THR, ideally in combination with a suitable orthosis
- Postoperative use after arthrodesis of the hip joint
- For joint relief in case of arthrosis

Made of Polyether Foam, With Removeable Cushion Cover and Slant Left/Right or Bilateral, Width x Depth x Height/cm: 40 x 41 x 11

REF Left	REF Right	REF Bilateral	Color
41.100.100.00	41.100.200.00	41.100.300.00	Bordeaux
41.101.100.00	41.101.200.00	41.101.300.00	Dark Green
41.102.100.00	41.102.200.00	41.102.300.00	Dark Blue

Separate Cushion Cover

Made of Microfiber

REF Left	REF Right	REF Bilateral	Color
41.120.001.00	41.120.002.00	41.120.003.00	Bordeaux
41.121.001.00	41.121.002.00	41.121.003.00	Dark Green
41.122.001.00	41.122.002.00	41.122.003.00	Dark Blue

Spine and Stabilizing Orthoses

MLO Dynamic (Incl. Panels Type I, II, III)
Osteo-Light Orthosis
Osteo-Comfort Orthosis
Three-Point TLSO Brace
Gerzer® Posture Corrector
Gerzer® 2 Posture Corrector
Hyperextension Orthoses
AOB Torso Brace System
Silva Universal Abdominal Bandage



Spine and Stabilizing Orthoses				
				
	MLO Dynamic Orthosis	Osteo-Light Orthosis	Osteo-Comfort Orthosis	Three-Point TLSO Brace
	Page 60	Page 62	Page 63	Page 64
Primary Indication				
Spinal Compression Fracture (Stable Fracture)			●	
Postoperative After Intervertebral Disk Surgery	●			
Stable Vertebral Fractures of the Lumbar and Thoracic Spine (e.g. Caused by Osteoporosis)		●	●	●
Minor Posttraumatic Vertebral Fractures	●			
Degenerative Diseases of the Lumbar Spine	●			
Muscular Insufficiency		●		
Acute and Chronic Intervertebral Disk Disorder	●			
Myostatic Insufficiency	●			
Spinal Instability	●			
Spondyloarthropathy	●			
Lumbar Insufficiency with Recurring Lumbago	●			
Low Back Pain	●			
Lumbago	●			
Sciatica	●			
Facet Syndrome	●			
Lumbar Spinal Stenosis	●			

Spine and Stabilizing Orthoses

					
	Gerzer® Posture Corrector	Gerzer® 2	Hyperextension Orthosis	AOB Torso Brace	Silva Universal Abdominal Bandage
	Page 67	Page 67	Page 68	Page 70	Page 72
Primary Indication					
Muscular Insufficiency	●	●			
Stable Vertebral Fractures of the Lumbar and Thoracic Spine (e.g. Caused by Osteoporosis)			●		
Postoperative Use for Segment Stabilization				●	
Conservative Treatment of Painfully Instable Spinal Segments				●	
Posture Weakness of the Shoulder Girdle	●	●			
Bruised or Fractured Ribs					●
Postoperative Support Bandage					●
Scar Protection					●



◆ MLO Dynamic (Incl. Panels Type I, II, III)

The MLO Dynamic is a mobilizing modular back brace. Three different panels complete the "cable-pull" orthosis to create a comprehensive treatment concept. The panels should be selected to match the indication, and, during the course of the therapy, can be exchanged according to the medical indications.

The pulling-element is built like a pulley system; this allows for the compression to be adjusted with minimal effort.

Indications Panel Type I



- Lumbar insufficiency with recurring lumbago
- Low back pain
- Lumbago

Indications Panel Type II



- Degenerative diseases of the lumbar spine
- Acute and chronic intervertebral disk disorder
- Myostatic insufficiency
- Spinal instability
- Spondyloarthropathy

Indications Panel Type III



- Sciatica (without neurological deficits)
- Facet syndrome
- Lumbar spinal stenosis
- Postoperative after intervertebral disk surgery
- Minor posttraumatic vertebral fractures

Function

- Load relief through reduction of lordosis
- Functional mobilization of the lumbar region


Height Panel Type III: 27 cm, Patient Height Below 165 cm

REF	Size	Hip Circumference/cm
23.510.010.00	XS	55 - 70
23.510.011.00	S	65 - 80
23.510.012.00	M	75 - 90
23.510.013.00	L	85 - 100
23.510.014.00	XL	95 - 110
23.510.015.00	2XL	105 - 120
23.510.016.00	3XL	115 - 130

Height Panel Type III: 29 cm, Patient Height 165 - 175 cm

REF	Size	Hip Circumference/cm
23.510.020.00	XS	55 - 70
23.510.021.00	S	65 - 80
23.510.022.00	M	75 - 90
23.510.023.00	L	85 - 100
23.510.024.00	XL	95 - 110
23.510.025.00	2XL	105 - 120
23.510.026.00	3XL	115 - 130

Height Panel Type III: 31 cm, Patient Height Above 175 cm

REF	Size	Hip Circumference/cm
23.510.030.00	XS	55 - 70
23.510.031.00	S	65 - 80
23.510.032.00	M	75 - 90
23.510.033.00	L	85 - 100
23.510.034.00	XL	95 - 110
23.510.035.00	2XL	105 - 120
23.510.036.00	3XL	115 - 130



◆ Osteo-Light Orthosis

The Osteo-Light is a modern treatment option for the conservative osteoporosis therapy. It dynamically straightens the shoulder girdle, thereby stabilizing the patient's posture and reducing the risk of a fall. Simultaneously, the active straightening of the body helps to train the patient's muscles when in motion, and also counteracts the risk of atrophy. The intensity of the straightening effect can be adjusted continuously with the lateral straps.

Indications

- Stable osteoporotic vertebral fractures
- Muscular insufficiency

Function

- Straightening of the shoulder girdle
- Stabilisation of the spine
- Support of the dorsal and abdominal muscles



Long version, for patients taller than 165 cm.
Short version, for patients shorter than 165 cm.

REF Long Version Length 49 cm	REF Short Version Length 44 cm	Size	Circumference/cm
22.410.001.00	22.411.001.00	S	72 - 82
22.410.002.00	22.411.002.00	M	82 - 92
22.410.003.00	22.411.003.00	L	92 - 102
22.410.004.00	22.411.004.00	XL	102 - 112
22.410.005.00	22.411.005.00	2XL	112 - 122
22.410.006.00	22.411.006.00	3XL	122 - 132

Taking Measurements for the Osteo Light Orthosis

To select a fitting Osteo-Light, two circumference measurements of the patient are required. Measure both the hip circumference and the abdominal circumference. Use the larger of the two circumference measurements to select the orthosis.



◆ Osteo-Comfort Orthosis

The design of the Osteo-Comfort combines a spinal posture support and a functional lumbar orthosis with a cable-pull. It actively and dynamically straightens the shoulder girdle, and stabilizes the spine. The Osteo-Comfort orthosis can be donned without patients having to twist their torso.

The pulling-element is built like a pulley system; this allows for the compression to be adjusted with minimal effort.

Indications

- Stable vertebral fractures (Th 8 - L5)
- Spinal compression fracture (stable fracture)
- Lumbar instability
- Impression fracture
- Spinal tumor

Function

- Straightening of the shoulder girdle
- Stabilization of the spine
- Support of the dorsal and abdominal muscles



Long version, for patients taller than 165 cm.

Short version, for patients shorter than 165 cm.

REF Long Version	REF Short Version	Size	Circumference/cm
22.610.020.00	22.610.010.00	XS	55 - 70
22.610.021.00	22.610.011.00	S	65 - 80
22.610.022.00	22.610.012.00	M	75 - 90
22.610.023.00	22.610.013.00	L	85 - 100
22.610.024.00	22.610.014.00	XL	95 - 110
22.610.025.00	22.610.015.00	2XL	105 - 120
22.610.026.00	22.610.016.00	3XL	115 - 130

Taking Measurements for the Osteo-Comfort Orthosis

To select a fitting Osteo-Comfort, two circumference measurements of the patient are required. Measure both the hip circumference and the abdominal circumference. Use the larger of the two circumference measurements to select the orthosis.

See page 91 for the Osteo Comfort fax order form.



◆ Three-Point TLSO Brace

The original Three-Point TLSO Brace as devised by Vogt/Bähler.

Very light TLSO brace with different available closure types. The Three-Point Brace connects the pubic bone, the sternum and the spine with a firm pelvic band, according to the three-point principle. In addition to this, the pubic bone panel and the back panel form a functional unit. This way, the rod of the sternal panel can be adjusted in a way that does not exert any pressure on the patient's sternum and allows the patient to actively straighten up.

The Three-Point Brace is available with two different types of fastening mechanisms.

Indications

- Osteoporosis
- Stable vertebral fractures of the lumbar and lower thoracic spine (L5 - Th11)

Function

- Straightening and stabilisation of the lumbar spine and the lower thoracic spine
- Postoperative prevention of spinal inclination



Version:
M3 Buckle



Version:
M4 Clip Lock



Three-Point Brace M4

With clip lock closure, incl. terry cloth cover set.

REF	Size	Waist Circumference/cm
22.200.000.00	0	46 - 58
22.200.001.00	1	58 - 75
22.200.002.00	2	75 - 90
22.200.003.00	3	90 - 105
22.200.004.00	4	105 - 120
22.200.005.00	5	120 - 135

*weight limit is 90 kg



Three-Point Brace M3

With buckle.

REF	Size	Waist Circumference/cm
21.669.000.00	0	46 - 58
21.669.001.00	1	58 - 75
21.669.002.00	2	75 - 90
21.669.003.00	3	90 - 105
21.669.004.00	4	105 - 120
21.669.005.00	5	120 - 135

Recommendation: Terry Cloth Cover Set

For the sternal panel, the pubic bone panel, and the dorsal panel (21.669.00 and 22.200.00).

If the orthosis is used for an extended period of time, we recommend using the terry cloth cover set. The set can be washed by hand.



REF	Size
20.902.000.00	0
20.902.001.00	1
20.902.002.00	2
20.902.003.00	3
20.902.004.00	4



Panel and Padding Replacement Kit M4

Kit contains sternal panel, pubic bone panel, dorsal panel, pelvic padding and abdominal padding including covers.

REF	Size
21.788.010.00	0
21.788.011.00	1
21.788.012.00	2
21.788.013.00	3
21.788.014.00	4



Panel and Padding Replacement Kit M3

Kit contains sternal panel, pubic bone panel, dorsal panel, pelvic padding and abdominal padding including covers.

REF	Size
21.788.000.00	0
21.788.001.00	1
21.788.002.00	2
21.788.003.00	3
21.788.004.00	4



Clip Lock Closure M4, Complete

Including fastening screws.

REF
21.705.010.00



Buckle Closure M3, Complete

Including fastening screws.

REF
21.705.000.00



Knurled Nut

For Three-Point Brace.

REF
70.258.005.00



◆ Gerzer® Posture Corrector

Posture corrector made of fully elastic, high-tensile rubber strap with a hook-and-loop closure in the front. The pull of the bandage's straps draws the shoulders back, and reminds patients to maintain a correct posture.

Indications

- Posture weakness of the shoulder girdle

Function

- Elastic reminder bandage for posture support

REF	Size	Underbust Circumference/cm		Clothing Size	
		Min.	Max.	Women	Men
40.386.001.00	1	54	62	32	
40.386.002.00	2	60	69	34 – 36	34
40.386.003.00	3	66	76	38 – 40	34 – 38
40.386.004.00	4	72	83	42 – 44	36 – 42
40.386.005.00	5	80	92	46 – 48	40 – 46
40.386.006.00	6	88	101	50 – 52	44 – 50
40.386.007.00	7	96	110	54	48 – 56



◆ Gerzer® 2 Posture Corrector

Posture corrector made of fully elastic, high-tensile rubber strap with a hook-and-loop closure in the front. The pull of the bandage's straps draws the shoulders back, and reminds patients to maintain a correct posture.

Indications

- Posture weakness of the shoulder girdle

Function

- Elastic reminder bandage for posture support

REF	Size	Underbust Circumference/cm			Clothing Size	
		Min.	Optimal Area	Max.	Women	Men
40.390.002.00	2	60	61 - 66	69	S	XS
40.390.003.00	3	66	67 - 72	76	M	S
40.390.004.00	4	72	73 - 80	83	L	M
40.390.005.00	5	80	81 - 88	92	XL	L
40.390.006.00	6	88	89 - 96	101	XXL	XL



◆ Hyperextension Orthoses

Hyperextension orthosis made of aluminum, available in three versions. The height of the brace is continuously adjustable.

The orthosis straightens and stabilizes the lumbar and thoracic spine, and relieves the ventral sections of the vertebral bodies. The light but stable aluminum frame also restricts any lateral bending and twisting of the torso.

Indication

- Stable vertebral fractures of the lumbar and thoracic spine, e.g. caused by osteoporosis

Function

- Reclination of the lumbar and lower thoracic spine
- Conservative functional treatment
- Temporary postoperative treatment



Version:
Lateral Clip Lock Closure
(All Models)



Model REF 21.697.00
is available with long or short
lateral bars in all sizes.

Feature Overview

Features	Model	
REF	21.697.00	21.763.00
Swivel Sternal Panel	Yes	Yes
Top Band Separately Adjustable (Degree of Reclination)	Yes	No
Lateral Bars Available as Long or Short Version	Yes	No
Pubic Bone Panel Immobile	No	Yes
Spring-Mounted Articulated Pelvic Band	Yes	No
Waterproof	Yes	Yes

Hyperextension orthosis, with pelvic pressure band and four lateral spring joints. Top band and joints with toothed segments are adjustable. With articulated sternal panel. Available in a short and a long version.

Short Version, Minimum Total Length of Lateral Bars: 26 cm

REF	Size	Pelvis Circumference/cm
21.697.001.10	S	60 - 75
21.697.002.10	M	75 - 90
21.697.003.10	L	90 - 105
21.697.004.10	XL	105 - 115

Long Version, Minimum Total Length of Lateral Bars: 30 cm

REF	Size	Pelvis Circumference/cm
21.697.001.11	S	60 - 75
21.697.002.11	M	75 - 90
21.697.003.11	L	90 - 105
21.697.004.11	XL	105 - 115

With Pubic Bone Panel, Minimum Total Length of Lateral Bars: 21 cm

REF	Size	Pelvis Circumference/cm
21.763.001.10	S	60 - 75
21.763.002.10	M	75 - 90
21.763.003.10	L	90 - 105
21.763.004.10	XL	105 - 115



◆ AOB Torso Brace System

The AOB is a modular orthosis system for fast clinical use. The system is anatomically pre-shaped, and can be individually adjusted by the orthopedic technician. The torso module can be finished with closures, reclination supports and dorsal reinforcement bars.

Please note: Version "Strong" is recommended for patients with a regular waist, version "Standard" for patients with a less distinct waist.

Indications

- Postoperative use for segment stabilization
- Conservative treatment of painfully instable spinal segments

Function

- Fixation of spinal segments to prevent inclination, rotation and lateral movements

Odd-Numbered REF (e.g. -003) for Men
Even-Numbered REF (e.g. -008) for Women

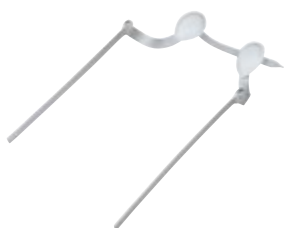
Standard		Size	Circumference/cm			Strong	
REF Lordosis 15°	REF Lordosis 0°		Chest	Waist	Hip	REF Lordosis 15°	REF Lordosis 0°
22.002.001.00	22.005.001.00	1	66	51	71	22.102.001.00	22.103.001.00
22.002.002.00	22.005.002.00	2	59	45	71	22.102.002.00	22.103.002.00
22.002.003.00	22.005.003.00	3	71	61	76	22.102.003.00	22.103.003.00
22.002.004.00	22.005.004.00	4	64	51	76	22.102.004.00	22.103.004.00
22.002.005.00	22.005.005.00	5	76	71	81	22.102.005.00	22.103.005.00
22.002.006.00	22.005.006.00	6	74	66	81	22.102.006.00	22.103.006.00
22.002.007.00	22.005.007.00	7	84	76	87	22.102.007.00	22.103.007.00
22.002.008.00	22.005.008.00	8	69	59	87	22.102.008.00	22.103.008.00
22.002.009.00	22.005.009.00	9	89	81	92	22.102.009.00	22.103.009.00
22.002.010.00	22.005.010.00	10	76	66	92	22.102.010.00	22.103.010.00
22.002.011.00	22.005.011.00	11	94	87	97	22.102.011.00	22.103.011.00
22.002.012.00	22.005.012.00	12	84	74	97	22.102.012.00	22.103.012.00
22.002.013.00	22.005.013.00	13	99	92	102	22.102.013.00	22.103.013.00
22.002.014.00	22.005.014.00	14	92	81	102	22.102.014.00	22.103.014.00
22.002.015.00	22.005.015.00	15	102	97	109	22.102.015.00	22.103.015.00
22.002.016.00	22.005.016.00	16	92	84	109	22.102.016.00	22.103.016.00
22.002.017.00	22.005.017.00	17	114	100	114	22.102.017.00	22.103.017.00
22.002.018.00	22.005.018.00	18	94	87	114	22.102.018.00	22.103.018.00
22.002.019.00	22.005.019.00	19	117	104	117	22.102.019.00	22.103.019.00
22.002.020.00	22.005.020.00	20	101	96	117	22.102.020.00	22.103.020.00

AOB Closure



Fastening rivets included.

REF	Product	Height/mm	for Size
22.003.170.00	AOB Buckle for Sz1-5 170mm	170	1 - 5
22.003.200.00	AOB Buckle for Sz6-10 200mm	200	6 - 10
22.003.220.00	AOB Buckle for Sz11-15 220mm	220	11 - 15
22.003.240.00	AOB Buckle for Sz16-20 240mm	240	16 - 20



Reclination Support

REF	Product	Size
22.004.001.00	AOB Reclination Support for Sz1-6	1 - 6
22.004.002.00	AOB Reclination Support for Sz7-14	7 - 14
22.004.003.00	AOB Reclination Support for Sz15-20	15 - 20



Dorsal Reinforcement Bars (Pair)

REF	Product	Length/mm
22.110.230.00	AOB Dorsal Reinforcement Bars 230mm	230
22.110.280.00	AOB Dorsal Reinforcement Bars 280mm	280
22.110.300.00	AOB Dorsal Reinforcement Bars 300mm	300
22.110.320.00	AOB Dorsal Reinforcement Bars 320mm	320
22.110.350.00	AOB Dorsal Reinforcement Bars 350mm	350
22.110.370.00	AOB Dorsal Reinforcement Bars 370mm	370



◆ Silva Universal Abdominal Bandage

Silva is a very versatile abdominal bandage consisting of skin-friendly, permanently elastic material. The width of the bandage can be adjusted continuously with a hook-and-loop closure.

Indications

- Bruised or fractured ribs
- Postoperative support bandage
- Scar protection

Function

- Light compression of the affected areas on the torso
- Stabilization of bruised or fractured ribs
- Support of scars which have not healed yet

Permanently elastic, height approx. 24 cm, white. Material: 37% polyamide, 35% cotton, 17% viscose, 11% spandex.

REF	Size	Waist Circumference/cm
40.368.001.00	1	65 - 75
40.368.002.00	2	75 - 90
40.368.003.00	3	90 - 110
40.368.004.00	4	110 - 130

Shoulder Orthosis

Shoulder Immobilizer





◆ Shoulder Immobilizer

The shoulder immobilizer stabilizes and immobilizes the shoulder. The shoulder and the waist strap can easily be adjusted individually, while the large envelope accommodates even large dressings. Available in four sizes.

Indications

- Immobilization of arm and shoulder for conservative treatment of soft tissue injuries and arm fractures
- Postoperative immobilization

Function

- Immobilization and stabilization of the shoulder during postoperative and conservative treatment



REF	Size	Length of Envelope/cm
48.180.002.00	S	34
48.180.003.00	M	39
48.180.004.00	L	44
48.180.005.00	XL	51

Cervical Orthoses

Triko-Pren Wrap-Around Neck Collar
Minerva®
Ortho-Collar
Repona



Cervical Orthoses				
				
	Triko-Pren-Wrap-Around Neck Collar	Minerva®	Ortho-Collar	Repona
	Page 77	Page 78	Page 79	Page 80
Product Features				
Available Height Options	3	3	Continuously Adjustable	Finely Adjustable
Applicable on Lying Patient Without Lifting the Patient's Head				●
Special Feature			Cut-Outs at the Back and Front of the Neck for Postoperative Access	Cut-Outs at the Back and Front of the Neck for Postoperative Access
Primary Indication				
Light Cervical Syndrome	●	●		
Severe Cervical Syndrome			●	●
Degenerative Disease of the Cervical Spine	●			
Rheumatic Symptoms		●		
Severe Spondyloarthropathy			●	
Structural Loosening of the Upper Cervical Spine		●	●	
Luxation of the Upper and Middle Cervical Spine				●
Postoperative Treatment			●	●



◆ Triko-Pren Wrap-Around Neck Collar

Wrap-around neck collar made from soft, breathable foam material.

Indications

- Light cervical syndrome
- Degenerative disease of the cervical spine

Function

- Support of the cervical spine
- Distinct restriction of movement

Length: approx. 2 m

REF	8 mm Thick w/out Reinforcement/Width/cm
20.556.008.00	8
20.556.010.00	10
20.556.012.00	12



◆ Minerva®

Cervical collar made from firm foam material, with a skin-colored cover and hook-and-loop closure. Anatomically shaped, with cut-out at the larynx.

Indications

- Structural loosening of the upper cervical spine
- Light cervical syndrome
- Rheumatic symptoms

Function

- Support of the cervical spine
- Strong restriction of movement

REF	Height in Front/cm
21.034.006.00	6
21.034.008.00	8
21.034.010.00	10



◆ Ortho-Collar

Cervical orthosis made from plastic, with lateral hook-and-loop closures. Anatomically shaped with cut-outs in the front and the back of the neck for postoperative access. Immobilization, support and rotation prevention of the middle and upper cervical spine, with shoulder rests.

Indications

- Severe spondyloarthropathy
- Severe cervical syndrome
- Structural loosening of the upper cervical spine
- Postoperative treatment

Function

- Light extension of the cervical spine through height adjustment in the chin and neck area by 15 mm

REF	Size	Neck Circumference/cm	Height/cm
21.268.002.00	S	26 - 35	8 - 11
21.268.003.00	M	33 - 40	8 - 11
21.268.004.00	L	39 - 48	8 - 11



◆ Repona

Individually adjustable cervical orthosis made from lightweight, robust aluminum. The Repona Cervical Collar is easy to don and doff, and is therefore especially suitable for clinical use. Extension can be adjusted very accurately with adjusting screws.

Indications

- Moderate to severe cervical syndrome
- Luxation of the middle and upper cervical spine
- Postoperative treatment

Function

- Fixation of the cervical spine both on the A/P and M/L plane
- Rotation prevention of the cervical spine through fixation of the chin and the back of the head, with shoulder rests and rigid connection to the chest

REF	Size
20.535.002.00	for Adults

Orthoses for Children



Mignon® Abduction Brace
Pavlik Harness
Coxaflex® Flexion-Abduction Splint
Correctio Abduction Brace





◆ Mignon® Abduction Brace

Classic abduction brace, with spreader component with fixed abduction width, or continuously adjustable spreader component.

Indications

- Hip dysplasia
- Treatment of luxation and subluxation after repositioning of the hip joint

Function

- Fixation of hip joints in abduction and flexion



Design example,
Fabric pattern may vary.

Version with Spreader Component with Fixed Width

REF	Abduction Width/cm
20.524.010.00	10
20.524.012.00	12
20.524.014.00	14
20.524.016.00	16
20.524.018.00	18
20.524.020.00	20
20.524.022.00	22
20.524.024.00	24
20.524.026.00	26
20.524.028.00	28

Version with Continuously Adjustable Spreader Component

REF	Abduction Width/cm
20.525.000.00	14 - 16
20.525.001.00	15 - 18
20.525.002.00	17 - 21
20.525.003.00	20 - 25
20.525.004.00	24 - 30
20.525.005.00	29 - 37



◆ Pavlik Harness

Especially comfortable harness. The Pavlik Harness can be used to set the hip-knee-flexion to a degree of 90° to 120°. The harness consists of shoulder straps, a chest strap, as well as medial and lateral leg straps with foot parts. The foot parts feature very stable soles which prevent the baby's feet from being squeezed. Over the course of the therapy, the length of the straps can be adjusted.

Indications

- Hip displasia
- Functional treatment of hip luxation

Function

- Dynamic functional method



REF	Size	Chest Circumference in cm	Foot Length max./cm	Included in Delivery
23.400.011.00	S	30 - 40	6	Chest Part Size S, Foot Part Size S
23.400.012.00	S+	30 - 40	7.5	Chest Part Size S, Foot Part Size M
23.400.022.00	M	40 - 50	7.5	Chest Part Size M, Foot Part Size M

Optional Accessories

REF	Product
23.402.000.00	Pavlik Harness Pad Kit



◆ Coxaflex® Flexion-Abduction Splint

as devised by Prof. Dr. med. J. Gekeler

The Coxaflex Flexion-Abduction-Splint as devised by Prof. Gekeler is a tried-and-trusted orthosis for the alignment and adjustment of hip joints. It consists of an adjustable strap system, a continuously variable abduction splint and integrated leg braces. The Coxaflex centers the hip joints in a natural position of 90° to 100° of flexion and an abduction of 45° to 50°. By positioning the patient's femurs this way, any extension or adduction that might provoke luxation or dysplasia is avoided.

The flexion-abduction splint Coxaflex allows for a precisely controllable, unconstrained alignment of the lower extremities in flexion and abduction. It helps to immobilize the femoral head with an instable or dysplastic hip joint structure (i.e. developmental hip disorder).

Indications

- Securing hip joints that are prone to dislocate
- Hip dysplasia
- Set hip luxations

Function

- Alignment of the hip joints
- Adjustment of the hip joints in abduction and flexion



REF	Size	Min. Brace Spread/cm	Max. Brace Spread/cm	Weight/g
23.300.000.00	XS	8.0	13.5	148
23.300.001.00	S	9.5	16	153
23.300.002.00	M	11	17.5	172
23.300.003.00	L	12.5	19	192
23.300.004.00	XL	17.5	24	200



◆ Correctio Abduction Brace

as devised by Dr. Koszla

The Correctio Abduction Brace features individually adjustable abduction splints, making it possible to adjust the desired flexion angle continuously.

Indications

- Hip displasia
- Treatment of luxation and subluxation after repositioning of the hip joint

Function

- Adjustment of the hip joints in abduction and flexion



REF	Size	Abduction Width/cm
20.519.000.00	0	16 - 20
20.519.001.00	1	20 - 24
20.519.002.00	2	22 - 26
20.519.003.00	3	26 - 30
20.519.004.00	4	30 - 34

◆ Order Form Suspensory Bandage

+49 (0) 7161 15684 - 333

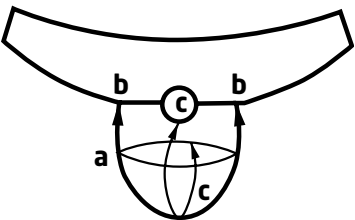
Company Stamp:

Company Name: _____

Customer No.: _____

Contact: _____

Date: _____ Signature: _____



To take the measurements for a suspensory bandage, 3 measurements are required (see drawing). Measure according to the drawing: measurement "a-a" is a circular measurement, measurements "b-b" and "c-c" should be taken from one point to the other.

a in cm	b-b in cm	c-c in cm
_____	_____	_____

Model	Quantity
H II	_____
H II L	_____
8	_____
317	_____
317 G	_____

◆ Order Form DynaCox® evolution

+49 (0) 7161 15684 - 333

Company Stamp:

Company Name: _____

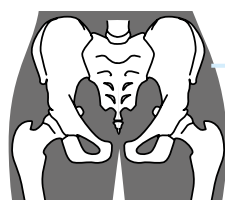
Customer No.: _____

Contact: _____

Date: _____

Signature: _____

Measurements for Fitting Size Selection



Hip circumference 6 cm above trochanter major

_____ cm

Height trochanter major (starting point for measuring)

Desired Version

Side _____

☐ Left☐ Right

Joint _____

☐ TRI-Flex☐ ROM-Flex

Alternatively, select the desired side, joint version and size based on the hip measurement from the REFs below:

DynaCox® evolution with TRI-Flex Joint

REF Left	REF Right	Size	Hip Circumference/cm
23.600.101.00	23.600.201.00	S	70 - 85
23.600.102.00	23.600.202.00	M	85 - 100
23.600.103.00	23.600.203.00	L	100 - 120
23.600.104.00	23.600.204.00	XL	115 - 135
23.600.105.00	23.600.205.00	2XL	130 - 150

DynaCox® evolution with ROM-Flex Joint

REF Left	REF Right	Size	Hip Circumference/cm
23.600.101.01	23.600.201.01	S	70 - 85
23.600.102.01	23.600.202.01	M	85 - 100
23.600.103.01	23.600.203.01	L	100 - 120
23.600.104.01	23.600.204.01	XL	115 - 135
23.600.105.01	23.600.205.01	2XL	130 - 150

◆ Order Form HOS Hip Orthosis Stuttgart

+49 (0) 7161 15684 - 333

Company Stamp:

Company Name: _____

Customer No.: _____

Contact: _____

Date: _____

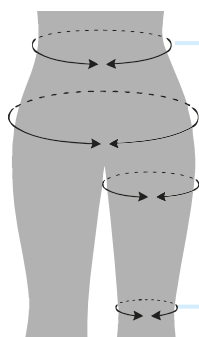
Signature: _____

Hip Orthosis Stuttgart, Custom Version

REF Model "Standard"	REF Model "Blue"	Side
22.020.999.00	22.350.999.00	Right/Left
22.020.300.00	22.350.300.00	Bilateral

Specifications for Your Custom Configuration. Please check desired properties.

"Model Standard"	☐ Straight	☐ Cranked	"Model Blue"	☐ Straight	☐ Cranked
Side	☐ Left	☐ Right	☐ Bilateral		
Anti-Rotation Component	☐ S	☐ M	☐ L		



cm

Waist Circumference

cm

Hip Circumference

cm

Proximal Thigh Circumference

cm

Distal Thigh Circumference

Your Alternative: Select a Standard Size (Double Joint, Straight)

Please note the measurements given below.

REF Left	REF Right	Size	Waist/cm	Hip/cm	Thigh Proximal/cm	Thigh Distal/cm
Hip Orthosis Stuttgart, with Double Joint, Bar "Standard"						
22.020.100.00	22.020.200.00	S	60 - 82	68 - 90	44 - 53	34 - 41
22.021.100.00	22.021.200.00	M	80 - 96	90 - 110	48 - 60	36 - 45
22.022.100.00	22.022.200.00	L	94 - 115	106 - 126	57 - 68	42 - 49
22.023.100.00	22.023.200.00	XL	99 - 120	111 - 131	62 - 76	46 - 56
Hip Orthosis Stuttgart, with Double Joint, Bar "Blue"						
22.350.100.00	22.350.200.00	S	60 - 82	68 - 90	44 - 53	34 - 41
22.351.100.00	22.351.200.00	M	80 - 96	90 - 110	48 - 60	36 - 45
22.352.100.00	22.352.200.00	L	94 - 115	106 - 126	57 - 68	42 - 49
22.353.100.00	22.353.200.00	XL	99 - 120	111 - 131	62 - 76	46 - 56

Anti-Rotation Component for HOS

REF Left	REF Right	Size	Shoe Size
22.355.101.00	22.355.201.00	S	36 - 39
22.355.102.00	22.355.202.00	M	40 - 43
22.355.103.00	22.355.203.00	L	44 - 46

◆ Order Forms MLO Dynamic

+49 (0) 7161 15684 - 333

Company Stamp:

Company Name: _____

Customer No.: _____

Contact: _____

Date: _____

Signature: _____

MLO Dynamic, Height Panel Type III: 27 cm, Patient Shorter Than 165 cm

REF	Size	Hip Circumference/cm	Quantity
23.510.010.00	XS	55 - 70	_____
23.510.011.00	S	65 - 80	_____
23.510.012.00	M	75 - 90	_____
23.510.013.00	L	85 - 100	_____
23.510.014.00	XL	95 - 110	_____
23.510.015.00	2XL	105 - 120	_____
23.510.016.00	3XL	115 - 130	_____

MLO Dynamic, Height Panel Type III: 29 cm, Patient Height 165 - 175 cm

REF	Size	Hip Circumference/cm	Quantity
23.510.020.00	XS	55 - 70	_____
23.510.021.00	S	65 - 80	_____
23.510.022.00	M	75 - 90	_____
23.510.023.00	L	85 - 100	_____
23.510.024.00	XL	95 - 110	_____
23.510.025.00	2XL	105 - 120	_____
23.510.026.00	3XL	115 - 130	_____

MLO Dynamic, Height Panel Type III: 31 cm, Patient Taller Than 175 cm

REF	Size	Hip Circumference/cm	Quantity
23.510.030.00	XS	55 - 70	_____
23.510.031.00	S	65 - 80	_____
23.510.032.00	M	75 - 90	_____
23.510.033.00	L	85 - 100	_____
23.510.034.00	XL	95 - 110	_____
23.510.035.00	2XL	105 - 120	_____
23.510.036.00	3XL	115 - 130	_____

◆ Order Form Osteo-Light Orthosis

+49 (0) 7161 15684 - 333

Company Stamp:

Company Name: _____

Customer No.: _____

Contact: _____

Date: _____

Signature: _____

Taking Measurements for the Osteo-Light Orthosis

To select a fitting size, two circumference measurements of the patient are required. Measure both the hip circumference and the abdominal circumference. Use the larger of the two circumference measurements to select the orthosis.

TIP: Please Note the Following for Threshold Values

If you use the hip circumference to select a size, chose the smaller size in case of doubt (e.g. hip circumference 92 cm - size M). If you use the abdominal circumference to select a size, chose the larger size in case of doubt (e.g. abdominal circumference 92 cm - size L).

Osteo-Light Orthosis, Long Version, Patient Taller Than 165 cm

REF	Size	Circumference/cm	Quantity
22.410.001.00	S	72 - 82	_____
22.410.002.00	M	82 - 92	_____
22.410.003.00	L	92 - 102	_____
22.410.004.00	XL	102 - 112	_____
22.410.005.00	2XL	112 - 122	_____
22.410.006.00	3XL	122 - 132	_____

Osteo-Light Orthosis, Short Version, Patient Shorter Than 165 cm

REF	Size	Circumference/cm	Quantity
22.411.001.00	S	72 - 82	_____
22.411.002.00	M	82 - 92	_____
22.411.003.00	L	92 - 102	_____
22.411.004.00	XL	102 - 112	_____
22.411.005.00	2XL	112 - 122	_____
22.411.006.00	3XL	122 - 132	_____

◆ Order Form Osteo-Comfort Orthosis

+49 (0) 7161 15684 - 333

Company Stamp:

Company Name: _____

Customer No.: _____

Contact: _____

Date: _____

Signature: _____

Taking Measurements for the Osteo-Comfort Orthosis

Two circumference measurements of the patient are required to select a fitting Osteo-Comfort. Measure both the hip circumference and the abdominal circumference. Use the larger of the two circumference measurements to select the orthosis.

Osteo-Comfort Orthosis, Long Version, Patient Taller Than 165 cm

REF	Size	Circumference/cm	Quantity
22.610.020.00	XS	55 - 70	_____
22.610.021.00	S	65 - 80	_____
22.610.022.00	M	75 - 90	_____
22.610.023.00	L	85 - 100	_____
22.610.024.00	XL	95 - 110	_____
22.610.025.00	2XL	105 - 120	_____
22.610.026.00	3XL	115 - 130	_____

Osteo-Comfort Orthosis, Short Version, Patient Shorter Than 165 cm

REF	Size	Circumference/cm	Quantity
22.610.010.00	XS	55 - 70	_____
22.610.011.00	S	65 - 80	_____
22.610.012.00	M	75 - 90	_____
22.610.013.00	L	85 - 100	_____
22.610.014.00	XL	95 - 110	_____
22.610.015.00	2XL	105 - 120	_____
22.610.016.00	3XL	115 - 130	_____

◆ Order Form AOB Torso Brace System

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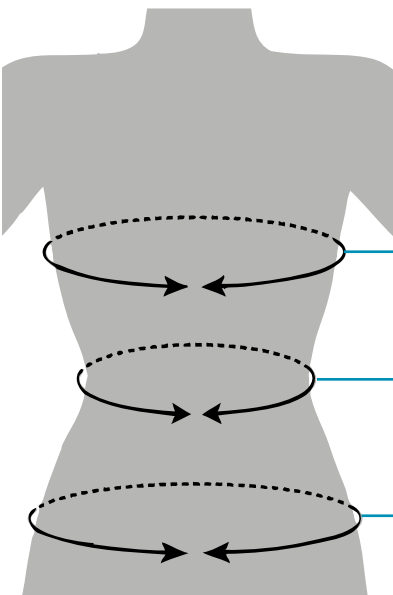
Company Stamp:

Company Name: _____

Customer No.: _____

Contact: _____

Date: _____ Signature: _____



cm

Circumference Below Chest

cm

Waist Circumference

cm

Hip Circumference Above Trochanter

Further Information and Additional Components for Your Order

Lordosis	☐ 0°	☐ 15°		
Closure	☐ 170 mm	☐ 200 mm	☐ 220 mm	☐ 240 mm
Additional Reclination Supports	☐ S	☐ M	☐ L	
Additional Dorsal Reinforcement Bars	☐ 230 mm ☐ 320 mm	☐ 280 mm ☐ 350 mm	☐ 300 mm ☐ 370 mm	

◆ Declaration of Conformity

We, the Wilhelm Julius Teufel GmbH, declare under our sole responsibility that the medical devices that are produced and/or sold by us and are listed in this catalog comply with the requirements of the Medical Device Regulation MDR 2017/745, which are applicable according to MDR 2017/745 Annex VIII, Rule 1, and that they are Class 1 Medical Devices.

◆ Warranty Overview

Generally, the warranty period is 12 months. Differing warranty periods can be found in the table below. Periods of limitation and defect claims are listed in the current edition of the Teufel Terms and Conditions. As a rule, the period of limitations begins upon purchase if a purchase has been arranged.

Product Group	Limitation of Claim
Dorsalex® Orthoses	6 Months
DynaCox® evolution Hip Orthosis	9 Months
Suspensory Bandages	6 Months

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20.524.026.00.....	82	21.496.201.00.....	16	21.593.201.00.....	17	21.865.001.00.....	25
20.524.028.00.....	82	21.496.202.00.....	16	21.593.202.00.....	17	21.865.175.00.....	25
20.525.000.00.....	82	21.496.203.00.....	16	21.593.203.00.....	17	21.865.185.00.....	25
20.525.001.00.....	82	21.496.204.00.....	16	21.593.204.00.....	17	21.865.195.00.....	25
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20.525.003.00.....	82	21.523.125.00.....	19	21.594.140.00.....	17, 22	21.865.285.00.....	25
20.525.004.00.....	82	21.523.225.00.....	19	21.594.142.00.....	17, 22	21.865.295.00.....	25
20.525.005.00.....	82	21.525.001.00.....	18	21.594.144.00.....	17, 22	21.866.025.00.....	25
20.527.129.00.....	13	21.525.002.00.....	18	21.594.146.00.....	17, 22	21.872.400.00.....	26
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20.527.137.00.....	13	21.525.004.00.....	18	21.594.240.00.....	17, 22	21.883.000.00.....	25
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20.527.229.00.....	13	21.532.185.00.....	18	21.594.244.00.....	17, 22	21.979.100.00.....	18
20.527.233.00.....	13	21.532.275.00.....	18	21.594.246.00.....	17, 22	21.979.200.00.....	18
20.527.237.00.....	13	21.532.285.00.....	18	21.614.100.00.....	18	21.980.100.00.....	18
20.527.242.00.....	13	21.533.175.00.....	18	21.614.200.00.....	18	21.980.200.00.....	18
20.535.002.00.....	80	21.533.185.00.....	18	21.617.100.00.....	18	21.981.175.00.....	19
20.556.008.00.....	77	21.533.275.00.....	18	21.617.200.00.....	18	21.981.185.00.....	19
20.556.010.00.....	77	21.533.285.00.....	18	21.669.000.00.....	65	21.981.275.00.....	19
20.556.012.00.....	77	21.536.101.00.....	16	21.669.001.00.....	65	21.981.285.00.....	19
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20.902.001.00.....	65	21.536.103.00.....	16	21.669.003.00.....	65	21.982.200.00.....	19
20.902.002.00.....	65	21.536.104.00.....	16	21.669.004.00.....	65	21.985.100.00.....	12
20.902.003.00.....	65	21.536.201.00.....	16	21.669.005.00.....	65	21.985.200.00.....	12
20.902.004.00.....	65	21.536.202.00.....	16	21.697.001.10.....	69	21.986.100.00.....	12
21.034.006.00.....	78	21.536.203.00.....	16	21.697.001.11.....	69	21.986.200.00.....	12
21.034.008.00.....	78	21.536.204.00.....	16	21.697.002.10.....	69	22.002.001.00.....	70
21.034.010.00.....	78	21.539.101.00.....	16	21.697.002.11.....	69	22.002.002.00.....	70
21.128.100.00.....	11	21.539.102.00.....	16	21.697.003.10.....	69	22.002.003.00.....	70
21.128.200.00.....	11	21.539.103.00.....	16	21.697.003.11.....	69	22.002.004.00.....	70
21.129.100.00.....	11	21.539.104.00.....	16	21.697.004.10.....	69	22.002.005.00.....	70
21.129.200.00.....	11	21.539.201.00.....	16	21.697.004.11.....	69	22.002.006.00.....	70
21.268.002.00.....	79	21.539.202.00.....	16	21.705.000.00.....	66	22.002.007.00.....	70
21.268.003.00.....	79	21.539.203.00.....	16	21.705.010.00.....	66	22.002.008.00.....	70
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21.277.206.00.....	37	21.586.001.00.....	17	21.788.010.00.....	66	22.002.018.00.....	70

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22.005.012.00.....	70	22.103.014.00.....	70	22.390.502.00.....	8	22.710.203.00.....	23
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22.013.051.00.....	53	22.110.370.00.....	71	22.390.700.97.....	10	22.718.103.00.....	23
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