



ING corporation, spol. s r.o.



2004 PRODUCT CATALOGUE

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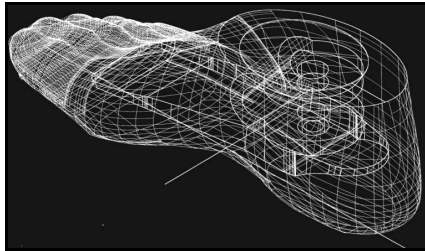
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Výroba ortopedicko-protetických
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Dear business partners,

we would like to introduce the products of our company – ING corporation, spol. s r.o.

ING corporation, s.r.o. was based as a family-owned company in 1991. We are involved in the production of Custom-made orthoses and prostheses & Orthotic and prosthetic systems.

We intend to help people. To reach this goal we are focused on the following criteria of our work :



MODERN DESIGN

Computer Aided Design - CAD method



TESTING OF PRODUCTS

ISO standard tests
Performance tests



QUALITY

Quality Management System
DIN EN ISO 9001:2000



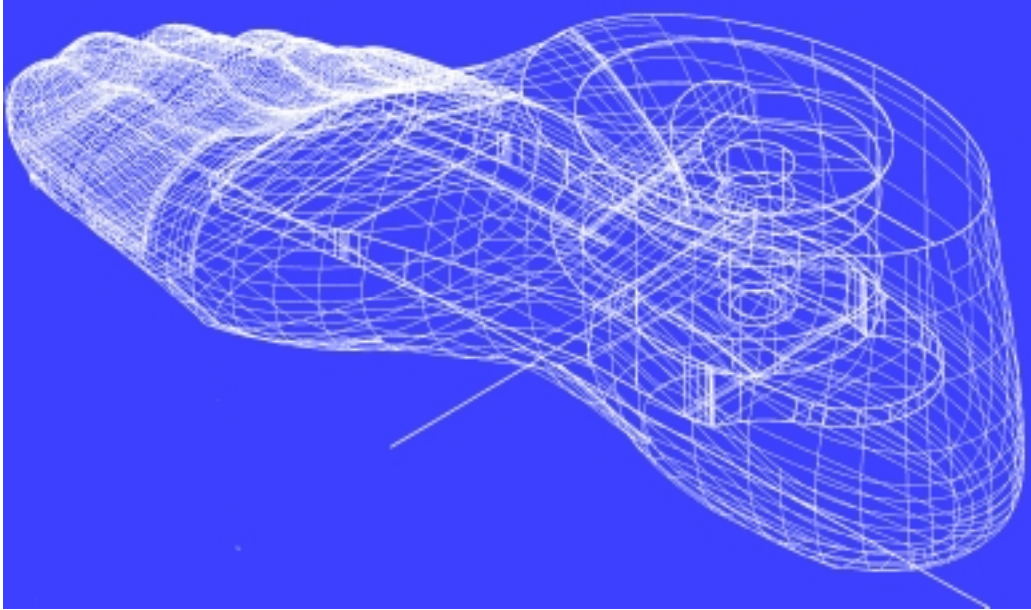
DECLARATION OF CONFORMITY

Products confirm to the MDD 93/42/EEC

We believe, that you will find some of our products in this catalogue interesting for your activities.

Ing. Milan Pustka

Ing. Jiří Rosický, CSc.



Innovation and modern ways of design and production represent the most important criteria of our work.

We use the **Computer Aided Design – CAD method** as a standard method of our research and development work.

CAD design is the tool that helps us to provide high technical and quality standard of our products.



We perform the **field trial tests** and the **laboratory tests according to ISO 10328 standard**.

Field trial tests ensure good and reliable function of our products.

Laboratory tests of prosthetic components according to 10328 are performed to prove the design, used materials and compatibility of components. The test method specified in ISO 10328 use static and cyclic strength tests.

The **static tests** relate to the worst loads generated in any activity. The **cyclic tests** relate to normal walking activities where loads occur regularly with each step.

Testing of products ensures the safety, function and reliability of the products.



Our goal is to ensure **the highest quality of our products and service** to our customers and partners.

We have introduced the **Quality Management System according to ISO 9001:2000** Standard to reach the highest quality level of design, production and sale of orthopaedic-prosthetic devices.

We have received the **Certificate DIN EN ISO 9001:2000** issued by German authority **TUV CERT**.



All our medical products represent Class 1 Devices and **conform to The Medical Device Directive 93/42/EEC.**

To prove this conformity we have worked out the **Declaration of Conformity** for our products.

A. Prosthetic Components

A02 - A03	Foot Adaptors
A04 - A05	Tube Adaptors
A06 - A08	Connecting Adaptors
A09 - A12	Socket Adaptors
A13	Prosthetic Feet
A14	Feet and Prosthesis accessories
A15	Knee Joints



B. SpinePOINT Spinal Orthoses

B02	Modular Orthoses for Spinal Control
B03	Cervical Orthosis
B03	Hyperextension Orthosis with Pelvic Bar
B04	Hyperextension Orthosis with Pelvic Pad
B04	Hyperextension Orthosis with Pelvic Assembly
B05	Modifications of Hyperextension Orthoses



C. Upper Limb Orthoses

C02	Modular Arm Abduction Orthosis
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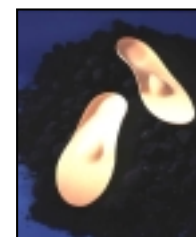
D. Lower Limb Orthoses

D02	Knee Orthosis with Controlled Range of Motion
D03	Knee Orthosis with Polycentric Hinges
D04	Knee Hinges



E. Foot Orthoses

E02	ISV Foot Orthoses
E02	SilSTEP Foot Orthoses



F. Diagnostic Devices

F02	Podometer
F02	OrthoLASER Device
F03	Vacuum Press



Foot Adaptors
A02 - A03



Tube Adaptors
A04 - A05



Connecting Adaptors
A06 - A08



Socket Adaptors
A09 - A12



Prosthetic Feet
A13



Feet and Prosthesis Accessories
A14



Knee Joints
A15



PROSTHETIC COMPONENTS SELECTION GUIDE

Activity Impact Levels



Activity level 1

Daily activities with limited and steady actions, walking on the flat surface with a constant low speed.



Activity level 2

Daily activities with limited and steady actions, walking on the uneven surface with a constant low speed.



Activity level 3

Daily activities with common actions. Sport activities at moderate levels of impact such as prolonged walking, jogging, hiking.



Activity level 4

Daily activities with a high level of impact. Sport activities such as climbing, jumping and other active sports.

Activity Impact Level Selection Guide

Lower limb prosthetic components are utilized for patients with activity level 1-4 and maximum weight of 125 kg.

To select the right adaptor please use the following chart:

- A** - adaptors made from aluminium
- I** - adaptors made from machined steel
- G** - adaptors made from cast stainless steel
- C** - adaptors made from composite

Activity Impact Level	Patient's weight		
	up to 80 kg	80 kg - 100 kg	100 kg - 125 kg
Level 1	A C	A C	I / G C
Level 2		I / G C	
Level 3	I / G C		
Level 4	I / G C		

Modular SACH Foot Adaptor – Aluminium



Modular SACH Foot Adaptor with screw and washer. Adaptor – aluminium, pyramid stainless steel. Screw M8 or M10.

Order No.	Description	Weight	Unit
2A1=M8	Modular SACH Foot Adaptor – screw M8	86 g	piece
2A1=M10	Modular SACH Foot Adaptor – screw M10	100 g	piece

Modular SACH Foot Adaptor – Steel



Modular SACH Foot Adaptor with screw and washer. Adaptor - machined steel (211) or cast stainless steel (2G1), pyramid stainless steel. Screw M8 or M10.

Order No.	Description	Weight	Unit
2I1=M8	SACH Foot Adaptor – screw M8	130 g	piece
2I1=M10	SACH Foot Adaptor – screw M10	144 g	piece
2G1=M8	SACH Foot Adaptor – screw M8	79 g	piece
2G1=M10	SACH Foot Adaptor – screw M10	86 g	piece

Modular SACH Foot Adaptor Components – Cap Screw M10



Order No.	Description	Weight	Unit
07160100060	Cap Screw M10x60	42 g	piece
37480100001	Washer for cap screw M10	1 g	piece

Modular SACH Foot Adaptor Components – Cap Screw M8



Order No.	Description	Weight	Unit
07160080060	Cap Screw M8x60	26 g	piece
37480080002	Washer for cap screw M8	1 g	piece

Aluminium Tube Adaptor – Aluminium Adaptor



Aluminium alloy tube 30 x 2 mm, 400 mm (long) or 200 mm (short). Adaptor with adjustment screws M8 is made from aluminium alloy.

Order No.	Description	Weight	Unit
2A3A	Tube Adaptor – Aluminium, 400mm	270 g	piece
2A3A=200	Tube Adaptor – Aluminium, 200mm	173 g	piece

Aluminium Tube Adaptor – Steel Adaptor



Aluminium alloy tube 30 x 2 mm, 400 mm (long) or 200 mm (short). Adaptor with adjustment screws M8 is made from steel.

Order No.	Description	Weight	Unit
2A3I	Tube Adaptor – Steel, 400mm	310 g	piece
2A3I=200	Tube Adaptor – Steel, 200mm	213 g	piece

Composite Tube Adaptor - Aluminium Adaptor



Composite tube 30 x 2 mm, 400 mm (long) or 200 mm (short). Adaptor with adjustment screws M8 is made from aluminium alloy.

Order No.	Description	Weight	Unit
2C3A	Composite Tube Ad. – Aluminium, 400mm	206 g	piece
2C3A=200	Composite Tube Ad. – Aluminium, 200mm	141 g	piece

Composite Tube Adaptor - Steel Adaptor



Composite tube 30 x 2 mm, 400 mm (long) or 200 mm (short). Adaptor with adjustment screws M8 is made from steel.

Order No.	Description	Weight	Unit
2C3I	Composite Tube Adaptor – Steel, 400mm	246 g	piece
2C3I=200	Composite Tube Adaptor – Steel, 200mm	181 g	piece

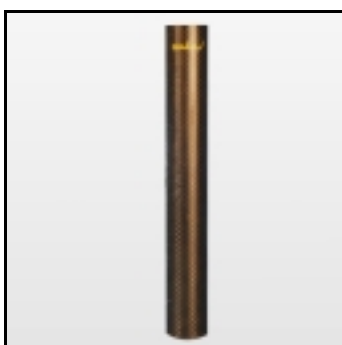
Aluminium Tube 30 mm



Aluminium alloy tube 30 x 2 mm, 400 mm (long) or 200 mm (short).

Order No.	Description	Weight	Unit
2A3	Aluminium alloy tube, 400 mm	194 g	piece
2A3=200	Aluminium alloy tube, 200 mm	97 g	piece

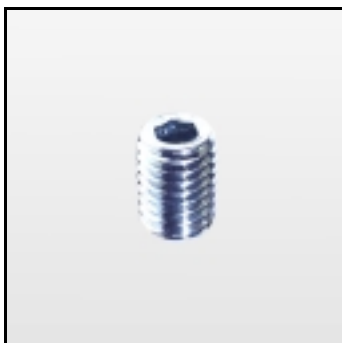
Composite Tube 30 mm



Composite tube 30 x 2 mm, 400 mm (long) or 200 mm (short).

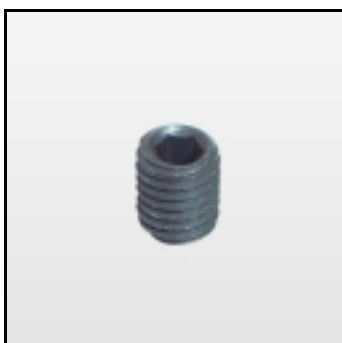
Order No.	Description	Weight	Unit
2C3	Composite tube, 400 mm	130 g	piece
2C3=200	Composite tube, 200 mm	65 g	piece

Aluminium Adaptors – Adjustment Screws



Order No.	Description	Weight	Unit
07860080008	Adjustment Screw M8x8 zink plated	1,5 g	piece
07860080010	Adjustment Screw M8x10 zink plated	2,5 g	piece
07860080012	Adjustment Screw M8x12 zink plated	3,0 g	piece
07860080014	Adjustment Screw M8x14 zink plated	3,5 g	piece
07860080016	Adjustment Screw M8x16 zink plated	4,0 g	piece
07860080020	Adjustment Screw M8x20 zink plated	5,0 g	piece

Steel Adaptors – Adjustment Screws



Order No.	Description	Weight	Unit
07810080008	Adjustment Screw M8x8	1,5 g	piece
07810080010	Adjustment Screw M8x10	2,5 g	piece
07810080012	Adjustment Screw M8x12	3,0 g	piece
07810080014	Adjustment Screw M8x14	3,5 g	piece
07810080016	Adjustment Screw M8x16	4,0 g	piece
07810080020	Adjustment Screw M8x20	5,0 g	piece

Tube Clamp Adaptor with Adjustment Screws - Aluminium



Tube Clamp Adaptor with Adjustment Screws M8 for the tube 30 mm – made from aluminium alloy.

Order No.	Description	Weight	Unit
4A1	Tube Clamp Adaptor with Adjustment Screws - Aluminium	90 g	piece

Tube Clamp Adaptor with Adjustment Screws - Steel



Tube Clamp Adaptor with Adjustment Screws M8 for the tube 30 mm – made from steel.

Order No.	Description	Weight	Unit
411	Tube Clamp Adaptor with Adjustment Screws - Steel	135 g	piece

Tube Clamp Adaptor with Pyramid – Aluminium



Tube Clamp Adaptor with Pyramid for the tube 30 mm – made from aluminium alloy and steel (pyramid).

Order No.	Description	Weight	Unit
4A3	Tube Clamp Adaptor with Pyramid – Aluminium/steel	95 g	piece

Tube Clamp Adaptor with Pyramid – Steel



Tube Clamp Adaptor with Pyramid for the tube 30 mm – made from steel.

Order No.	Description	Weight	Unit
413	Tube Clamp Adaptor with Pyramid – Steel	165 g	piece

Double Adaptor with Adjustment Screws – Aluminium, length 35 mm



Double Adaptor with Adjustment Screws M8, length 35 mm – made from aluminium alloy.

Order No.	Description	Weight	Unit
4A9=35	Double Adaptor with Adjustment Screws – Aluminium, length 35 mm	100 g	piece

Double Adaptor with Adjustment Screws – Aluminium, length 45 mm



Double Adaptor with Adjustment Screws M8, length 45 mm – made from aluminium alloy.

Order No.	Description	Weight	Unit
4A9=45	Double Adaptor with Adjustment Screws – Aluminium, length 45 mm	112 g	piece

Double Adaptor with Adjustment Screws – Aluminium, length 60 mm



Double Adaptor with Adjustment Screws M8, length 60 mm – made from aluminium alloy.

Order No.	Description	Weight	Unit
4A9=60	Double Adaptor with Adjustment Screws – Aluminium, length 60 mm	125 g	piece

Double Adaptor with Adjustment Screws – Aluminium, length 75 mm



Double Adaptor with Adjustment Screws M8, length 75 mm – made from aluminium alloy.

Order No.	Description	Weight	Unit
4A9=75	Double Adaptor with Adjustment Screws – Aluminium, length 75 mm	142 g	piece

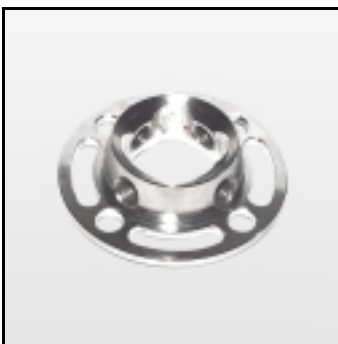
Rotatable Adaptor with Adjustment Screws - Aluminium



Rotatable Adaptor with Adjustment Screws M8 made from aluminium. It is compatible with adaptors 5P1 and 5A1.

Order No.	Description	Weight	Unit
4A2	Rotatable Adaptor with Adjustment Screws - Aluminium	70 g	piece

Rotatable Adaptor with Adjustment Screws - Steel



Rotatable Adaptor with Adjustment Screws M8 made from steel. It is compatible with adaptors 5P1 and 5A1.

Order No.	Description	Weight	Unit
4I2	Rotatable Adaptor with Adjustment Screws - Steel	102 g	piece

Rotatable Adaptor with Pyramid – Aluminium



Rotatable Adaptor with Pyramid made from aluminium and steel (pyramid). It is compatible with adaptors 5P1 and 5A1.

Order No.	Description	Weight	Unit
4A4	Rotatable Adaptor with Pyramid – Aluminium	62 g	piece

Rotatable Adaptor with Pyramid - Steel



Rotatable Adaptor with Pyramid made from steel. It is compatible with adaptors 5P1 and 5A1.

Order No.	Description	Weight	Unit
4I4	Rotatable Adaptor with Pyramid – Steel	104 g	piece

BK Socket Adaptor with Pyramid and Lamination Anchor – Aluminium



BK Socket Adaptor with Pyramid and lamination Anchor made from aluminium.

(adaptor with protection cap: **4A5+**)

Order No.	Description	Weight	Unit
4A5	BK Socket Adaptor with Pyramid and Lamination Anchor – Aluminium	64 g	piece

BK Socket Adaptor with Pyramid and Lamination Anchor – Steel/Stainless Steel



BK Socket Adaptor with Pyramid made from steel and lamination Anchor made from steel or cast stainless steel.

(adaptor with protection cap: **4I5+**, **4G5+**)

Order No.	Description	Weight	Unit
4I5	BK Socket Adaptor with Pyramid and Lamination Anchor – machined steel	126 g	piece
4G5	BK Socket Adaptor with Pyramid and laon Anchor - cast stainless steel	110 g	piece

AK Socket Adaptor with Pyramid and Lamination Anchor – Aluminium



AK Socket Adaptor with Pyramid from aluminium and lamination Anchor made from cast stainless steel.

(adaptor with protection cap: **4A7P+**)

Order No.	Description	Weight	Unit
4A7P	AK Socket Adaptor with Pyramid and Lamination Anchor – Aluminium	155 g	piece

AK Socket Adaptor with Pyramid and Lamination Anchor – Steel



AK Socket Adaptor with pyramid and lamination Anchor made from cast stainless steel.

(adaptor with protection cap: **4G7P+**)

Order No.	Description	Weight	Unit
4G7P	AK Socket Adaptor with Pyramid and Lamination Anchor – cast stainless steel	146 g	piece

AK Socket Adaptor with Adjustment Screws and Lamination Anchor – Aluminium



AK Socket Adaptor with Adjustment Screws made from aluminium and lamination Anchor made from cast stainless steel.

(adaptor with lamination cap: **4A8P+**)

Order No.	Description	Weight	Unit
4A8P	AK Socket Adaptor with Adjustment Screws and Lamination Anchor – Aluminium Adaptor	155 g	piece

AK Socket Adaptor with Adjustment Screws and Lamination Anchor – Steel



AK Socket Adaptor with Adjustment Screws made from steel and lamination Anchor made from cast stainless steel.

(adaptor with lamination cap: **4A8P+**)

Order No.	Description	Weight	Unit
4I8P	AK Socket Adaptor with Adjustment Screws and Lamination Anchor – Steel Adaptor	190 g	piece

AK Socket Rotatable Adaptor with Pyramid and Lamination Anchor – Aluminium



AK Socket Rotatable Adaptor with pyramid made from aluminium and lamination anchor made from cast stainless steel.

(adaptor with protection cap: **4A7+**)

Order No.	Description	Weight	Unit
4A7	AK Socket Rotatable Adaptor with Pyramid and Lamination Anchor – Aluminium	168 g	piece

AK Socket Rotatable Adaptor with Pyramid and Lamination Anchor – Steel



AK Socket Rotatable Adaptor with pyramid made from steel and lamination anchor made from cast stainless steel.

(adaptor with protection cap: **4I7+**)

Order No.	Description	Weight	Unit
4I7	AK Socket Rotatable Adaptor with Pyramid and Lamination Anchor – Steel	180 g	piece

AK Rotatable Adaptor with Adjustment Screws and Lamination Anchor – Aluminium



AK Socket Rotatable adaptor with adjustment screws made from aluminium and lamination Anchor made from cast stainless steel.

(adaptor with lamination cap: **4A8+**)

Order No.	Description	Weight	Unit
4A8	AK Rotatable Adaptor with Adjustment Screws and Lamination Anchor - Aluminium Adaptor	164 g	piece

AK Rotatable Adaptor with Adjustment Screws and Lamination Anchor – Steel



AK Socket Rotatable Adaptor with adjustment screws made from steel and lamination Anchor made from cast stainless steel.

(adaptor with lamination cap: **4I8+**)

Order No.	Description	Weight	Unit
4I8	AK Rotatable Adaptor with Adjustment Screws and Lamination Anchor– Steel Adaptor	206 g	piece

Distance Adaptor - Aluminium, length 12 mm



Distance Adaptor, length 12 mm made from aluminium alloy. It is compatible with adaptors 5A1, 5P1.

Order No.	Description	Weight	Unit
4A11=12	Distance Adaptor - Aluminium, length 12 mm	29 g	piece

Distance Adaptor - Aluminium, length 24 mm



Distance Adaptor, length 24 mm made from aluminium alloy. It is compatible with adaptors 5A1, 5P1.

Oder No.	Description	Weight	Unit
4A11=24	Distance Adaptor - Aluminium, length 24 mm	58 g	piece

Socket Attachment Block



Socket Attachment Block made from PUR and plastic - with 4 pieces of M6 screws

Order No.	Description	Weight	Unit
5P1	Socket Attachment Block	204 g	piece

Thermoplastic Socket Adaptor



Socket adaptor made from aluminium alloy for connection to thermoplastic sockets. It is compatible with adaptors 4A2, 4I2, 4A4, 4I4.

Order No.	Description	Weight	Unit
5A1	Thermoplastic Socket Adaptor - aluminium, size 1	126 g	piece
5A2	Thermoplastic Socket Adaptor - aluminium, size 2	130 g	piece



SACH Foot

Order No.	Description	Size	Side	Screw	Max. weight	Unit
1SC1 = L22	SACH foot	22 cm	left	M10	100 kg	piece
1SC1 = L23	SACH foot	23 cm	left	M10	100 kg	piece
1SC1 = L24	SACH foot	24 cm	left	M10	100 kg	piece
1SC1 = L25	SACH foot	25 cm	left	M10	100 kg	piece
1SC1 = L26	SACH foot	26 cm	left	M10	125 kg	piece
1SC1 = L27	SACH foot	27 cm	left	M10	125 kg	piece
1SC1 = L28	SACH foot	28 cm	left	M10	125 kg	piece
1SC1 = L29	SACH foot	29 cm	left	M10	125 kg	piece
1SC1 = L30	SACH foot	30 cm	left	M10	125 kg	piece

Order No.	Description	Size	Side	Screw	Max. weight	Unit
1SC1 = R22	SACH foot	22 cm	right	M10	100 kg	piece
1SC1 = R23	SACH foot	23 cm	right	M10	100 kg	piece
1SC1 = R24	SACH foot	24 cm	right	M10	100 kg	piece
1SC1 = R25	SACH foot	25 cm	right	M10	100 kg	piece
1SC1 = R26	SACH foot	26 cm	right	M10	125 kg	piece
1SC1 = R27	SACH foot	27 cm	right	M10	125 kg	piece
1SC1 = R28	SACH foot	28 cm	right	M10	125 kg	piece
1SC1 = R29	SACH foot	29 cm	right	M10	125 kg	piece
1SC1 = R30	SACH foot	30 cm	right	M10	125 kg	piece

SACH Foot with 10mm heel height. SACH Foot consists of wood keel, integrated silicon heel bumper and VULCOLAN reinforcement in the forefoot. Cosmesis cover made from PUR foam.

SACH Foot is compatible with adaptors 2A1=M8/M10, 2I1=M8/M10, 2G1=M8/M10.

SACH Foot is recommended for low active amputees.

SACH Foot Connection Plate



Connection plate for SACH Foot 1SC1. Connection Plate is glued to the cosmetic foam and fit to the adaptors 2A1=M8/M10, 2I1=M8/M10 or 2G1=M8/M10.

Order No.	Description	Unit
1P3	SACH Foot Connection Plate	piece

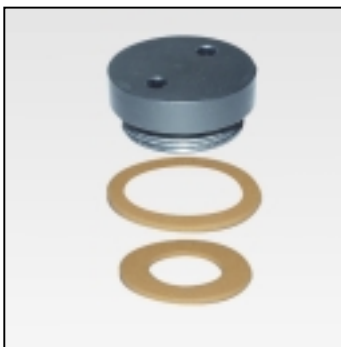
Protection Cap



Protection Cap for lamination of BK and AK Socket Adaptors with Pyramid (4A5, 4G5, 4I5, 4A7P, 4G7P).

Order No.	Description	Unit
LKB	Protection cap for Socket Adaptors with Pyramid	pcs

Lamination Cap



Lamination Cap for lamination of BK and AK Socket Rotatable Adaptors (4A8, 4I8, 4A8P, 4I8P).

Order No.	Description	Unit
LKT	Lamination cap for AK Rotatable Adaptors	pcs

Modular Single Axis Knee Joint with Manual Lock



The Modular Knee Joint 3A1 is used exclusively for the prosthetic fitting of lower limb amputees. It is recommended for low active amputees who require high degree of stability.

Description

The upper joint section and lower joint section are produced from high strength aluminium alloy. Both sections are connected with knee axis. The knee joint is locked when the lack latch catches the adjustment screw M8 in the full extension. The lock mechanism is released by lanyard. The lock handle can be situated for a left or right prosthesis. Upper joint section is constructed with pyramid, lower joint section with tube clamp.

Order	Description	Weight	Unit
3A1	Modular Single Axis Knee Joint with Manual	338 g	piece

The Modular Knee Joint 3A1 can use as an option the extension assist kit.

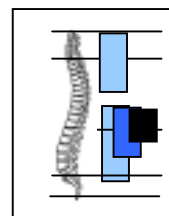
Modular Single Axis Knee Joint with Manual Lock - Components



No.	Description	
1	Upper Joint Section - Pyramid	
2	Lower Joint Section	
3	Plastic Knee Cap	
4	Knee Axis	
5	Axis Screw	
6	Lock Latch	
7	Axis Bushing	
8	Lock Latch Lanyard	
9	Lock Latch Spring	
10	Bowden	
11	Lock Handle - complete	
12	Stainless Cylinder	
13	Stainless Cylinder, thread M4	
14	Washer 12x18x0,3mm	
15	Washer 12x18x0,5mm	
16	Imbus Screw M4x18	
17	Adjustment Screw M8	
18	Adjustment Screw M8x1x16	
19	Pin 5mm, length 24mm	
20	Screw M3	
21	Adjustment Screw - M3x3	
22	Plastic Bumper	
23	Pin 5mm, length 50mm	
24	Insert Tube	
25	Shoulder Screw	Option
26	Shoulder Bushes	Option
27	Rubber Cord	Option
28	Terminal Lug	Option

Modular Orthoses for Spinal Control

B02



Cervical Orthosis

B03



Hyperextension Orthosis with Pelvic Bar

B03



Hyperextension Orthosis with Pubic Pad

B04



Hyperextension Orthosis with Pelvic Assembly

B04



Modifications of Hyperextension Orthoses

B05

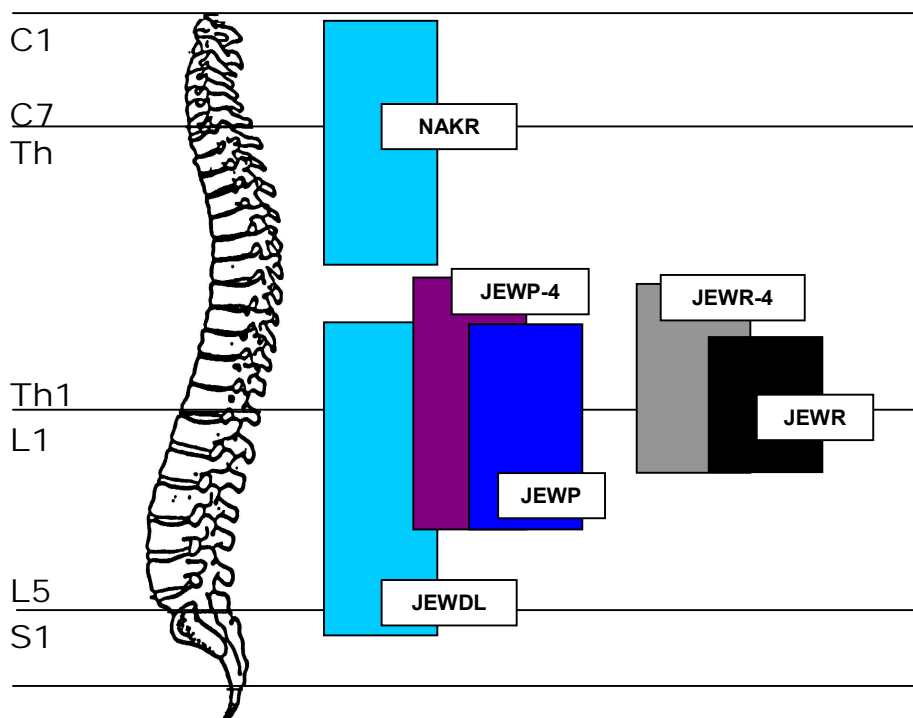


THE MODULAR ORTHOSES FOR SPINAL CONTROL

The **Modular Orthoses for Spinal Control** may be used for the treatment of patients with spinal injuries of traumatic or non-traumatic etiology. The orthoses are designed to be applied in the whole range of spinal treatment.

Fabrication and fitting of the Modular Orthoses for Spinal Control are performed by orthotist.

The proposed way of utilization and location for each model from ING spinal control system is shown below.



Cervical Orthosis



The Cervical Orthosis controls flexion and extension of cervical and upper thoracic spine (above Th6).

The orthosis consists of a trunk part and a head assembly adjustable in length. The fixation is controlled by the extension force acting by two head pads.

Model NAKR is provided in 2 sizes.

Order No.	Description	Unit
NAKR1	Cervical Orthosis, size 1	piece
NAKR2	Cervical Orthosis, size 2	piece

Hyperextension Orthosis with Pelvic Bar



The Hyperextension Orthosis with Pelvic Bar controls flexion of thoracolumbar spine. The pelvic bar reduces pressure and it is recommended for patients unable to tolerate the standard pelvic pad. The orthosis controls flexion with a three point force system.

Model JEWR is provided in 3 sizes.

Order No.	Description	Unit
JEWR0	SpinePOINT with Pelvic Bar, size 0	piece
JEWR1	SpinePOINT with Pelvic Bar, size 1	piece
JEWR2	SpinePOINT with Pelvic Bar, size 2	piece

Hyperextension Orthosis with Pubic Pad



The Hyperextension Orthosis with Pubic Pad controls flexion of thoracolumbar spine. The orthosis controls flexion with a three point force system. The fixation of Model JEWP is higher than fixation of Model JEWR.

Model JEWP is provided in 3 sizes.

Order No.	Description	Unit
JEWP0	SpinePOINT with Pubic Pad, size 0	piece
JEWP1	SpinePOINT with Pubic Pad, size 1	piece
JEWP2	SpinePOINT with Pubic Pad, size 2	piece

Hyperextension Orthosis with Pelvic Assembly



The Hyperextension Orthosis with Pelvic Assembly controls flexion of thoracolumbar spine and lumbosacral motion.

Model JEWDL varies from Model JEWP. The Hyperextension Orthosis with Pelvic assembly with anterior and posterior extensions and pelvic pad.

The fixation of Model JEWDL is higher than fixation of Model JEWP.

Order No.	Description	Unit
JEWDL1	SpinePOINT with Pelvic Assembly, size 1	piece
JEWDL2	SpinePOINT with Pelvic Assembly, size 2	piece

4-Point Modification of Hyperextension Orthosis with Pelvic Bar



The 4-Point Modification of Hyperextension Orthosis with Pelvic Bar controls flexion of thoracolumbar spine and rotary motion.

Model JEWR-4 varies from Model JEWR. The sternal pad is replaced by two thoracic assembly extensions. This model is designed for patients unable to tolerate pressure on the sternum.

Order No.	Description	Unit
JEWR0-4	SpinePOINT with Deltopectoral Pads and Pelvic Bar, size 0	piece
JEWR1-4	SpinePOINT with Deltopectoral Pads and Pelvic Bar, size 1	piece
JEWR2-4	SpinePOINT with Deltopectoral Pads and Pelvic Bar, size 2	piece

4-Point Modification of Hyperextension Orthosis with Pubic Pad



The 4-Point Modification of Hyperextension Orthosis with Pelvic Pad controls flexion of thoracolumbar spine and rotary motion.

This model is designed for patients unable to tolerate pressure on the sternum.

The fixation of Model JEWP-4 is higher than fixation of Model JEWR-4.

Order No.	Description	Unit
JEWP0-4	SpinePOINT with Deltopectoral Pads and Pubic Pad, size 0	piece
JEWP1-4	SpinePOINT with Deltopectoral Pads and Pubic Pad, size 1	piece
JEWP2-4	SpinePOINT with Deltopectoral Pads and Pubic Pad, size 2	piece

Modular Arm Abduction Orthosis

C02



Modular Arm Abduction Orthosis



The Modular Arm Abduction Orthosis is a modular assembly for individual treatment. The Modular Arm Abduction Orthosis may be used for post operative relief and immobilization, for injuries in the shoulder upper arm area, reduced shoulder dislocation, myoplastic or reconstructive procedures.

Order No.	Description	unit
DA	Modular Arm Abduction Orthosis	pcs



Shoulder joint provides the continuous adjustment of the angle of abduction from 0° to 90°. The adjustment of the angle of inner horizontal rotation from 0° to 90° is possible.



Elbow joint provides the fixed adjustment of the angle of inner horizontal rotation from 0 to 120 degrees. It is even possible to adjust the limited motion in the elbow joint in the range of 120 degrees

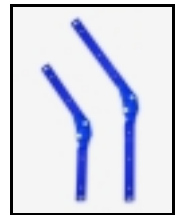
**Knee Orthosis
with Controlled Range of Motion**
D02



**Knee Orthosis
with Polycentric Hinges**
D03



Knee Hinges
D04



Knee Orthosis with Controlled Range of Motion - short



The Knee Orthosis with Controlled Range of Motion - short, is a modular assembly orthosis for individual treatment. The orthosis represents a compact orthosis with a precise R.O.M. (range of motion) adjustments.

The Knee Orthosis with Controlled Range of Motion - short, offers exceptional support and stability - from knee injury through rehabilitation.

Short version, 4 sizes, left / right.

Order No.	Description	Unit
KOLLIM1-1	Knee Orthosis with Controlled Range of Motion - short, size 1, left / right	piece
KOLLIM1-2	Knee Orthosis with Controlled Range of Motion - short, size 2, left / right	piece
KOLLIM1-3	Knee Orthosis with Controlled Range of Motion - short, size 3, left / right	piece
KOLLIM1-4	Knee Orthosis with Controlled Range of Motion - short, size 4, left / right	piece

Knee Orthosis with Controlled Range of Motion - long



The Knee Orthosis with Controlled Range of Motion - long, is a modular assembly orthosis for individual treatment. The orthosis represents a compact orthosis with a precise R.O.M. (range of motion) adjustments.

The Knee Orthosis with Controlled Range of Motion - long, offers exceptional support and stability - from knee injury through rehabilitation.

Long version, 4 sizes, left / right.

Order No.	Description	Unit
KOLLIM2-1	Knee Orthosis with Controlled Range of Motion - long, size 1, left / right	pcs
KOLLIM2-2	Knee Orthosis with Controlled Range of Motion - long, size 2, left / right	pcs
KOLLIM2-3	Knee Orthosis with Controlled Range of Motion - long, size 3, left / right	pcs
KOLLIM2-4	Knee Orthosis with Controlled Range of Motion - long, size 4, left / right	pcs

Knee Orthosis with Polycentric Hinges - short



The Knee Orthosis with Polycentric Hinges-short, is a modular assembly orthosis for individual treatment. The orthosis represents a compact orthosis with a biomechanical function.

The Knee Orthosis with Polycentric Hinges - short, controls a variety of knee instabilities.

Short version, 4 sizes, left / right.

Order No.	Description	Unit
KOL401-1	Knee Orthosis with Polycentric Hinges - short, size 1, left / right	piece
KOL401-2	Knee Orthosis with Polycentric Hinges - short, size 2, left / right	piece
KOL401-3	Knee Orthosis with Polycentric Hinges - short, size 3, left / right	piece
KOL401-4	Knee Orthosis with Polycentric Hinges - short, size 4, left / right	piece

Knee Orthosis with Polycentric Hinges - long



The Knee Orthosis with Polycentric Hinges-long, is a modular assembly orthosis for individual treatment. The orthosis represents a compact orthosis with a biomechanical function.

The Knee Orthosis with Polycentric Hinges - long, controls a variety of knee instabilities.

Long version, 4 sizes, left / right.

Order No.	Description	Unit
KOL402-1	Knee Orthosis with Polycentric Hinges - long, size 1, left / right	piece
KOL402-2	Knee Orthosis with Polycentric Hinges - long, size 2, left / right	piece
KOL402-3	Knee Orthosis with Polycentric Hinges - long, size 3, left / right	piece
KOL402-4	Knee Orthosis with Polycentric Hinges - long, size 4, left / right	piece

Hinge with Controlled Range of Motion - short/long



The Hinge with Controlled Range of Motion provides a precise R.O.M. (range of motion) adjustments.

The adjustment of extension stop from from 0° to 30°.

The adjustment of flexion stop from from 0° to 90°.

Hinges arm length (upper/lower):

Short: 190mm/190mm

Long: 250mm/250mm

Order No.	Description	Unit
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DLLIM1	Hinge with Controlled Range of Motion - short	pair
DLLIM2	Hinge with Controlled Range of Motion - long	pair

State **left** or **right** version.

Polycentric Hinge - short/long



The Polycentric Hinge provides a biomechanical function (rotation and posterior transition). The Hinge ensures medial and lateral stability.

Hinges arm length (upper/lower):

Short: 190mm/190mm

Long: 250mm/250mm

Order No.	Description	Unit
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DL401	Polycentric Hinge - short	pair
DL402	Polycentric Hinge - long	pair

State **left** or **right** version.

ISV Foot Orthoses
Assembly Set for Custom-made Foot Orthoses
E02

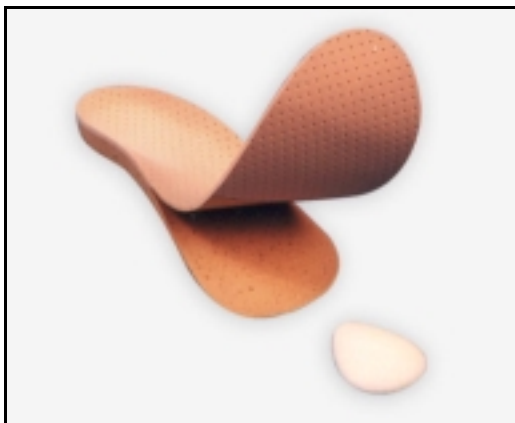


SiSTEP
Silicon Insoles

E03



ISV Foot Orthoses – Assembly Set for Custom-made Foot Orthoses



ISV Foot Orthoses represent the assembly set of components for measure-to-made foot orthoses.

ISV Foot Orthoses contains thermoplastic shells, upper EVA perforated insoles and inserted metatarsal pads. Insoles and shells are glued together in the heel part only.

Grinding or thermoforming could modify shape and form of foot orthoses.

Order No.	Description	Unit
ISV-15	ISV Foot Orthoses, size 15	pair
ISV-16	ISV Foot Orthoses, size 16	pair
ISV-17	ISV Foot Orthoses, size 17	pair
ISV-18	ISV Foot Orthoses, size 18	pair
ISV-19	ISV Foot Orthoses, size 19	pair
ISV-20	ISV Foot Orthoses, size 20	pair
ISV-21	ISV Foot Orthoses, size 21	pair
ISV-22	ISV Foot Orthoses, size 22	pair
ISV-23	ISV Foot Orthoses, size 23	pair

Order No.	Description	Unit
ISV-24	ISV Foot Orthoses, size 24	pair
ISV-25	ISV Foot Orthoses, size 25	pair
ISV-26	ISV Foot Orthoses, size 26	pair
ISV-27	ISV Foot Orthoses, size 27	pair
ISV-28	ISV Foot Orthoses, size 28	pair
ISV-29	ISV Foot Orthoses, size 29	pair
ISV-30	ISV Foot Orthoses, size 30	pair
ISV-30,5	ISV Foot Orthoses, size 30,5	pair

SiISTEP Silicon Insoles



The **SiISTEP** Silicon Insoles are made from the special medical silicon which provides excellent absorption of the shocks and strikes. They can be used for reducing the discomfort, pain and other negative effects generated from long distance walk or run. **SiISTEP** Insoles will retain their shape during all the time of usage.

The production range contains variety of types and sizes according to the customers needs and wishes. Some insoles are made of two silicones with different durometer profiles used on the most sensitive foot areas.

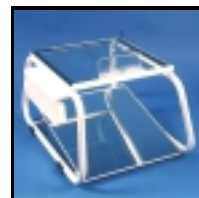
The **SiISTEP** Insoles will be introduced in the special product leaflet.

The following types of silicon insoles will be available:

Order No.	Description	Unit
SiISTEP100	Full Length Silicon Insoles with the metatarsal pad (sizes: 1-6)	pair
SiISTEP200	Full Length Silicon Insoles (sizes: 1-6)	pair
SiISTEP300	3/4 Silicon Insoles (sizes: 1-6)	pair
SiISTEP400	Silicon Heel Cups - high (sizes: 1-3)	pair
SiISTEP500	Silicon Heel Cups - low (sizes: 1-2)	pair
SiISTEP900	Silicon Toe Spreader	pieces

PodoMETER

F02



OrthoLASER

F02

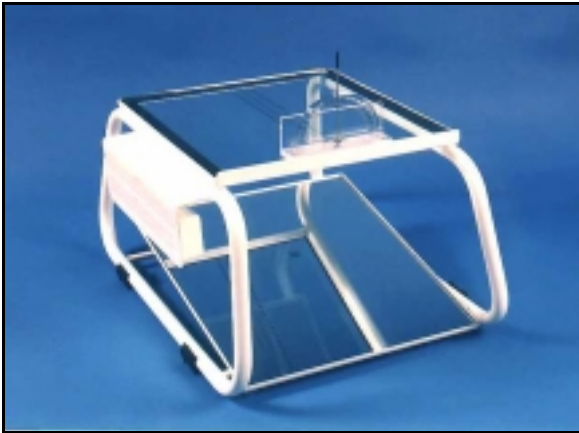


Vacuum Press

F03



PodoMETER



Diagnostic device is used for evaluation of flat foot problems. Direct evaluation of loaded feet, measurement of foot size, heel position. Integrated lamp.

Order	Description	Unit
PDMTR	Podometr – diagnostic device	pcs
DZS9W	Lamp	pcs

OrthoLASER



The OrthoLASER is designed for the alignment of orthoses and prostheses. It can also be used for dealing with posture problems as well as for other measurements in orthopaedics and other branches of medicine.

Features:

- two laser beams (one vertical, second rotatable at an angle range of + 90° to - 90°)
- the laser beams are visible in the daylight
- portable
- easy to use
- adjustable tripod
- swivel laser housing
- independent function of the laser beams (they can be switched on/off separately)

Order	Description	Unit
LASER2	OrthoLASER	pcs

Vacuum Press

Vacuum Press is designed for moulding of thermoplastic materials around casts. Vacuum moulding.

Vacuum pump is not included.

Order No.	Description	Unit
V-LIS	Vacuum Press	piece
SM1	Bladder	piece

