Streifeneder
ortho production

Catalogue
Materials and Equipment
2024

Content

Information about our quality management

We are convinced that our focus on technical innovation and development is the key to continuous product improvement and therefore optimal patient care.

In order to offer our customers exactly the high-quality products they need, we hold ourselves to high standards and fully comply with all legal and regulatory requirements.

We strive for holistic quality

Our many years of experience and the certified quality management system introduced in 1998 compliant with the DIN EN ISO 13485 standard guarantee the quality of our products and the corresponding processes throughout the company.

Certified test laboratory

Functionality and safety are key aspects for medical devices. We conduct in-house tests according to DIN EN ISO 10328* to Verify this for our products in prosthetics. Our test laboratory certified according to DIN EN ISO 17025** is available for this purpose.

Declaration of conformity

Our declaration of conformity confirms that the identified products meet the requirements of Regulation (EU) 2017/745 (MDR). To meet documentation requirements, please apply the self-adhesive article labels of the articles used to the patient certificate and fill out all of the patient information.

Self-adhesive article labels

Use the self-adhesive article labels for documentation of the products used on the patient certificate. In case of a complaint, this customer/patient documentation serves as proof of compliance with all mandatory technical directives for the construction of a prosthesis and of meeting the legal requirements of the medical device law. In the event of a complaint and any warranty or guarantee claim for used goods, the patient certificate must be completed in full and sent to Streifeneder ortho.production GmbH.

Certifications

EN ISO 13485

Quality Management
EN ISO 13485
www.dekra-seal.com

DEKRA
certified

* Structural testing of lower limb prostheses
** For test laboratories

Explanation of Symbols

Textile Care Symbols

Hand wash (at 40 °C)

30 °C mild fine wash

30 °C fine wash

40 °C coloured wash

60 °C coloured wash

95 °C boil wash

Iron at low temperature without steam (max. 110 °C)

Iron at moderate temperature (max. 150 °C)

Hot iron (max. 200 °C)

Do not iron

Any bleach allowed

Do not bleach

No dry cleaning

Mild drying process (max. 60 °C)

Normal drying process (max. 80 °C)

Do not tumble dry

Professional dry-cleaning in: perchloroethylene, hydrocarbons (heavy benzines)

Danger Symbols

Flame
Highly/easily flammable

Flame over circle
Oxidising

Skull and crossbones
Toxic/very toxic

Corrosion
Corrosive

Environment
Hazardous to the environment and water

Exclamation mark
Hazardous to health

Health hazard
Harmful to health

Your contact to us

Communication is essential in a functioning partnership.

Your personal contact with our employees in the office and sales representatives is the foundation for successful cooperation.

We are committed to responding quickly and efficiently to your your wishes, answer questions and keep our product promises.

Get in touch with us
Via our head office on **T +49 8141 6106-0** or by e-mail to **export@streifeneder.de**.

Streifylen Polyethylene (PE-HD) 111P17, 111P20	**Dimensions:** 2,000 mm x 1,000 mm | **Thicknesses:** 1, 2, 3, 4, 5, 6 and 8 mm (111P17); 2, 3, 4, 5, 6 and 10 mm (111P20) | **Colours:** white or black | **Designated use:** night splints, positioning devices, corsets | **Properties:** thermoformable, weldable, drivable, very low material shrinkage Due to the pigments, black Streifylen is somewhat stiffer than white Streifylen | **Moulding temp.:** approx. 120 °C (1 mm), approx. 120-140 °C (2 mm), approx. 165-180 °C (3 mm and up)	Depending on the oven type, always use a clean PTFE coating as a lining; talcum or aggressive cleaning agents (e.g. acetone) damage the surface of the material. The dryer the model, the less material shrinkage occurs. Slower and more even cooling of the synthetic material on the model reduces the occurrence of material stress. Always ensure that the distance from the oven to the model is as short as possible, since the window for optimal thermoforming is very small, especially for thermoplastic polypropylene (PP). Even an open window in the workshop can produce a draught and cool the material prematurely (this information generally applies for all thermoplastics used in orthopaedic technology). For information about suitable colouring paper and helpful processing videos, visit www.streifeneder.de/op.
Streifylast Polyethylene (PE-LD) 111P29, 111P30	**Dimensions:** 2,000 mm x 1,000 mm | **Thicknesses:** 1, 2, 3, 4 and 5 (111P29); 3 and 4.5 mm (111P30) | **Colours:** milky-white or beige | **Designated use:** semi-flexible orthoses, flaps and inserts, thin Streifylast (1-2 mm) as a foaming aid | **Properties:** thermoformable, weldable at higher temperatures, drivable | **Moulding temp.:** approx. 130-160 °C	
Streifylast PlusPolyethylene (PE-LD) 111P96, 111P97	**Dimensions:** 400 mm x 400 mm, 2,000 mm x 1,000 mm, 2,050 mm x 850 mm | **Thicknesses:** 10, 12 and 15 mm | **Colours:** milky-white | **Designated use:** inner sockets, container sockets (e.g. CAT-CAM technique) | **Properties:** thermoformable, semi-flexible, resistant to body fluids, waxy surface | **Moulding temp.:** approx. 150 °C	
RCH 500 Low-pressure polyethylene (PE-HMW) 111P130, 111P132	**Dimensions:** 1,930 mm x 930 mm | **Thicknesses:** 2, 3, 5 and 5 mm (111P130); 2, 3 and 4 mm (111P132) | **Colours:** natural white or beige | **Designated use:** very strong, stable orthoses (e.g. drop foot orthoses) | **Properties:** thermoformable, drivable, no material shrinkage, high dimensional stability | **Moulding temp.:** from approx. 170 °C	
Streifydur Polypropylene (PP) 111P25, 111P63	**Dimensions:** 400 mm x 400 mm, 2,000 mm x 1,000 mm | **Thicknesses:** 1, 2, 3, 4 and 5 mm (111P25); 12, 15 and 20 mm (111P63) | **Colours:** milky-white | **Designated use:** positioning splints, orthoses, self-supporting container sockets (e.g. CAT-CAM technique) | **Properties:** thermoformable, weldable, high stiffness, high thermal flow capacity, resistant to body fluids, disinfectable | **Moulding temp.:** approx. 175-200 °C	
Streifydur PlusPolypropylene (PP) 111P125	**Dimensions:** 2,000 mm x 1,000 mm | **Thicknesses:** 2, 3, 4, 5 and 6 mm | **Colours:** milky-white | **Designated use:** AFOs, DAFOs and other orthoses | **Properties:** thermoformable, weldable | **Moulding temp.:** approx. 185-200 °C	
Streifydur OrthoPolypropylene copolymer (PP-C) 111P127	**Dimensions:** 2,000 mm x 1,000 mm | **Thicknesses:** 2, 3 and 4 mm | **Colours:** white | **Designated use:** semi-flexible positioning splints, inlays and orthoses | **Properties:** thermoformable, weldable, colourable, semi-flexible, low material shrinkage, break and scratch-resistant, lightweight, goodcutting, sanding and polishing characteristics | **Moulding temp.:** approx. 180-195 °C	
Copolymer Polypropylene copolymer (PP-C) 111P150, 111P151	**Dimensions:** 2,000 mm x 1,000 mm | **Thicknesses:** 2, 3, 4, 5 and 6 mm (111P150); 3, 4 and 5 mm (111P151) | **Colours:** white and beige | **Designated use:** orthoses, positioning splints and corsets | **Properties:** thermoformable, weldable, impact-resistant | **Moulding temp.:** approx. 175-190 °C	
Streifylit DuoPolyolefin blend (PO) with foam lamination 111P500/4.5	**Dimensions:** 1,200 mm x 1,000 mm | **Thicknesses:** 4.5 mm (2.5 mm polymer + 2 mm foam) | **Colours:** milky-transparent (polymer), anthracite (foam) | **Designated use:** Positioning splints made with integrated padding in one thermoforming process, not for load-bearing devices | **Properties:** thermoformable, colourable, low material shrinkage, break and scratch-resistant, lightweight, good cutting, sanding and polishing characteristics | **Moulding temp.:** approx. 160 °C	Heat the material with the foam side down. Do not pull too hard, otherwise there is a risk that the padding material may separate and tear. Firm pressure during welding is necessary due to the foam component. Foam can be restored through the light application of a blow-dryer at low temperature.
Streifyflex Ethylene vinyl acetate (EVA) 111P62, 111P71	**Dimensions:** 400 mm x 400 mm | **Thicknesses:** 9, 12 and 14 mm (111P62); 9, 12, 14 and 18 mm (111P71) | **Colours:** translucent or black | **Designated use:** flexible inner sockets, especially forabove-knee sockets (e.g. ISNY socket system) | **Properties:** thermoformable, permanently elastic, weldable, no material shrinkage | **Moulding temp.:** approx. 130-135 °C	Use a dry, warmed and smoothed plaster model and silicone spray (item no. 116P11). Drill air ducts in the model in case of undercuts, insert Dacron felt (item no. 140P41) into the ducts.
Streifyflex Super PlusEthylene vinyl acetate (EVA) 111P99	**Dimensions:** 400 mm x 400 mm | **Thicknesses:** 12 and 15 mm | **Colours:** milky-white | **Designated use:** flexibleinner above-knee sockets (e.g. M.A.S., CAT-CAM or ISNY socket system) | **Properties:** thermoformable, permanently elastic, waxy surface | **Moulding temp.:** approx. 160 °C	

Streifyflex thermoforming foil Ethylene vinyl acetate (EVA) 111P162, 111P262	**Dimensions:** 1,000 mm x 1,000 mm, 5,000 mm x 1,000 mm	**Thicknesses:** 1.5, 2, 3, 4 and 5 mm	**Colours:** transparent	**Designated use:** Inner shoe material, waterproof splints, metacarpus-forearm splints, upper and lower limb prosthetics	**Properties:** thermoformable, permanently elastic, skin-friendly, disinfectable, very good weldability	**Moulding temp.:** approx. 120-135 °C	Processing information for thin EVA thermoplastics: • very low processing pressure, approx. 20% vacuum power measured with a vacuum device, Vacumat Plus (item no. 168P50) • use heat protection gloves (item no. 12P12) • short transport distances from the oven to the model • clean oven lining (PTFE film), no talcum • make air holes in reinforcements that are welded on to prevent air pockets.
Streifyflex Color Ethylene vinyl acetate (EVA) 111P263-276	**Dimensions:** 1,115 mm x 900 mm	**Thicknesses:** 2 and 4 mm	**Colours:** white, black, blue, light blue, dark blue, red, bright red, dark red, green, neon pink, neon yellow, neon green, gold, silver	**Designated use:** Inner shoe material, waterproof splints, metacarpus-forearm splints, upper and lower limb prosthetics	**Properties:** thermoformable, permanently elastic, skin-friendly, disinfectable, very good weldability	**Moulding temp.:** approx. 120-135 °C	
PET Copolyester (PETG) 111P18, 111P67, 111P68	**Dimensions:** 400 mm x 400 mm, 1,200 mm x 800 mm, 2,000 mm x 1,000 mm	**Thicknesses:** 8, 10, 12, 15 and 20 mm (111P68); 8, 10 and 15 mm (111P67); 2, 3, 4, 5, 6 and 8 mm (111P18)	**Colours:** crystal clear	**Designated use:** Interim and test sockets, face masks	**Properties:** thermoformable, disinfectable, very high breaking strength, no discernible material shrinkage	**Moulding temp.:** approx. 160-170 °C	PETG material must be stored in a dry place. PETG tends to become brittle in combination with acrylic resin and putty due to the solvent content. Use Cellacast Xtra (item no. 99P40, 99P41) to protect test sockets.
Streifytec PETG Copolyester (PETG) 111P69	**Dimensions:** 400 mm x 400 mm	**Thicknesses:** 12 and 15 mm	**Colours:** crystal clear	**Designated use:** highly break-resistant interim and test sockets, face masks	**Properties:** thermoformable, disinfectable, extremely high breaking strength, improved impact resistance, no discernible material shrinkage	**Moulding temp.:** approx. 160-170 °C	
Streifytec Stiff Polystyrene (PS) 111P170	**Dimensions:** 400 mm x 400 mm	**Thicknesses:** 8, 10, 12 and 15 mm	**Colours:** bluish transparent	**Designated use:** high-strength, permanently load-bearing interim and test sockets	**Properties:** thermoformable, very hard, high breaking strength, self-supporting, no material shrinkage	**Moulding temp.:** approx. 170 °C	Use a dry, warmed and smoothed plaster model and silicone spray (item no. 116P11). Drill air ducts in the model in case of undercuts, insert Dacron felt (item no. 140P41) into the ducts.
Streifytec Extra Soft Ethylene vinyl acetate (EVA) 111P176	**Dimensions:** 400 mm x 400 mm	**Thicknesses:** 9 and 12 mm	**Colours:** translucent	**Designated use:** soft and flexible inner above-knee sockets (e.g. ISNY socket system)	**Properties:** thermoformable, permanently elastic, weldable, no material shrinkage	**Moulding temp.:** approx. 135 °C	
Streifytec Extra Soft Silicone Ethylene vinyl acetate (EVA) with silicone 111P178	**Dimensions:** 400 mm x 400 mm	**Thicknesses:** 9 and 12 mm	**Colours:** milky-white	**Designated use:** soft and flexible inner above-knee sockets and in upper limb prosthetics (e.g. ISNY socket system)	**Properties:** thermoformable, increased adhesion to the skin of the residual limb due to silicone admixture, permanently elastic, waxy surface	**Moulding temp.:** approx. 150 °C	
Streifytec Excel Polyethylene copolymer (PE-C) 111P183	**Dimensions:** 400 mm x 400 mm	**Thicknesses:** 10, 12 and 15 mm	**Colours:** semi-transparent	**Designated use:** flexible inner above-knee sockets (e.g. ISNY socket system)	**Properties:** thermoformable, very low material shrinkage, no yellowing due to environmental influences, approx. 8% lighter than EVA, low creeping	**Moulding temp.:** approx. 135 °C	

Synthetics – Thermoplastics
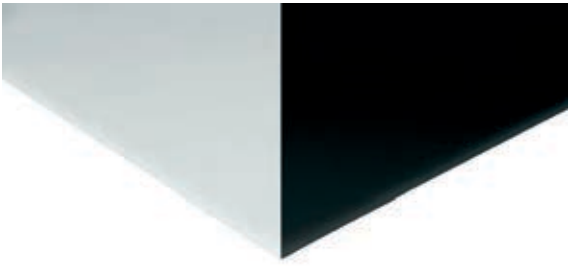
Streifylen

Material
- Polyethylene (PE-HD)

Application
- excellently suitable for manufacturing of night braces, positioning supports and corsets

Characteristics
- Mouldable at approx. 120 °C (111P17/1
- Mouldable at approx. 120-140 °C (111P17/2)
- Mouldable at approx. 165-180 °C (111P17/3-111P17/8, 111P20/2-111P20/10)
- weldable
- deep drawable
- very low material shrinkage
- black Streifylen is slightly stiffer than white Streifylen due to the colour pigments

Dimensions L x W x H	Colour	Item-no.
2000 x 1000 x 1 mm	white	111P17/1
2000 x 1000 x 2 mm	white	111P17/2
2000 x 1000 x 3 mm	white	111P17/3
2000 x 1000 x 4 mm	white	111P17/4
2000 x 1000 x 5 mm	white	111P17/5
2000 x 1000 x 6 mm	white	111P17/6
2000 x 1000 x 8 mm	white	111P17/8
2000 x 1000 x 2 mm	black	111P20/2
2000 x 1000 x 3 mm	black	111P20/3
2000 x 1000 x 4 mm	black	111P20/4
2000 x 1000 x 5 mm	black	111P20/5
2000 x 1000 x 6 mm	black	111P20/6
2000 x 1000 x 10 mm	black	111P20/10

Depending on oven type, always use a clean PTFE-coating; talcum or aggressive cleaning aids (e.g. acetone) will damage the material surface. The dryer the model, the less material shrinkage is detectable.

Streifylen PE-HWST

Material
- Polyethylene (PE-HD)
- colour: white

Application
- suitable for positioning splints and orthoses

Characteristics
- weldable
- deep drawable
- mouldable at approx. 165-175 °C

Synthetics – Thermoplastics

L x W x thickness	Item-No.
2000 x 1000 x 2 mm	111P117/2
2000 x 1000 x 3 mm	111P117/3
2000 x 1000 x 4 mm	111P117/4
2000 x 1000 x 5 mm	111P117/5
2000 x 1000 x 6 mm	111P117/6
2000 x 1000 x 8 mm	111P117/8

Streifylast

Material
- Polyethylene (PE-LD)

Application
- excellently suitable for manufacturing of partially flexible orthoses, flaps and inserts
- thin (1-2 mm) Streifylast/Trolen is often used also as foaming aid

Characteristics
- Mouldable at approx. 130-160 °C
- deep drawable
- can be welded at higher temperatures

Dimensions L x W x H	Colour	Item-no.
2000 x 1000 x 1 mm	milky-white	111P29/1
2000 x 1000 x 2 mm	milky-white	111P29/2
2000 x 1000 x 3 mm	milky-white	111P29/3
2000 x 1000 x 4 mm	milky-white	111P29/4
2000 x 1000 x 5 mm	milky-white	111P29/5
2000 x 1000 x 3 mm	beige	111P30/30
2000 x 1000 x 4.5 mm	beige	111P30/45

Depending on oven type, always use a clean PTFE-coating; talcum or aggressive cleaning aids (e.g. acetone) will damage the material surface. The dryer the model, the less material shrinkage is detectable.

Streifylast Plus

Material
- Polyethylene (PE-LD)
- colour: milky-white

Application
- suitable for inner-sockets and container-sockets (e. g. CAT-CAM-socket-design)

Characteristics
- Mouldable at approx. 150 °C
- semi-elastic
- deep drawable

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Synthetics – Thermoplastics

L x W x Thickness	Item-No.
400 x 400 x 12 mm	111P97/12
400 x 400 x 15 mm	111P97/15
2000 x 1000 x 10 mm	111P96/10
2000 x 1000 x 12 mm	111P96/12
2050 x 850 x 15 mm	111P96/15

The use of non-stick templates (item. no. 168P75/S) makes thermoforming easier.

RCH 500

Material
- Pressed low-pressure polyethylene (PE-HMW)

Application
- ideally suited for Very firm and stable orthoses (e.g. drop-foot-orthoses)

Characteristics
- Mouldable at approx. 170 °C
- deep drawable
- driftable

Dimensions L x W x H	Colour	Item-no.
1930 x 930 x 2 mm	off-white	111P130/2
1930 x 930 x 3 mm	off-white	111P130/3
1930 x 930 x 4 mm	off-white	111P130/4
1930 x 930 x 5 mm	off-white	111P130/5
1930 x 930 x 2 mm	beige	111P132/2
1930 x 930 x 3 mm	beige	111P132/3
1930 x 930 x 4 mm	beige	111P132/4

Depending on oven type, always use a clean PTFE-coating; talcum or aggressive cleaning aids (e.g. acetone) will damage the material surface. The dryer the model, the less material shrinkage is detectable.

Streifydur

Material
- Polypropylene (PP)
- colour: milky-white

Application
- particularly suitable for the production of positioning splints and orthoses
- suitable self-supporting for container-sockets (e. g. CAT-CAM-socket-design)

Synthetics – Thermoplastics

Characteristics

- Mouldable at approx. 175-200 °C
- high rigidity
- sweat-resistant
- disinfectable
- deep drawable
- weldable
- high heat flow capacity

Dimensions L x W x H	Item-no.
400 x 400 x 10 mm	111P63/10
400 x 400 x 12 mm	111P63/12
400 x 400 x 15 mm	111P63/15
400 x 400 x 20 mm	111P63/20
2000 x 1000 x 1 mm	111P25/1
2000 x 1000 x 2 mm	111P25/2
2000 x 1000 x 3 mm	111P25/3
2000 x 1000 x 4 mm	111P25/4
2000 x 1000 x 5 mm	111P25/5

Deep drawing is facilitated by using antiadhesive templates item-no. 168P75/S.

Streifydur Plus

Material
- Polypropylene (PP)
- colour: milky-white

Application
- ideally suited for manufacturing of AFOs, DAFOs and other orthoses

Characteristics
- Mouldable at approx. 185-200 °C
- deep drawable
- weldable

L x W x Thickness	Item-No.
2000 x 1000 x 2 mm	111P125/2
2000 x 1000 x 3 mm	111P125/3
2000 x 1000 x 4 mm	111P125/4
2000 x 1000 x 5 mm	111P125/5
2000 x 1000 x 6 mm	111P125/6

Depending on oven type, always use a clean PTFE-coating; talcum or aggressive cleaning aids (e.g. acetone) will damage the material surface. The dryer the model, the less material shrinkage is detectable.

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Synthetics – Thermoplastics

Streifydur Ortho

Material
- Polypropylene copolymer (PP-C)
- colour: white

Application
- the material is ideally suited for semi-flexible inlays, splints and orthoses

Characteristics
- Mouldable at approx. 180-195 °C
- suitable for colouring
- semi-flexible
- low shrinkage
- brake and scratch proof
- light weight
- easy to cut, sand and polish
- weldable
- deep drawable

L x W x Thickness	Item-No.
2000 x 1000 x 2 mm	111P127/2
2000 x 1000 x 3 mm	111P127/3
2000 x 1000 x 4 mm	111P127/4

Depending on oven type, always use a clean PTFE-coating; talcum or aggressive cleaning aids (e.g. acetone) will damage the material surface. The dryer the model, the less material shrinkage is detectable.
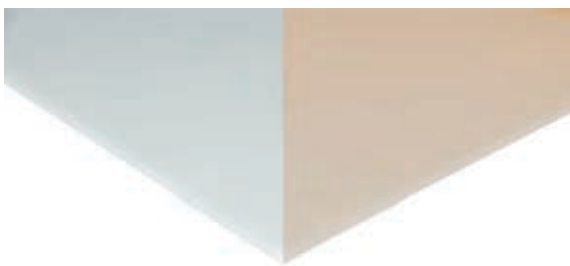
Copolymer

Material
- Polypropylene copolymer (PP-CC)

Application
- optimally suitable for manufacturing of orthoses, positioning splints and corsets

Characteristics
- Mouldable at approx. 175-190 °C
- deep drawable
- weldable
- impact resistant

Dimensions L x W x H	Colour	Item-no.
2000 x 1000 x 2 mm	white	111P150/2
2000 x 1000 x 3 mm	white	111P150/3
2000 x 1000 x 4 mm	white	111P150/4
2000 x 1000 x 5 mm	white	111P150/5
2000 x 1000 x 6 mm	white	111P150/6
2000 x 1000 x 3 mm	beige	111P151/3
2000 x 1000 x 4 mm	beige	111P151/4
2000 x 1000 x 5 mm	beige	111P151/5

Synthetics – Thermoplastics

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Depending on oven type, always use a clean PTFE-coating; talcum or aggressive cleaning aids (e.g. acetone) will damage the material surface. The dryer the model, the less material shrinkage is detectable.
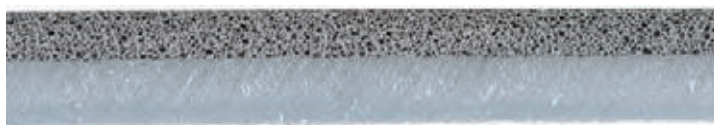
Streifylit Duo

Material
- Polyolefine blend (PO) with foam cover
- colour plastic: milky transparent
- colour foam: anthracite

Application
- for manufacturing individual orthotic braces with integrated padding in one single deep-drawing process

Characteristics
- Mouldable at approx. 160 °C
- suitable for colouring
- low shrinkage
- brake and scratch proof
- light weight
- easy to cut, sand and polish
- deep drawable

Dimensions W x D x H	Item-No.
1000 x 1200 x 4,5 mm	111P500/4,5

The material is not suitable for load-bearing devices.

Heat with foam side down in an infrared-oven on clean PTFE-sheeting. After finishing the brace, set back the foam by briefly heating it with a hot-air gun.

PET

Material
- Copolyester (PETG)
- Colour: clear

Application
- for temporary and trial sockets and face masks

Characteristics
- Mouldable at approx. 160-170 °C
- disinfectable
- highly break-proof
- no evident shrinking

Dimensions L x W x H	Item-no.
400 x 400 x 8 mm	111P68/8
400 x 400 x 10 mm	111P68/10
400 x 400 x 12 mm	111P68/12
400 x 400 x 15 mm	111P68/15

Synthetics – Thermoplastics

400 x 400 x 20 mm	111P68/20
1200 x 800 x 8 mm	111P67/8
1200 x 800 x 10 mm	111P67/10
1200 x 800 x 15 mm	111P67/15
2000 x 1000 x 2 mm	111P18/2
2000 x 1000 x 3 mm	111P18/3
2000 x 1000 x 4 mm	111P18/4
2000 x 1000 x 5 mm	111P18/5
2000 x 1000 x 6 mm	111P18/6
2000 x 1000 x 8 mm	111P18/8

In bonds with sealing-resin hand laminates, PETG tends to become brittle due to the solvents in the sealing- resin. To secure trial sockets, please use our Cellacast Xtra Dressing Material item-no. 99P40.

Deep drawing is facilitated by using antiadhesive templates item-no. 168P75/S.
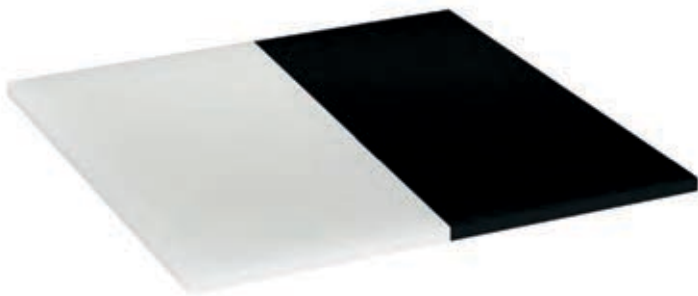
Streifyflex

Material
• Ethylene vinyl acetate (EVA)

Application
• particularly suitable for flexible inner sockets, especially in the thigh area (ISNY socket technique)

Characteristics
• Mouldable at approx. 130-135 °C
• permanent elasticity
• deep drawable

Dimensions L x W x H	Colour	Item-no.
400 x 400 x 9 mm	colour: translucent	111P62/9
400 x 400 x 12 mm	colour: translucent	111P62/12
400 x 400 x 14 mm	colour: translucent	111P62/14
400 x 400 x 9 mm	black	111P71/9
400 x 400 x 12 mm	black	111P71/12
400 x 400 x 14 mm	black	111P71/14
400 x 400 x 18 mm	black	111P71/18

Deep drawing is facilitated by using antiadhesive templates item-no. 168P75/S.

Streifyflex Super Plus

Material
• Ethylene vinyl acetate (EVA)
• colour: milky-white

Application
• suitable for flexible inner sockets for above-knee sockets, especially for M.A.S.-, CAT-CAM- or ISNY-socket technology

Synthetics – Thermoplastics

Synthetics

Cushioning
Materials

Laminating
Technology

Prepreg
Technology

Silicone
Technology

Adhesive
technology

Forming
Technology

Small parts

Textiles

Insole
Technology

Characteristics
- Mouldable at approx. 160 °C
- semi-elastic
- deep drawable

L x W x Thickness	Item-No.
400 x 400 x 12 mm	111P99/12
400 x 400 x 15 mm	111P99/17

Deep drawing is facilitated by using antiadhesive templates item-no. 168P75/S.

Streifyflex deep-drawing sheet

Material
- Ethylene vinyl acetate (EVA)
- colour: transparent

Application
- Particularly suitable as inner shoe material and for waterproof splints and metacarpal forearm splints
- Particularly suitable for use in arm and foot prosthetics and for prosthetic sockets

Characteristics
- Mouldable at approx. 120-135 °C
- permanent elasticity
- deep drawable
- skin-friendly
- disinfectable

Processing information
- processing Vacuum Very low, approx. 20 % Vacuum performance – measured by a Vacuum device, Vacumat Plus item-no. 168P50
- Use heat protection gloves (order no. 12P12)
- short distance from oven to model
- clean coating, no talcum powder
- pierce air holes in welded reinforcements to avoid air pockets

Insulation to the model
- expandable Vacuum hose (order no. 95P2)
- Silicone spray (order no. 116P11)

Strength	PU	Item-no.
1.5 mm	1 sqm (sheet)	111P262/1
2 mm	1 sqm (sheet)	111P262/2
3 mm	1 sqm (sheet)	111P262/3
4 mm	1 sqm (sheet)	111P262/4
5 mm	1 sqm (sheet)	111P262/5
1.5 mm	5 qm (roll)	111P162/1
2 mm	5 qm (roll)	111P162/2
3 mm	5 qm (roll)	111P162/3

4 mm	5 qm (roll)	111P162/4
5 mm	5 qm (roll)	111P162/5

Streifyflex deep drawing sheeting can be glued with Ortec special glue item-no. 118P18.

Carefully grind and degrease the areas where you intend to bond; apply adhesive to both sides, let it flash off, then press together.

Streifyflex Color

Material
• Ethylene vinyl acetate (EVA)

Application
• Particularly suitable as inner shoe material and for waterproof splints and metacarpal forearm splints
• particularly suitable for use in arm and foot prosthetics and for prosthetic sockets

Characteristics
• Mouldable at approx. 120-135 °C
• permanent elasticity
• deep drawable
• skin-friendly
• disinfectable

Processing information
• processing Vacuum Very low, approx. 20 % Vacuum performance – measured by a Vacuum device, Vacumat Plus item-no. 168P50
• Use heat protection gloves (order no. 12P12)
• short distance from oven to model
• clean coating, no talcum powder
• pierce air holes in welded reinforcements to avoid air pockets

Insulation to the model
• expandable Vacuum hose (order no. 95P2)
• Silicone spray (order no. 116P11)

Dimensions L x W	Strength	Colour	Item-no.
1115 x 900 mm	2 or 4 mm	white	111P263/...
1115 x 900 mm	2 or 4 mm	black	111P264/...
1115 x 900 mm	2 or 4 mm	blue	111P265/...
1115 x 900 mm	2 or 4 mm	light blue	111P266/...
1115 x 900 mm	2 or 4 mm	dark blue	111P267/...
1115 x 900 mm	2 or 4 mm	red	111P268/...
1115 x 900 mm	2 or 4 mm	light red	111P269/...
1115 x 900 mm	2 or 4 mm	dark red	111P270/...
1115 x 900 mm	2 or 4 mm	green	111P271/...
1115 x 900 mm	2 or 4 mm	neon pink	111P272/...
1115 x 900 mm	2 or 4 mm	neon yellow	111P273/...
1115 x 900 mm	2 or 4 mm	neon green	111P274/...

Synthetics – Thermoplastics

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology
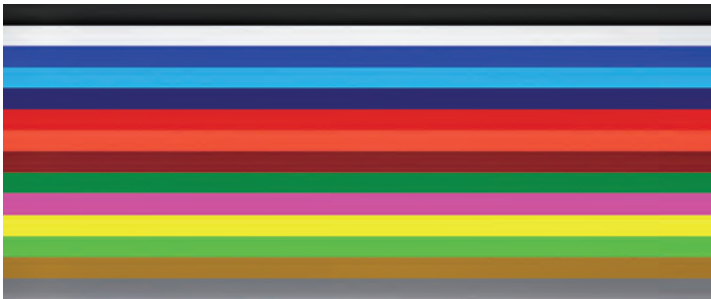
1115 x 900 mm	2 or 4 mm	gold	111P275/…
1115 x 900 mm	2 or 4 mm	silver	111P276/…

Order example: „111P263/" + „2" (2 mm thickness) or „4" (4 mm thickness)

Streifyflex Color is well suitable for bonding with Ortec glue item-no. 118P18. Thoroughly roughen and degrease the surfaces to be bonded, apply glue on both sides, let it evaporate and press surfaces together.

Streifytec PETG

Material
- Copolyester (PETG)

Application
- for temporary and trial sockets and face masks

Characteristics
- Mouldable at approx. 160-170 °C
- disinfectable
- extremely high break resistance
- improved impact strength
- no evident shrinking

Dimensions L x W x Thickness	Item-No.
400 x 400 x 12 mm	111P69/12
400 x 400 x 15 mm	111P69/15

Store PETG material in a dry place. PETG tends to become brittle through contact with solvents or solvent-containing resins. Therefore, to secure trial sockets, please use our Cellacast Xtra support bandages item-no. 99P40. The deep-drawing process is facilitated by the use of non-stick masks item-no. 168P75/S.

Streifytec Stiff

Material
- Polystyrene (PS)
- colour: blueish transparent

Application
- excellently suitable for high-strength, permanently resilient, temporary and trial sockets

Characteristics
- Mouldable at approx. 160-170 °C
- very hard
- highly break-proof
- self-supporting
- deep drawable

L x W x Thickness	Item-No.
400 x 400 x 8 mm	111P170/8
400 x 400 x 10 mm	111P170/10
400 x 400 x 12 mm	111P170/12
400 x 400 x 15 mm	111P170/15

Deep drawing is facilitated by using antiadhesive templates item-no. 168P75/S.

Streifytec Extra Soft

Material
- Ethylene vinyl acetate (EVA)
- colour: translucent

Application
- soft and flexible material for inner sockets for above-knee prostheses (ISNY socket technology)

Characteristics
- Mouldable at approx. 150-160 °C
- soft
- deep drawable

L x W x Thickness	Item-No.
400 x 400 x 9 mm	111P176/9
400 x 400 x 12 mm	111P176/12

Deep drawing is facilitated by using antiadhesive templates item-no. 168P75/S.

Streifytec Extra Soft Silicone

Material
- Ethylene vinyl acetate (EVA) with silicone additive
- colour: milky-white

Application
- soft and flexible material for inner sockets for above-knee prostheses or for arm prostheses (ISNY socket technology)

Characteristics
- Mouldable at approx. 150-160 °C
- particularly good adhesion to the residual limb skin
- soft
- deep drawable

L x W x Thickness	Item-No.
400 x 400 x 9 mm	111P178/9
400 x 400 x 12 mm	111P178/12

Deep drawing is facilitated by using antiadhesive templates item-no. 168P75/S.

Synthetics – Thermoplastics

Streifytec Excel

Material
- Polyethylene copolymer (PE-C)
- colour: transparent

Application
- suitable for soft and flexible inner sockets for above-knee sockets (ISNY-socket technology)

Characteristics
- Mouldable at approx. 130-140 °C
- deep drawable
- low shrinkage
- does not turn yellow as a result of environmental influences
- approx. 8 % lighter than EVA
- low creeping

L x W x Thickness	Item-No.
400 x 400 x 10 mm	111P183/10
400 x 400 x 12 mm	111P183/12
400 x 400 x 15 mm	111P183/15

Deep drawing is facilitated by using antiadhesive templates item-no. 168P75/S.

Turbocast

Material
- Low-temperature polyester

Application
- suitable for the production of temporary correction and positioning orthoses

Characteristics
- activation temperature approx. 75 °C in the water bath, approx. 90 °C in the steam bath and approx. 100 °C in the IR oven
- very good cutting, stretching and forming properties
- can be modelled directly on the skin after a short cooling time to approx. 40 °C

Dimensions L x W x H	Colour	Item-no.
600 x 410 x 0.8 mm	beige	111P86/08
600 x 430 x 1.6 mm	beige	111P86/16
600 x 440 x 2.0 mm	beige	111P86/20
600 x 450 x 3.0 mm	beige	111P86/30
600 x 450 x 4.0 mm	beige	111P86/40
900 x 600 x 3.0 mm	beige	111P860/30
900 x 600 x 4.0 mm	beige	111P860/40
600 x 410 x 0.8 mm	blue	111P89/08
600 x 430 x 1.6 mm	blue	111P89/16

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

600 x 440 x 2.0 mm	blue	111P89/20
600 x 450 x 3.0 mm	blue	111P89/30
900 x 600 x 3.0 mm	blue	111P890/30

Due to the special coatings there is no sticking to the skin and hair. Shaped material can be returned to its original state by reheating. For heating use water bath/steam bath item-no. 35M1/1 or infrared heating cabinet item-no. 51M10/3540.

Turbocast „Ortho"

Material
- Low-temperature polyester
- colour: beige

Application
- suitable for the production of temporary correction and positioning orthoses

Characteristics
- activation temperature approx. 75 °C in the water bath, approx. 90 °C in the steam bath and approx. 100 °C in the IR oven
- very good cutting, stretching and forming properties
- can be modelled directly on the skin after a short cooling time to approx. 40 °C
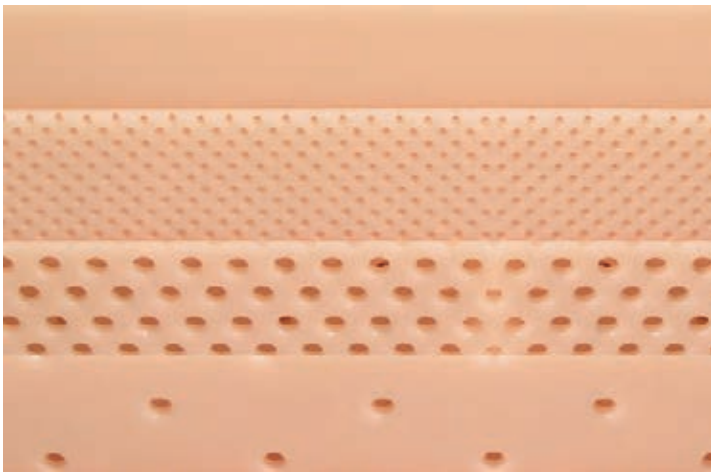
L x W x Thickness	Version	Item-No.
600 x 440 x 2,0 mm	non perforated	111P82/20
600 x 900 x 3,2 mm	non perforated	111P82/32
600 x 900 x 4,0 mm	non perforated	111P82/40
600 x 430 x 1,6 mm	micro, fine perforated	111P83/16
600 x 440 x 2,0 mm	micro, fine perforated	111P83/20
600 x 440 x 2,0 mm	mini, medium perforated	111P84/20
600 x 450 x 2,5 mm	mini, medium perforated	111P84/25
600 x 450 x 3,2 mm	mini, medium perforated	111P84/32
600 x 440 x 2,0 mm	multi, coarse perforated	111P85/20
600 x 450 x 3,2 mm	multi, coarse perforated	111P85/32

For heating use water bath/steam bath item-no. 35M1/1 or infrared heating cabinet item-no. 51M10/3540. For insulation of the skin, please use our body protection stockinette, item-no. 99P12.

Synthetics – Colouring paper

Colouring paper

Material
- thin paper with thermal printing

Application
- for coloured design of thermoplastic synthetics like Streifylen, Streifydur, or hook- and loop straps and fabrics
- Contact time: 15-25 sec
- Temperature: 140-220 °C

Characteristics
- paper weight approx. 25 g/sqm
- single coloured or with design

VE = 1 sheet = 1000 mm x 1600 mm

Motive	Item-no.
Carbon	120P5/01
Butterflies	120P5/02
Waves	120P5/03
Palm trees	120P5/04
Jeans	120P5/05
Pink	120P5/06
Camouflage	120P5/07
Tattoo	120P5/08
Hawaiana	120P5/09
Unicorn	120P5/10
Zebra	120P5/11
Dinosaur	120P5/12
Nature	120P5/13
Travel	120P5/14
Robots	120P5/15
Black	120P5/16
Blue	120P5/17
Beige	120P5/18
Red	120P5/19
Brown	120P5/20

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Cushioning Materials – PE cushioning

111P34

Plastazote

Material
• Polyethylene foam (PE), closed-cell

Application
• for padding of positioning splints and correctional braces (e.g. orthoses resp. insoles)

Characteristics
• approx. 15-18 Shore A
• Mouldable at approx. 100-130 °C (depending on heat source)
• washable
• suitable for processing with Streifylen

Dimensions L x W x H	Color	Item-no.
2000 x 1000 x 2 mm	white	111P21/2
2000 x 1000 x 3 mm	white	111P21/3
2000 x 1000 x 4 mm	white	111P21/4
2000 x 1000 x 5 mm	white	111P21/5
2000 x 1000 x 6 mm	white	111P21/6
2000 x 1000 x 8 mm	white	111P21/8
2000 x 1000 x 10 mm	white	111P21/10
2000 x 1000 x 12 mm	white	111P21/12
2000 x 1000 x 15 mm	white	111P21/15
2000 x 1000 x 20 mm	white	111P21/20
1000 x 1000 x 2 mm	beige	111P28/2
1000 x 1000 x 3 mm	beige	111P28/3
1000 x 1000 x 4 mm	beige	111P28/4
1000 x 1000 x 5 mm	beige	111P28/5
1000 x 1000 x 6 mm	beige	111P28/6
1000 x 1000 x 8 mm	beige	111P28/8
1000 x 1000 x 10 mm	beige	111P28/10
1000 x 1000 x 12 mm	beige	111P28/12
1000 x 1000 x 15 mm	beige	111P28/15
1000 x 1000 x 20 mm	beige	111P28/20
1000 x 1000 x 25 mm	beige	111P28/25
2000 x 1000 x 3 mm	blue	111P34/3
2000 x 1000 x 4 mm	blue	111P34/4
2000 x 1000 x 5 mm	blue	111P34/5
2000 x 1000 x 6 mm	blue	111P34/6
2000 x 1000 x 8 mm	blue	111P34/8
2000 x 1000 x 10 mm	blue	111P34/10
2000 x 1000 x 12 mm	blue	111P34/12
2000 x 1000 x 4 mm	red	111P46/4
2000 x 1000 x 6 mm	red	111P46/6
2000 x 1000 x 12 mm	red	111P46/12
2000 x 1000 x 4 mm	yellow	111P47/4
2000 x 1000 x 6 mm	yellow	111P47/6

Cushioning Materials – PE cushioning

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

2000 x 1000 x 12 mm	yellow	111P47/12
2000 x 1000 x 4 mm	green	111P48/4
2000 x 1000 x 6 mm	green	111P48/6
2000 x 1000 x 12 mm	green	111P48/12
2000 x 1000 x 2 mm	black	111P49/2
2000 x 1000 x 3 mm	black	111P49/3
2000 x 1000 x 4 mm	black	111P49/4
2000 x 1000 x 6 mm	black	111P49/6
2000 x 1000 x 8 mm	black	111P49/8
2000 x 1000 x 10 mm	black	111P49/10
2000 x 1000 x 20 mm	black	111P49/20

Plastazote perforated

Material
- Polyethylene foam (PE), closed-cell

Application
- for padding of positioning splints and correctional braces (e.g. orthoses resp. insoles)

Characteristics
- approx. 15-18 Shore A
- Mouldable at approx. 100-130 °C (depending on heat source)
- washable
- suitable for processing with Streifylen and Streifycolor

Dimensions L x W x H	Colour	Item-no.
1000 x 1000 x 3 mm	white	111P44/3
1000 x 1000 x 6 mm	white	111P44/6
1000 x 1000 x 3 mm	beige	111P38/3
1000 x 1000 x 6 mm	beige	111P38/6
1000 x 1000 x 10 mm	beige	111P38/10
1000 x 1000 x 12 mm	beige	111P38/12
1000 x 1000 x 3 mm	blue	111P54/3
1000 x 1000 x 6 mm	blue	111P54/6
1000 x 1000 x 3 mm	black	111P57/3
1000 x 1000 x 6 mm	black	111P57/6

Cushioning Materials – PE cushioning

Colorfoam uni-coloured

Material
- Polyethylene foam (PE), closed-cell

Application
- for cushioning of orthoses, soft inner sockets (soft sockets) and insole

Characteristics
- approx. 35 shore A, depending on colour and material thickness
- Mouldable at approx. 120 °C
- washable
- good restoring force

Dimensions L x W x H	Colour	Item-no.
2100 x 1050 x 2 mm	white	110P70/2
2100 x 1050 x 3 mm	white	110P70/3
2100 x 1050 x 4 mm	white	110P70/4
2100 x 1050 x 5 mm	white	110P70/5
2100 x 1050 x 7 mm	white	110P70/7
2100 x 1050 x 10 mm	white	110P70/10
2100 x 1050 x 2 mm	beige	110P71/2
2100 x 1050 x 3 mm	beige	110P71/3
2100 x 1050 x 4 mm	beige	110P71/4
2100 x 1050 x 5 mm	beige	110P71/5
2100 x 1050 x 7 mm	beige	110P71/7
2100 x 1050 x 10 mm	beige	110P71/10
2100 x 1050 x 2 mm	blue	110P72/2
2100 x 1050 x 3 mm	blue	110P72/3
2100 x 1050 x 4 mm	blue	110P72/4
2100 x 1050 x 5 mm	blue	110P72/5
2100 x 1050 x 10 mm	blue	110P72/10
2100 x 1050 x 2 mm	red	110P73/2
2100 x 1050 x 3 mm	red	110P73/3
2100 x 1050 x 4 mm	red	110P73/4
2100 x 1050 x 5 mm	red	110P73/5
2100 x 1050 x 10 mm	red	110P73/10
2100 x 1050 x 2 mm	yellow	110P74/2
2100 x 1050 x 3 mm	yellow	110P74/3
2100 x 1050 x 4 mm	yellow	110P74/4
2100 x 1050 x 5 mm	yellow	110P74/5
2100 x 1050 x 2 mm	green	110P80/2
2100 x 1050 x 3 mm	green	110P80/3
2100 x 1050 x 4 mm	green	110P80/4
2100 x 1050 x 5 mm	green	110P80/5

Other thicknesses are available upon request! Due to production related reasons, the sheet size may Vary up to 5 %.

Please use our Forte Rapid Adhesive item-no. 118P13/... for the adhesion seam of the soft inner socket (soft socket).

Cushioning Materials – PE cushioning

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Colorfoam multi-coloured

Material
- Polyethylene foam (PE), closed-cell

Application
- for cushionings for building orthoses as well as insoles

Characteristics
- approx. 30 shore A, depending on colour and material thickness
- Mouldable at approx. 120 °C
- washable
- good restoring force

Dimensions L x W x H	Colour	Item-no.
2100 x 1050 x 2 mm	black/yellow	110P76/2
2100 x 1050 x 3 mm	black/yellow	110P76/3
1800 x 900 x 4 mm	black/yellow	110P76/4
1800 x 900 x 2 mm	black/purple	110P77/2
2100 x 1050 x 3 mm	black/purple	110P77/3
2100 x 1050 x 4 mm	black/purple	110P77/4
2100 x 1050 x 5 mm	black/purple	110P77/5
2100 x 1050 x 2 mm	black/blue	110P78/2
2100 x 1050 x 3 mm	black/blue	110P78/3
2100 x 1050 x 4 mm	black/blue	110P78/4
2100 x 1050 x 5 mm	black/blue	110P78/5
2100 x 1050 x 2 mm	black/white	110P79/2
2100 x 1050 x 3 mm	black/white	110P79/3
2100 x 1050 x 4 mm	black/white	110P79/4
2100 x 1050 x 5 mm	black/white	110P79/5
2100 x 1050 x 2 mm	pink/white	110P81/2
2100 x 1050 x 3 mm	pink/white	110P81/3
2100 x 1050 x 4 mm	pink/white	110P81/4
2100 x 1050 x 5 mm	pink/white	110P81/5
1800 x 900 x 2 mm	purple/multi-coloured	110P85/2
2100 x 1050 x 3 mm	purple/multi-coloured	110P85/3
1800 x 900 x 4 mm	purple/multi-coloured	110P85/4
2100 x 1050 x 5 mm	purple/multi-coloured	110P85/5
2100 x 1050 x 2 mm	red/multi-coloured	110P86/2
2100 x 1050 x 3 mm	red/multi-coloured	110P86/3
2100 x 1050 x 4 mm	red/multi-coloured	110P86/4
2100 x 1050 x 5 mm	red/multi-coloured	110P86/5

Other thicknesses are available upon request! Due to production related reasons, the sheet size may Vary up to 5 %.

Cushioning Materials – PE cushioning

Colorfoam perforated

Material
- Polyethylene foam (PE), closed-cell

Application
- for cushionings for building orthoses as well as insoles

Characteristics
- approx. 35 shore A, depending on colour and material thickness
- Mouldable at approx. 120 °C
- perforated
- washable
- good restoring force

Dimensions L x W x H	Colour	Item-no.
2100 x 1050 x 2 mm	beige	110P71/2P
2100 x 1050 x 3 mm	beige	110P71/3P
2100 x 1050 x 2 mm	blue	110P72/2P
2100 x 1050 x 3 mm	blue	110P72/3P

Other thicknesses are available upon request! Due to production related reasons, the sheet size may Vary up to 5 %.

Streifysoft 20

Material
- Polyethylene foam (PE), closed-cell

Application
- for soft sockets for sensitive residual limbs and cosmetic shells, as well as paddings in orthotics
- for padding of positioning splints and correctional braces (e.g. orthoses resp. insoles)

Characteristics
- approx. 35 shore A, depending on colour and material thickness
- Mouldable at approx. 120 °C
- washable

Dimensions L x W x H	Colour	Item-no.
1000 x 1000 x 2 mm	beige	110P62/2
1000 x 1000 x 3 mm	beige	110P62/3
1000 x 1000 x 4 mm	beige	110P62/4
1000 x 1000 x 5 mm	beige	110P62/5
1000 x 1000 x 6 mm	beige	110P62/6
1000 x 1000 x 7 mm	beige	110P62/7
1000 x 1000 x 8 mm	beige	110P62/8
1000 x 1000 x 10 mm	beige	110P62/10
1000 x 1000 x 2 mm	white	110P64/2
1000 x 1000 x 3 mm	white	110P64/3
1000 x 1000 x 4 mm	white	110P64/4

Cushioning Materials – PE cushioning

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

1000 x 1000 x 5 mm	white	110P64/5
1000 x 1000 x 10 mm	white	110P64/10

Please use our Forte Rapid Adhesive item-no. 118P13/... for the adhesion seam of the soft inner socket (soft socket).
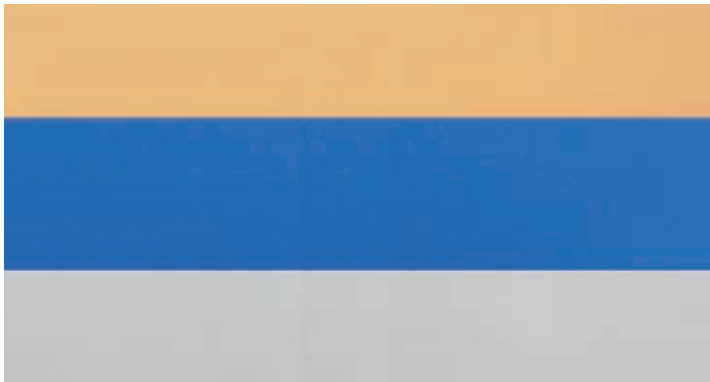
Streifyfoam

Material
- Polyethylene foam (PE), closed-cell

Application
- for cushioning of orthoses and firmer soft inner sockets (soft sockets)

Characteristics
- approx. 35-40 shore A, depending on colour and material thickness
- Mouldable at approx. 130-135 °C
- washable
- good restoring force

Dimensions L x W x H	Colour	Item-no.
2100 x 1050 x 2 mm	beige	110P90/2
2100 x 1050 x 3 mm	beige	110P90/3
2100 x 1050 x 4 mm	beige	110P90/4
2100 x 1050 x 5 mm	beige	110P90/5
2100 x 1050 x 7 mm	beige	110P90/7
2100 x 1050 x 10 mm	beige	110P90/10
2100 x 1050 x 4 mm	blue	110P91/4
2100 x 1050 x 5 mm	blue	110P91/5
2100 x 1050 x 4 mm	white	110P92/4
2100 x 1050 x 5 mm	white	110P92/5

Other thicknesses are available upon request! Due to production related reasons, the sheet size may Vary up to 5 %.

Please use our Forte Rapid Adhesive item-no. 118P13/... for the adhesion seam of the soft inner socket (soft socket).

Streifyfoam perforated

Material
- Polyethylene foam (PE), closed-cell

Application
- for cushionings for building orthoses as well as insoles

Cushioning Materials – PE cushioning

Characteristics
- approx. 35-40 shore A, depending on colour and material thickness
- Mouldable at approx. 130-135 °C
- perforated
- washable

Dimensions L x W x H	Colour	Item-no.
2100 x 1050 x 5 mm	beige	110P90/5P
2100 x 1050 x 3 mm	blue	110P91/3P
2100 x 1050 x 2 mm	white	110P92/2P
2100 x 1050 x 5 mm	white	110P92/5P

Other thicknesses are available upon request! Due to production related reasons, the sheet size may Vary up to 5 %.

PE Foam

Material
- Polyethylene foam (PE), closed-cell
- Colour: off-white

Application
- suitable for manufacturing positioning supports (e.g. seat shells)

Characteristics
- Density approx. 33 kg/m^3
- light weight
- shape retaining
- shock-absorbing
- washable
- incontinence-resistant
- odourless

L x W x Thickness	Item-No.
2000 x 1000 x 10 mm	110P67/10
2000 x 1000 x 20 mm	110P67/20
2000 x 1000 x 50 mm	110P67/50
2000 x 1000 x 100 mm	110P67/100

Cushioning Materials – EVA cushioning
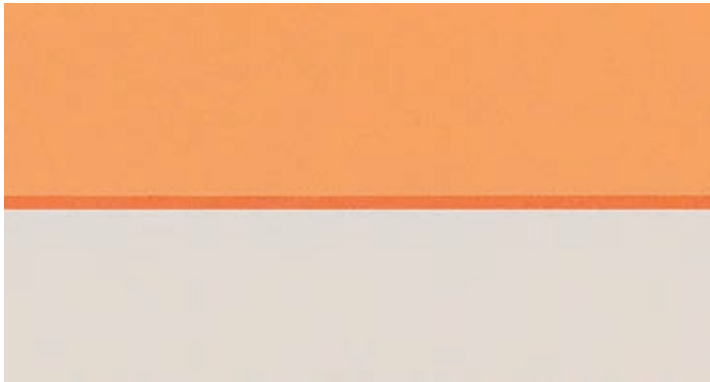
Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Varioform

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell

Application
- for cushionings for orthoses as well as softer inner sockets (soft sockets)

Characteristics
- approx. 30 shore A, depending on colour and material thickness
- Mouldable at approx. 130 °C
- washable

Dimensions L x W x H	Colour	Item-no.
1100 x 1100 x 2 mm	white	111P52/2
1100 x 1100 x 3 mm	white	111P52/3
1100 x 1100 x 4 mm	white	111P52/4
1100 x 1100 x 5 mm	white	111P52/5
1100 x 1100 x 6 mm	white	111P52/6
1100 x 1100 x 7 mm	white	111P52/7
1100 x 1100 x 10 mm	white	111P52/10
1100 x 1100 x 15 mm	white	111P52/15
1100 x 1100 x 2 mm	beige	111P53/2
1100 x 1100 x 3 mm	beige	111P53/3
1100 x 1100 x 4 mm	beige	111P53/4
1100 x 1100 x 5 mm	beige	111P53/5
1100 x 1100 x 6 mm	beige	111P53/6
1100 x 1100 x 7 mm	beige	111P53/7
1100 x 1100 x 8 mm	beige	111P53/8
1100 x 1100 x 10 mm	beige	111P53/10

Please use our Forte Rapid Adhesive item-no. 118P13/... for the adhesion seam of the soft inner socket (soft socket).

Varioform

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell

Application
- for cushionings for orthoses as well as softer inner sockets (soft sockets)

Characteristics
- approx. 30 shore A, depending on colour and material thickness
- Mouldable at approx. 130 °C
- washable

Cushioning Materials – EVA cushioning

Dimensions L x W x H	Colour	Item-no.
1100 x 1100 x 2 mm	blue	111P72/2
1100 x 1100 x 3 mm	blue	111P72/3
1100 x 1100 x 4 mm	blue	111P72/4
1100 x 1100 x 5 mm	blue	111P72/5
1100 x 1100 x 6 mm	blue	111P72/6
1100 x 1100 x 7 mm	blue	111P72/7
1100 x 1100 x 10 mm	blue	111P72/10
1100 x 1100 x 2 mm	red	111P73/2
1100 x 1100 x 3 mm	red	111P73/3
1100 x 1100 x 4 mm	red	111P73/4
1100 x 1100 x 5 mm	red	111P73/5
1100 x 1100 x 7 mm	red	111P73/7
1100 x 1100 x 2 mm	yellow	111P74/2
1100 x 1100 x 3 mm	yellow	111P74/3
1100 x 1100 x 4 mm	yellow	111P74/4
1100 x 1100 x 5 mm	yellow	111P74/5
1100 x 1100 x 7 mm	yellow	111P74/7
1100 x 1100 x 1 mm	black	111P76/1
1100 x 1100 x 2 mm	black	111P76/2
1100 x 1100 x 3 mm	black	111P76/3
1100 x 1100 x 4 mm	black	111P76/4
1100 x 1100 x 5 mm	black	111P76/5
1100 x 1100 x 7 mm	black	111PP76/7
1100 x 1100 x 10 mm	black	111P76/10
1100 x 1100 x 15 mm	black	111P76/15
1100 x 1100 x 2 mm	pink	111P79/2
1100 x 1100 x 3 mm	pink	111P79/3
1100 x 1100 x 4 mm	pink	111P79/4
1100 x 1100 x 5 mm	pink	111P79/5
1100 x 1100 x 7 mm	pink	111P79/7

Please use our Forte Rapid Adhesive item-no. 118P13 for the adhesion seam of the soft inner socket (soft socket).

Varioform perforated

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell

Application
- for cushionings for building orthoses as well as insoles

Characteristics
- approx. 30 shore A, depending on colour and material thickness
- Mouldable at approx. 130 °C
- perforated
- washable

Cushioning Materials – EVA cushioning

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Dimensions L x W x H	Colour	Item-no.
1100 x 1100 x 2 mm	white	111P52/2P
1100 x 1100 x 3 mm	white	111P52/3P
1100 x 1100 x 5 mm	white	111P52/5P
1100 x 1100 x 3 mm	beige	111P53/3P
1100 x 1100 x 4 mm	beige	111P53/4P
1100 x 1100 x 5 mm	beige	111P53/5P
1100 x 1100 x 2 mm	blue	111P72/2P
1100 x 1100 x 3 mm	blue	111P72/3P
1100 x 1100 x 4 mm	blue	111P72/4P
1100 x 1100 x 5 mm	blue	111P72/5P
1100 x 1100 x 3 mm	red	111P73/3P
1100 x 1100 x 4 mm	red	111P73/4P
1100 x 1100 x 3 mm	brown	111P75/3P
1100 x 1100 x 4 mm	brown	111P75/4P
1100 x 1100 x 5 mm	brown	111P75/5P
1100 x 1100 x 3 mm	black	111P76/3P
1100 x 1100 x 4 mm	black	111P76/4P
1100 x 1100 x 5 mm	black	111P76/5P

Evazote

Material
Ethylene Vinyl acetate foam (EVA), closed-cell

Application
• Particularly suitable for padding positioning and correction splints and for embedding prominent areas in orthoses or insoles

Characteristics
• approx. 5 shore A, depending on colour and material thickness
• Mouldable at approx. 120 °C
• washable
• good restoring force

Dimensions L x W x H	Colour	Item-no.
1000 x 1000 x 5 mm	white	111P91/5
1000 x 1000 x 6 mm	white	111P91/6
1000 x 1000 x 8 mm	white	111P91/8
1000 x 1000 x 10 mm	white	111P91/10
1000 x 1000 x 12 mm	white	111P91/12
1000 x 1000 x 15 mm	white	111P91/15
1000 x 1000 x 20 mm	white	111P91/20
1000 x 1000 x 3 mm	blue	111P93/3
1000 x 1000 x 4 mm	blue	111P93/4
1000 x 1000 x 5 mm	blue	111P93/5
1000 x 1000 x 10 mm	blue	111P93/10

Cushioning Materials – EVA cushioning
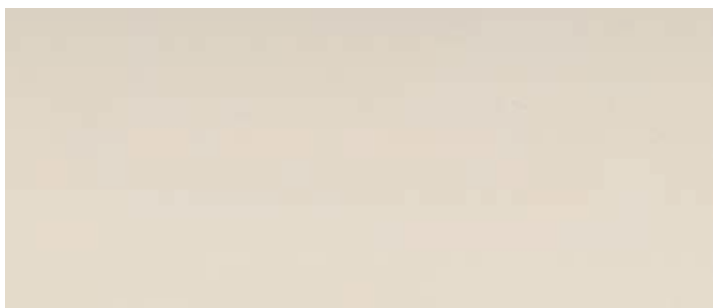
Streifylit

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell
- Colour: off-white

Application
- optimal lining material for corsets and positioning splints

Characteristics
- approx. 17 shore A
- Mouldable at approx. 130-140 °C
- glossy surface
- disinfectable
- weldable to itself and other thermoplastic materials (streifylast, streifylene, copolymer)

L x W x Thickness	Item-No.
5000 x 760 x 3 mm	110P63/3
5000 x 760 x 5 mm	110P63/5
5000 x 760 x 6 mm	110P63/6
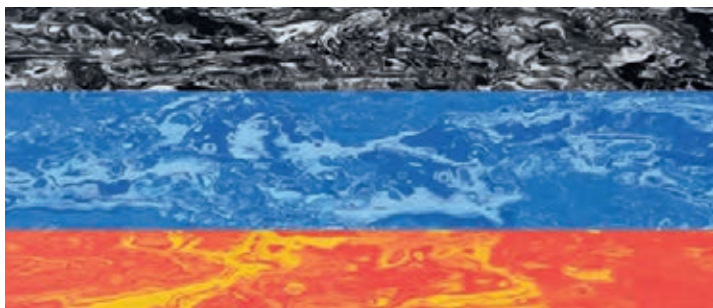
orpron batik

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell

Application
- for paddings of orthoses, insoles and embeddings
- especially for sports- and children's devices

Characteristics
- approx. 35-40 shore A, depending on colour and material thickness
- Mouldable at approx. 90-140 °C
- ground on both sides
- low specific dead weight

Dimensions L x W x H	Colour	Item-no.
approx. 1200 x 1000 x 2 mm	black/white	109P70/2
approx. 1200 x 1000 x 3 mm	black/white	109P70/3
approx. 1200 x 1000 x 4 mm	black/white	109P70/4
approx. 1200 x 1000 x 5 mm	black/white	109P70/5
approx. 1200 x 1000 x 6 mm	black/white	109P70/6
approx. 1200 x 1000 x 3 mm	blue/white	109P72/3
approx. 1200 x 1000 x 4 mm	blue/white	109P72/4
approx. 1200 x 1000 x 3 mm	yellow/orange	109P73/3
approx. 1200 x 1000 x 4 mm	yellow/orange	109P73/4

Cushioning Materials – EVA cushioning

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology
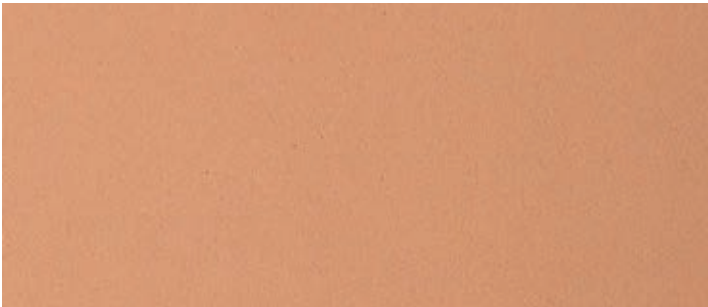
Nora-Lunairmed

Material
- Ethylene vinyl acetate (EVA), closed-cell
- colour: beige

Application
- padding material, especially suitable for manufacturing of inner shoes and for embeddings (customised orthopaedic shoes)
- particularly suitable for rheumatics and diabetics

Characteristics
- approx. 16 shore A
- Mouldable at approx. 110-130 °C
- very low density
- very soft
- very elastic
- washable

Dimensions L x W x H	Version	Item-no.
1,080 x 825 x 2 mm	unperforated	111P101/H2
1,080 x 825 x 3 mm	unperforated	111P101/H3
1,080 x 825 x 4 mm	unperforated	111P101/H4
1,080 x 825 x 5 mm	unperforated	111P101/H5
1,080 x 825 x 6 mm	unperforated	111P101/H6
1,080 x 825 x 8 mm	unperforated	111P101/H8
1,080 x 825 x 10 mm	unperforated	111P101/H10
1,080 x 825 x 3 mm	perforated	111P101/H3P
1,080 x 825 x 6 mm	perforated	111P101/H6P
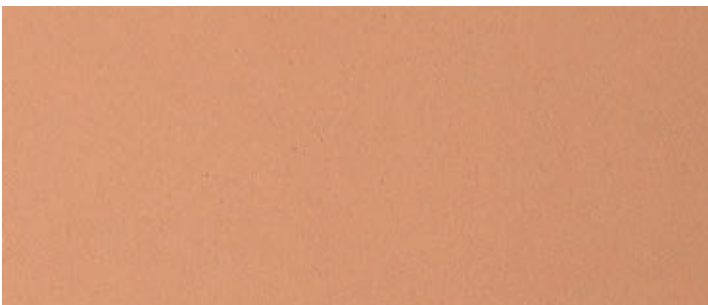
Nora-Lunairflex

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell
- colour: beige

Application
- padding material, especially suitable for manufacturing of inner shoes and for embeddings (customised orthopaedic shoes)

Characteristics
- approx. 22 shore A
- Mouldable at approx. 110-130 °C
- very low density
- soft
- very elastic
- washable

Dimensions L x W x H	Item-no.
1,200 x 750 x 3 mm	111P106/H3
1,200 x 750 x 4 mm	111P106/H4
1,200 x 750 x 5 mm	111P106/H5
1,200 x 750 x 6 mm	111P106/H6

Cushioning Materials – EVA cushioning
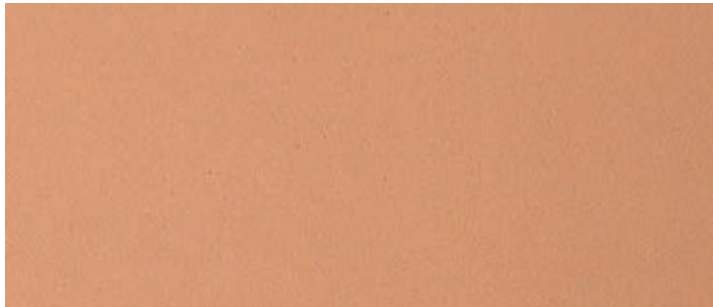
Nora-Lunalastik

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell
- colour: beige

Application
- padding material, especially suitable for manufacturing of inner shoes and for embeddings (customised orthopaedic shoes)

Characteristics
- approx. 25 shore A
- Mouldable at approx. 110-130 °C
- very low density
- soft
- highly break-proof
- washable
- good restoring force

Dimensions L x W x H	Item-no.
1150 x 750 x 3 mm	111P103/H3
1150 x 750 x 4 mm	111P103/H4
1150 x 750 x 5 mm	111P103/H5
1150 x 750 x 6 mm	111P103/H6
1150 x 750 x 3 mm	111P103/H3P
1150 x 750 x 6 mm	111P103/H6P
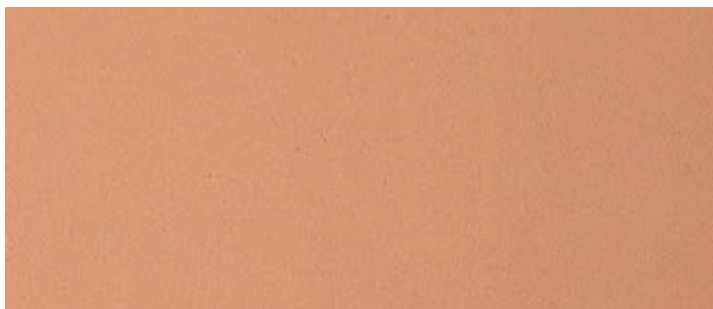
Nora-Lunasoft SLW

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell
- colour: beige

Application
- construction- and cushioning material for manufacturing of embeddings in orthopaedic shoes

Characteristics
- approx. 30 shore A
- Mouldable at approx. 120-170 °C
- very light-weight
- very soft
- smooth surface
- medium density
- shape retaining
- washable

Dimensions L x W x H	Item-no.
1150 x 750 x 2 mm	111P104/H2
1150 x 750 x 3 mm	111P104/H3
1150 x 750 x 4 mm	111P104/H4

Cushioning Materials – EVA cushioning

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

1150 x 750 x 5 mm	111P104/H5
1150 x 750 x 6 mm	111P104/H6
1150 x 750 x 8 mm	111P104/H8
1150 x 750 x 12 mm	111P104/H12

The specified temperatures Vary due to material thickness and density.

Nora-Lunasoft SL

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell
- colour: beige

Application
- construction- and cushioning material for manufacturing of embeddings in orthopaedic shoes

Characteristics
- approx. 40 shore A
- Mouldable at approx. 120-170 °C
- very light-weight
- smooth surface
- medium density
- shape retaining
- washable

Dimensions L x W x H	Item-no.
1140 x 740 x 2 mm	111P105/H2
1140 x 740 x 3 mm	111P105/H3
1140 x 740 x 4 mm	111P105/H4
1140 x 740 x 5 mm	111P105/H5
1140 x 740 x 6 mm	111P105/H6
1140 x 740 x 8 mm	111P105/H8
1140 x 740 x 12 mm	111P105/H12

The specified temperatures Vary due to material thickness and density.

Cushioning Materials – EVA cushioning

Nora-Lunacell

Material
- Ethylene vinyl acetate foam (EVA), closed-cell
- Colour: beige

Application
- particularly suitable for construction work and stabilising elements in the bedding construction of orthopaedic shoes

Properties
- approx. 68 Shore A
- Mouldable at approx. 120-170 °C
- tread-resistant
- tear and scratch resistant
- highly stable
- high density
- washable

Dimensions L x W x H	Item-no.
1080 x 850 x 1.5 mm	111P110
850 x 540 x 2.0 mm	111P111/2

Pryx

Material
- Ethylene Vinyl acetate foam (EVA), closed-cell
- colour: white

Application
- Particularly suitable as padding material for insoles and bedding construction

Characteristics
- approx. 45 Shore A
- Mouldable at approx. 150-180 °C
- medium density
- very good deep drawing capability

Dimensions L x W x H	Item-no.
900 x 780 x 3 mm	111P23/3
900 x 780 x 6 mm	111P23/6

Cushioning Materials – EVA cushioning

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Pryx, antistatic

Material
- Ethylene vinyl acetate foam (EVA), closed-cell
- Colour: black

Application
- antistatic cover material for insoles and embeddings

Characteristics
- approx. 45 Shore A
- Mouldable at approx. 120 °C
- antistatic
- medium density
- very good deep drawing capability

Dimensions L x W x H	Item-no.
1050 x 800 x 1 mm	111P14/1

Cushioning Materials – PO cushioning

Alveolux XRE (rebound)

Material
- Polyolefine foam (PO), closed-cell

Application
- Particularly suitable for the production of resistant, Very soft inner walls and for padding in orthoses and insoles

Characteristics
- approx. 14 Shore A
- Mouldable at approx. 120-140 °C
- high restoring force increased strength with low weight
- good restoring force
- bio-compatible
- water-repellent
- washable at 30 °C with mild detergents
- disinfectable
- Rebound effect
- Anti-slip effect

Dimensions L x W x H	Colour	Item-no.
1150 x 1150 x 3 mm	black	111P153/3
1150 x 1150 x 4 mm	black	111P153/4
1150 x 1150 x 5 mm	black	111P153/5
1150 x 1150 x 3 mm	blue	111P154/3
1150 x 1150 x 4 mm	blue	111P154/4
1150 x 1150 x 5 mm	blue	111P154/5
1150 x 1150 x 3 mm	beige	111P155/3
1150 x 1150 x 4 mm	beige	111P155/4
1150 x 1150 x 5 mm	beige	111P155/5

Alveolux XSA (shock absorb)

Material
- Polyolefin foam (PO), closed-cell

Application
- particularly suitable for the production of soft-walled internal moulds

Characteristics
- approx. 19 Shore A
- Mouldable at approx. 120-140 °C
- inhibits microbial growth
- good force absorption
- very high restoring force
- bio-compatible
- very light-weight
- Shock absorb effect

Dimensions W x D x H	Color	Item-No.
1150 x 1150 x 4 mm	light blue	111P152/4
1150 x 1150 x 6 mm	light blue	111P152/6

Cushioning Materials – PUR cushioning

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology
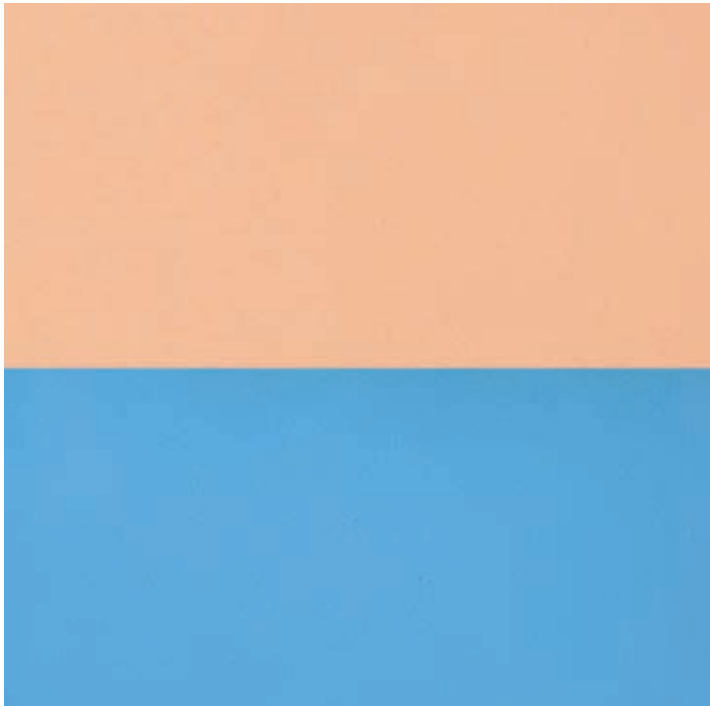
PPT

Material
• Polyurethane foam (PUR), open-cell

Application
• classic padding material for embeddings for sensitive body areas (e.g. for insoles)

Characteristics
• approx. 13 shore A
• very soft
• brushed on one side
• washable on one side
• very high restoring force
• permanently resilient
• not thermoplastic mouldable

Dimensions L x W x H	Colour	Item-no.
1370 x 750 x 1.5 mm	beige	110P50/15
1370 x 750 x 3 mm	beige	110P50/30
1370 x 750 x 6 mm	beige	110P50/60
1370 x 750 x 9 mm	beige	110P50/90
1370 x 750 x 1.5 mm	blue	110P51/15
910 x 760 x 3 mm	blue	110P51/32
910 x 760 x 6 mm	blue	110P51/60

Moltopren

Material
• Polyurethane foam (PUR), open-cell
• colour: white

Application
• excellently suitable for paddings and positioning supports with large surfaces

Characteristics
• density: 40 kg/m³
• soft

Dimensions L x W x H	Item-no.
2000 x 1300 x 10 mm	111P1/10
2000 x 1300 x 20 mm	111P1/20
2000 x 1000 x 40 mm	111P1/40
2000 x 1000 x 50 mm	111P1/50

Cushioning Materials – PUR cushioning

Memory Foam RG 60

Material
- Polyurethane foam (PUR), open-cell
- Colour: yellow

Application
- suitable for decubitus prophylaxis for seat cushions and soft paddings for positioning supports

Characteristics
- Density: 60 kg/m³
- Compression hardness: 6.0 kPa
- open-cell PU-foam with specific Viscoelastic characteristics

Dimensions L x W x H	Item-no.
2000 x 1000 x 10 mm	111P2/10
2000 x 1000 x 20 mm	111P2/20
2000 x 1000 x 50 mm	111P2/50
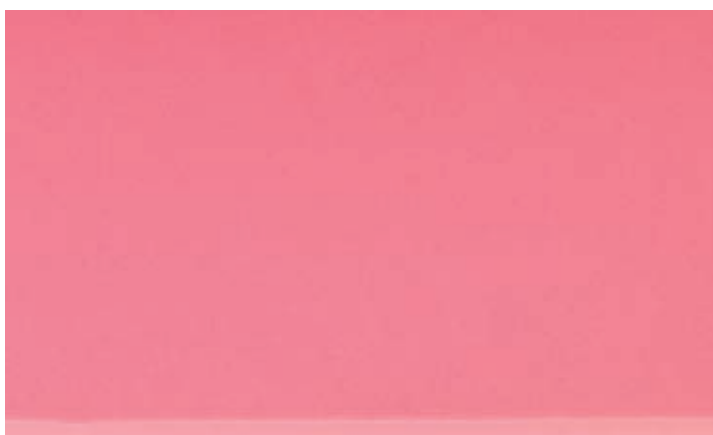
Memory Foam RG 60

Material
- Polyurethane foam (PUR), open-cell
- Colour: pale pink

Application
- suitable for decubitus prophylaxis for seat cushions and soft paddings for positioning supports

Characteristics
- Density: 60 kg/m³
- Compression hardness: 12.0 kPa
- specific Viscoelastic characteristics
- especially high restoring force

Dimensions L x W x H	Item-no.
2000 x 1000 x 10 mm	111P3/10
2000 x 1000 x 20 mm	111P3/20
2000 x 1000 x 50 mm	111P3/50

Cushioning Materials – PUR cushioning

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology
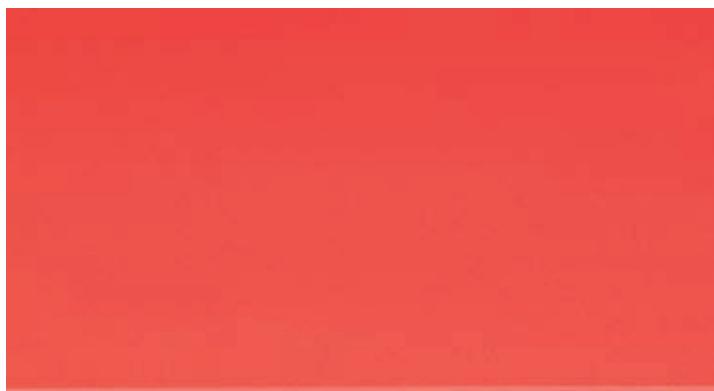
ST Diabetic-Material

Material
- Polyurethane foam (PUR), open-cell
- colour: red

Application
- padding material for embedding of pressure-sensitive diabetic feet on insoles

Characteristics
- approx. 10 shore A
- soft
- surge- and pressure-absorbing
- high but deferred restoring force
- good bonding characteristics
- plain on both sides

L x W x Thickness	Item-No.
1370 x 1000 x 3 mm	110P65/3
1370 x 1000 x 5 mm	110P65/5
1370 x 1000 x 6 mm	110P65/6

Cushioning Materials – Neoprene and felt

Orthoprene (Neoprene)

Material
- foamed polychloroprene
- standard type: textile lamination on both sides (nylon/polyester jersey)

Application
- particularly suitable as upholstery material

Characteristics
- approx. 10 shore A
- padding
- elastic
- heat-insulating
- bonds well with contact glues (e.g. Ortec special glue item-no. 118P18)
- not thermoplastic mouldable

Following types are available upon request
- without textile lamination
- with textile lamination on one side
- with Velour lamination (compatible with hook fasteners) available in black, navy-blue, nature and white (against surcharge)

When ordering please indicate desired lamination!

L x W x Thickness	Item-No.
2100 x 1350 x 2 mm	114P1/2
2100 x 1350 x 3 mm	114P1/3
2100 x 1350 x 4 mm	114P1/4
2100 x 1350 x 5 mm	114P1/5
2100 x 1350 x 6 mm	114P1/6
2100 x 1350 x 7 mm	114P1/7

Due to the numerous combination possibilities, Orthoprene is not in stock and the delivery time is approx. 14 days.

Cushioning Materials – Neoprene and felt

140P103

Padding Felt

Material
- Wool-viscose mix

Application
- particularly suitable as a natural upholstery material and for thin Varnishes and laminations

Characteristics
- sharpenable
- skin-friendly
- breathable

PU = running meter

Version	Dimensions W x H	Colour	Weight	Item-no.
Upholstery felt	approx. 1800 x 3 mm	off-white	approx. 420 g/m²	140P103
saddle felt	approx. 1800 x 3 mm	white	approx. 600 g/m²	141P103
Felt cloth	approx. 1800 x 1 mm	white	approx. 230 g/m²	142P5/W
Felt cloth, self-adhesive	1000 x 2 mm	off-white	approx. 700 g/m²	142P4/2

Slight colour deviations are possible for technical production reasons.

Laminating Technology – Resin systems

Streifeneder Lamination Resin

Material
- Acrylic resin (PMMA) with 20 % soft resin
- Streifeneder brand

Application
- classic lamination resin for manufacturing of prosthetic sockets and orthoses

Characteristics
- thermoplastic
- easy to handle
- quick results

Content	Item-No.
900 g	112P120/1
4,9 kg	112P120/5
25,0 kg	112P120/25

Please only use our hardener powder (order no. 112P33) or our hardener paste (order no. 112P17) and our colour paste (order no. 112P49). We recommend approx. 1-3 g hardener powder or hardener paste and approx. 3 g colour paste per 100 g resin.

Lamination Resin 80:20

Material
- Acrylic resin (PMMA) with soft resin

Application
- classic lamination resin for manufacturing of prosthetic sockets and orthoses

Characteristics
- thermoplastic
- easy to handle
- quick results

Content	Item-no.
900 g	112P20/1
4.6 kg	112P20/5

Please only use our hardener powder (order no. 112P33) or our hardener paste (order no. 112P17) and our colour paste (order no. 112P49). For 100 g resin, we recommend approx. 1-3 g hardener powder or hardener paste and approx. 3 g colour paste.

Laminating Technology – Resin systems

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Streifeneder Lamination Resin, flexible

Material
- Soft acrylic resin (PMMA)
- Streifeneder brand

Application
- particularly suitable for the production of flexible laminates

Characteristics
- thermoplastic
- easy to handle
- remains permanently flexible

Content	Item-no.
900 g	112P114/1
4.9 kg	112P114/5

Please only use our hardener powder (order no. 112P33) or our hardener paste (order no. 112P17) and our colour paste (order no. 112P49). For 100 g resin, we recommend approx. 1-3 g hardener powder or hardener paste and approx. 3 g colour paste.

Streifeneder Lamination Resin C

Material
- Low-viscosity acrylic resin (PMMA)
- Streifeneder brand

Application
- special formula for processing C-fibres

Characteristics
- thermoplastic
- easy to handle
- Good flushing around the reinforcement due to the low Viscosity
- suitable for stiff and firm constructions

Content	Item-No.
900 g	112P122/1
4,9 kg	112P122/5
25,0 kg	112P122/25

Please only use our hardener powder (order no. 112P33) or our hardener paste (order no. 112P17) and our colour paste (order no. 112P49). We recommend approx. 1-3 g hardener powder or hardener paste and approx. 3 g colour paste per 100 g resin.

Laminating Technology – Resin systems

Lamination Resin C

Material
- Low-viscosity acrylic resin (PMMA)

Application
- special formula for processing C-fibres

Characteristics
- thermoplastic
- easy to handle
- Good flushing around the reinforcement due to the low Viscosity
- suitable for stiff and firm constructions

Content	Item-No.
900 g	112P22/1
4,6 kg	112P22/5
25,0 kg	112P22/25

Please only use our hardener powder (order no. 112P33) or our hardener paste (order no. 112P17) and our colour paste (order no. 112P49). We recommend approx. 1-3 g hardener powder or hardener paste and approx. 3 g colour paste per 100 g resin.

Streifeneder Sealing Resin

Material
- Acrylic resin (PMMA)
- Streifeneder brand

Application
- particularly suitable for sealing, reinforcing and bonding components such as orthoses and prosthetic sockets

Characteristics
- easy to handle
- quick results
- high adhesion power
- very hard

Content	Item-no.
900 g	112P115/1
4.9 kg	112P115/5
25 kg	112P115/25

Please only use our hardener powder (order no. 112P33) or our hardener paste (order no. 112P17) and our colour paste (order no. 112P49). We recommend approx. 1-3 g hardener powder or hardener paste and approx. 3 g colour paste per 100 g resin.

Laminating Technology – Resin systems

Sealing Resin

Material
- Acrylic resin (PMMA)

Application
- particularly suitable for sealing, reinforcing and bonding components such as orthoses and prosthetic sockets

Characteristics
- easy to handle
- quick results
- high adhesion power
- very hard

Content	Item-no.
900 g	112P15/1
4.6 kg	112P15/5

Please only use our hardener powder (order no. 112P33) or our hardener paste (order no. 112P17) and our colour paste (order no. 112P49). We recommend approx. 1-3 g hardener powder or hardener paste and approx. 3 g colour paste per 100 g resin.

Additional parts

for Streifeneder acrylic resins

Description	Content	Item-no.
Atlas diluent for acrylic resins	800 g	112P13/1

Hardener Paste

Material
- paste-like hardener for Streifeneder acrylic resins (order no. 112P114, 112P115, 112P15, 112P120, 112P20, 112P122, 112P22), sealing resin compact adhesive (order no. 112P38), light putty (order no. 112P35) and acrylic putty (order no. 112P39)

Characteristics
- easy and homogeneous mixing, especially with paste-like putties and adhesives

Content	Item-No.
50 g	112P17

Laminating Technology – Resin systems

Hardener Powder

Material
- powder-like hardener for Streifeneder acrylic resins (order no. 112P114, 112P115, 112P15, 112P120, 112P20, 112P122, 112P22), sealing resin compact adhesive (order no. 112P38), light putty (order no. 112P35) and acrylic putty (order no. 112P39)

Characteristics
- easy and homogeneous mixing, especially with liquid resinsand adhesives
- including measuring spoon

Content	Item-No.
150 g	112P33/15
500 g	112P33/50

Spare parts

for hardener powder (112P33)

Description	Filling Volume	PU	Item-no.
Measuring spoon	1.75 ml	10 piece	164P5

EpoxiPure Orthainable Lamination Resin

Material
- Low viscosity epoxy resin (EP)
- certified bio-carbon content: 31.46 %

Application
- for stable and thin-walled C-fibre constructions

Characteristics
- thermosetting
- suitable for overlamination
- Solvent-free, phenol-free, free from benzyl alcohol
- Good flushing around the reinforcement due to the low Viscosity

Content	Item-no.
1.0 kg	112P79/1
5.0 kg	112P79/5

Please only use our EpoxiPure hardener (order no. 112P81). We recommend 40 g hardener per 100 g resin.

Components or materials based wholly or partly on renewable raw materials are preferred. The product is less harmful to the health of people who work with it. More specifically, this means fewer hazardous substance symbols than for comparable products.

Laminating Technology – Resin systems

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

EpoxiPure Lamination Resin

Material
- Low viscosity epoxy resin (EP)

Application
- for stable and thin-walled C-fibre constructions

Characteristics
- duroplast
- suitable for overlamination
- solvent-free
- Good flushing around the reinforcement due to the low Viscosity

Content	Item-No.
1,0 kg	112P80/1
5,0 kg	112P80/5

Please only use our hardener (order no. 112P81). We recommend 40 g hardener per 100 g resin.

EpoxiPure Hardener

Material
- Liquid hardener for EpoxiPure Orthainable lamination resin (item-no. 112P79) and EpoxiPure lamination resin (item-no. 112P80)

Characteristics
- transparent
- phenol-free
- low odour

Content	Item-No.
400 g	112P81/04
2,0 kg	112P81/2

Laminating Technology – Reinforcement materials
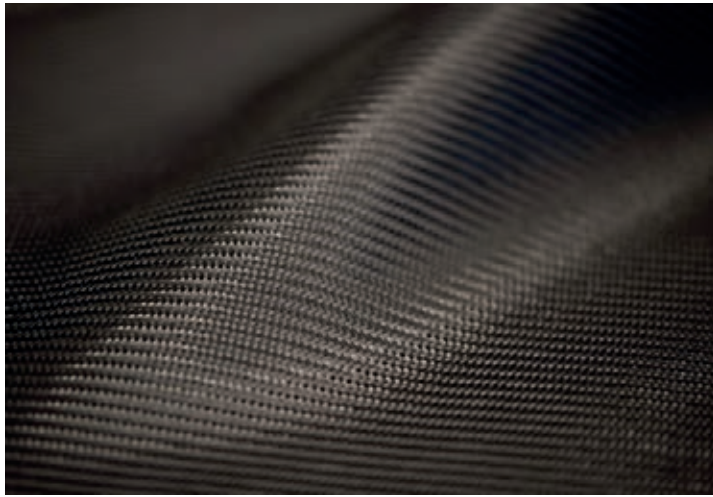
Carbon Fibre Fabric

Material
- Bidirectional carbon fibre
- Twill weave: 2/2
- Surface weight: approx. 200 g/sqm

Application
- particularly suitable for high-strength, flat laminate reinforcements

Characteristics
- good drapability
- good impregnation
- suitable for all resin systems

PU = running metre

Width	Item-No.
1000 mm	95P35
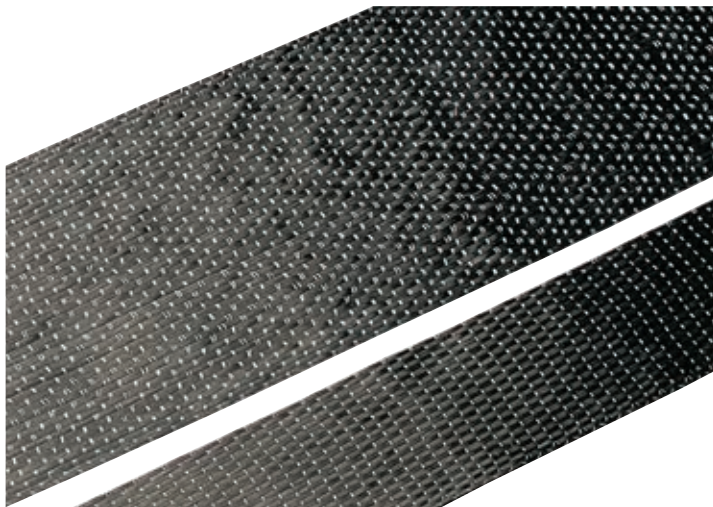
Carbon Fibre Tape

Material
- Unidirectional carbon fibre with cotton weft thread

Application
- for reinforcing laminates in axial as well as circular direction

PU = 50 metres per roll

Width	Item-No.
25 mm	95P28
45 mm	95P8
100 mm	95P18

Carbon Fibre Thread

Material
- Carbon fibre roving

Application
- for sewing of carbon fibre profiles in carbon fibre orthoses

PU = 15 metres per roll

Width	Item-No.
2 mm	250P14

Laminating Technology – Reinforcement materials
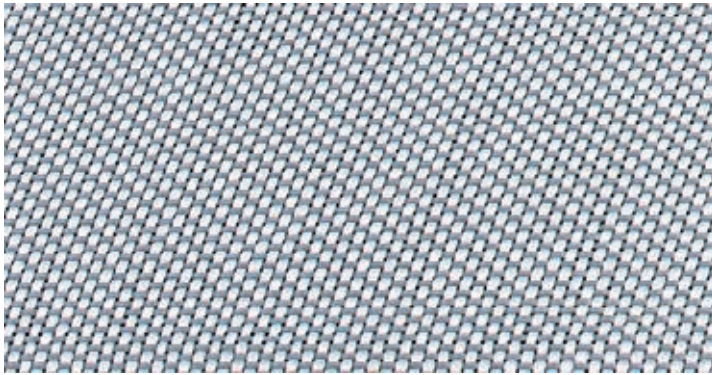
Fibreglass Fabric

Material
- Bidirectional fibreglass
- Canvas weave
- weight: 200 g/sqm

Application
- Particularly suitable for flat laminate processes

PU = running metre

Width	Item-No.
1100 mm	95P26

Fibreglass Webbing-Combo

Material
- Combination of fibreglass roving and chopped strand mat
- Canvas weave
- Surface weight: approx. 910 g/sqm

Application
- particularly suitable as reinforcement for laminate reinforcements

PU = running metre

Width	Item-No.
1250 mm	95P27
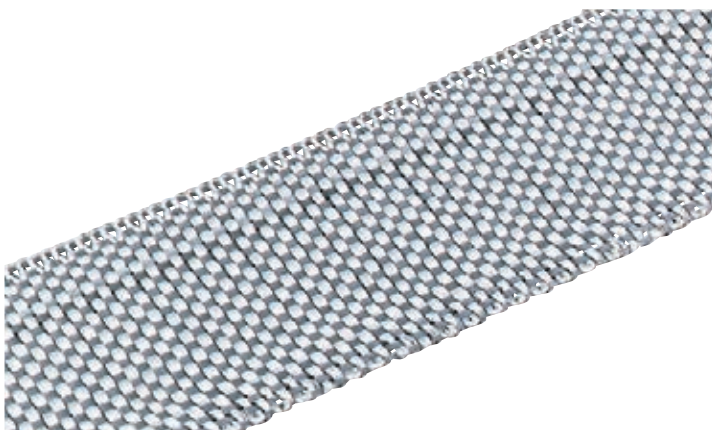
Fibreglass Tape

Material
- Fibreglass
- Canvas weave
- Surface weight: approx. 225 g/sqm

Application
- Particularly suitable for circular and axial laminating processes

PU = 100 metres per roll

Width	Item-No.
50 mm	95P25/50
100 mm	95P25/100

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

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Insole Technology

Laminating Technology – Reinforcement materials
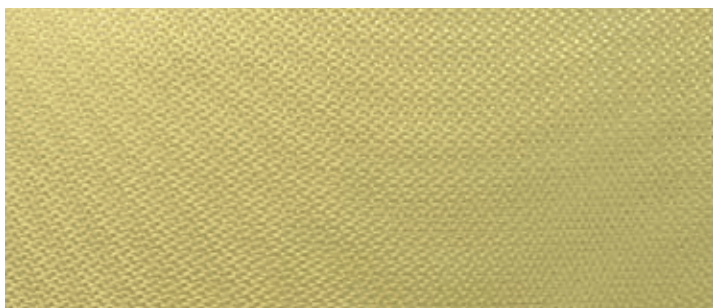
Aramid Fibre Fabric

Material
- Bidirectional aramid fibre
- twill weave: 1/3
- weight: 170 g/qm

Application
- Particularly suitable for flexible areas within a cast resin

Characteristics
- high rigidity
- Impact and abrasion resistant

PU = running metre

Width	Item-No.
1000 mm	95P29

Braided Carbon Fibre Sleeve

Material
- Carbon fibre

Application
- for manufacturing of rigid resin laminated sockets, for reinforcement of the condylus area and connecting parts with low weight

PU = 10 metres per roll

Width	Item-No.
20 mm	95P9/20
80 mm	95P9/80
100 mm	95P9/100
150 mm	95P9/150
200 mm	95P9/200

Carbon-UD-Sleeve

Material
- Unidirectional carbon fibre with elastic weft yarn

Application
- for conical or undulated models, suitable for axial-reinforcements

PU = 5 m per roll

Laminating Technology – Reinforcement materials

Width	Elastic	Item-No.
20 mm	20 – 50 mm	95P7/20
40 mm	40 – 90 mm	95P7/40
70 mm	70 – 150 mm	95P7/70
100 mm	100 – 250 mm	95P7/100
150 mm	150 – 325 mm	95P7/150
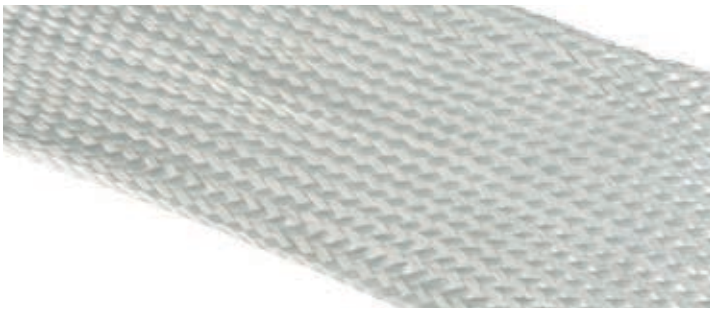
Braided Fibreglass Sleeve

Material
- Fibreglass

Application
- for the manufacturing of thin walled but Very rigid resin laminates

PU = 7 metres per roll

Width	Item-no.
100 mm	95P23/100
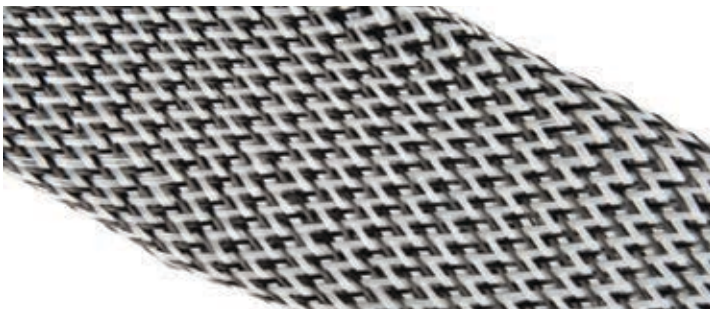
Braided Carbon/Fibreglass Sleeve

Material
- Carbon and fibreglass

Application
- for thin walled and Very rigid resin laminates

PU = 10 metres per roll

Width	Item-No.
80 mm	95P30/80
100 mm	95P30/100
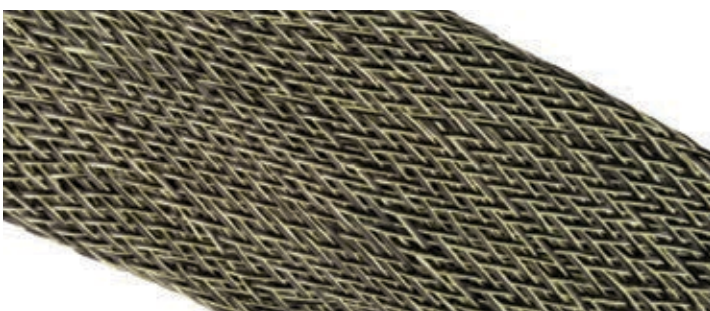
Braided Carbon/Aramid Sleeve

Material
- Carbon and aramid fibre

Application
- for thin walled and Very rigid light weight resin laminates

PU = 10 metres per roll

Width	Item-No.
80 mm	95P31/80
100 mm	95P31/100

Laminating Technology – Reinforcement materials
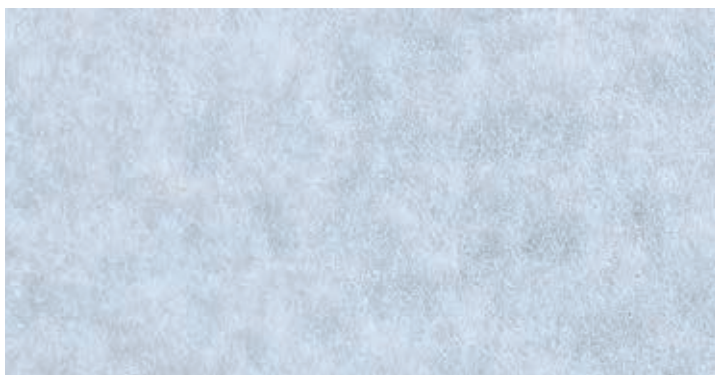
Dacron Felt

Material
- Polyester (PES)
- weight: 190 g/sqm
- colour: white

Application
- creates a fine surface
- absorbs excessive resin

Characteristics
- weldable

PU = running metre

Width x Thickness	Item-No.
930 x 3 mm	140P41

Cast resin materials

Material
- 83 % polyester and 17 % elasthane
- weight 180 g/sqm

Application
- decoration fabric for the first or last layer in lamination and Prepreg technology

Characteristics
- coloured design
- shiny, smooth surface
- longitudinal expansion 135 %
- transverse expansion 80 %

PU = metre or piece (for tubular fabric)

Width	Motive	Item-no.
1600 mm	White	130P1/01
1600 mm	Pin up	130P1/02
1600 mm	Motorbikes	130P1/05
1600 mm	Tattoo multi-coloured	130P1/11
1600 mm	Camouflage	130P1/17
1600 mm	Waves	130P1/18
1600 mm	Palisander wood	130P1/19
1600 mm	Carbon	130P1/20
1600 mm	Jeans	130P1/21

Laminating Technology – Reinforcement materials

Perlon Stockinette

Material
- Polyamide (PA)
- colour: white

Application
- for reinforcements in laminate layers

Characteristics
- elastic
- create a fine and smooth surface

Width	PU	Length: per roll	Item-no.
40 mm	0.5 kg	45.4 m	95P6/4
60 mm	0.5 kg	27.7 m	95P6/6
80 mm	0.5 kg	20.8 m	95P6/8
100 mm	1.0 kg	37.0 m	95P6/10
120 mm	1.0 kg	33.3 m	95P6/12
150 mm	1.0 kg	27.0 m	95P6/15
180 mm	1.0 kg	22.7 m	95P6/18
200 mm	1.0 kg	20.0 m	95P6/20
250 mm	1.0 kg	13.5 m	95P6/25
300 mm	1.0 kg	11.1 m	95P6/30
350 mm	1.0 kg	9.5 m	95P6/35
400 mm	1.0 kg	8.8 m	95P6/40

Polyester Stockinette

Material
- polyester (PES)
- colour: white

Application
- for reinforcements in laminate layers

Characteristics
- elastic
- low weight
- create a fine and smooth surface

Width	PU	Length: per roll	Item-no.
60 mm	0.5 kg	24.5 m	95P16/6
80 mm	0.5 kg	18.0 m	95P16/8
100 mm	1.0 kg	31.5 m	95P16/10
120 mm	1.0 kg	27.5 m	95P16/12
150 mm	1.0 kg	23.3 m	95P16/15

Cotton Stockinette

Material
- cotton (CO)

Application
- particularly suitable for insulating plaster models
- for absorption of humidity and to create an even Vacuum in a work piece
- Multi-purpose stockinette

Characteristics
- super elastic

Width	PU	Length: per roll	Colour	Item-no.
40 mm	0.5 kg	32.0 m	off-white	95P11/4
60 mm	0.5 kg	23.8 m	off-white	95P11/6
80 mm	0.5 kg	17.2 m	off-white	95P11/8
100 mm	1.0 kg	27.7 m	off-white	95P11/10
120 mm	1.0 kg	25.6 m	off-white	95P11/12
150 mm	1.0 kg	19.2 m	off-white	95P11/15
180 mm	1.0 kg	17.2 m	off-white	95P11/18
200 mm	1.0 kg	14.9 m	off-white	95P11/20
250 mm	1.0 kg	12.5 m	off-white	95P11/25
300 mm	1.0 kg	10.0 m	off-white	95P11/30
350 mm	1.0 kg	8.9 m	off-white	95P11/35
400 mm	1.0 kg	7.7 m	off-white	95P11/40
40 mm	0.5 kg	32.0 m	white/bleached	95P3/4
60 mm	0.5 kg	23.8 m	white/bleached	95P3/6
80 mm	0.5 kg	17.2 m	white/bleached	95P3/8
100 mm	1.0 kg	27.7 m	white/bleached	95P3/10
120 mm	1.0 kg	25.6 m	white/bleached	95P3/12
150 mm	1.0 kg	19.2 m	white/bleached	95P3/15
200 mm	1.0 kg	14.9 m	white/bleached	95P3/20
250 mm	1.0 kg	12.5 m	white/bleached	95P3/25
300 mm	1.0 kg	10.0 m	white/bleached	95P3/30
350 mm	1.0 kg	8.9 m	white/bleached	95P3/35
400 mm	1.0 kg	7.7 m	white/bleached	95P3/40

Laminating Technology – Reinforcement materials

Elastic Ruffled Stockinette

Material
- polyamide (PA, Helanca)

Application
- for reinforcements in laminate layers

Characteristics
- very elastic
- voluminous, bulky yarn

Width	PU	Length: per roll / size	Colour	Item-no.
80 – 90 mm	0.5 kg	38.4 m / size A	white	95P12/A
110 – 120 mm	1.0 kg	41.6 m / size B	white	95P12/B
140 – 150 mm	1.0 kg	32.2 m / size C	white	95P12/C
200 – 210 mm	1.0 kg	23.8 m / size D	white	95P12/D
80 – 90 mm	0.5 kg	38.4 m / size A	beige	95P13/A
110 – 120 mm	1.0 kg	41.6 m / size B	beige	95P13/B
140 – 150 mm	1.0 kg	32.2 m / size C	beige	95P13/C
200 – 210 mm	1.0 kg	38.4 m / size A	beige	95P13/D

Elastic Stockinette

Material
- Polyamide (PA)
- colour: white

Application
- Particularly suitable as a filter hose for silicone reinforcements

Characteristics
- very elastic
- voluminous yarn

Width	PU	Length per roll	Item-No.
60 mm	0,5 kg	50,0 m	95P19/6
80 mm	1,0 kg	50,0 m	95P19/8
100 mm	1,0 kg	77,0 m	95P19/10
120 mm	1,0 kg	50,0 m	95P19/12
150 mm	1,0 kg	43,5 m	95P19/15

Laminating Technology – Reinforcement materials

Fibreglass Stockinette

Material
- Glass silk
- colour: white

Application
- for reinforcements in laminate layers

Characteristics
- very elastic
- high mechanical strength
- create a fine and smooth surface

PU = 1 kg

Width	Length per roll / size	Item-No.
70 – 80 mm	39,5 m / Size E	95P14/E
90 – 100 mm	35,7 m / Size A	95P14/A
130 – 140 mm	27,0 m / Size B	95P14/B
150 – 160 mm	21,3 m / Size C	95P14/C
200 – 220 mm	14,3 m / Size D	95P14/D

Fibreglass Stockinette "Bufa"

Material
- Glass silk
- colour: white

Application
- for special reinforcement technology, recommended by BUFA (Federal College of orthopaedic technology)

Characteristics
- wide-meshed, opened knit
- elastic

PU = 1 kg

Width	Length: per roll	Item-no.
100 mm	15.6 m	95P4/10
120 mm	12.5 m	95P4/12
150 mm	9.3 m	95P4/15
180 mm	7.9 m	95P4/18
200 mm	7.2 m	95P4/20
250 mm	5.2 m	95P4/25

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Laminating Technology – Reinforcement materials

Polyglass Stockinette

Material
- polyester- and fibreglass mixture
- colour: white

Application
- for reinforcements in laminate layers

Characteristics
- very elastic
- creates a fine surface

Width	PU	Length: per roll	Item-no.
60 mm	0.5 kg	30.0 m	95P17/6
80 mm	1.0 kg	34.0 m	95P17/8
100 mm	1.0 kg	30.9 m	95P17/10
120 mm	1.0 kg	25.1 m	95P17/12
150 mm	1.0 kg	22.6 m	95P17/15
200 mm	1.0 kg	17.3 m	95P17/20

Vacuum Stockinette

Material
- Polyamide (PA)
- colour: white

Application
- Particularly suitable for insulation during deep drawing and laminating
- The use of the Vacuum stocking makes it easier to fill undercuts during suctioning

Characteristics
- very elastic

Width	Length per roll	Item-No.
5 cm, stretchable to 20 cm	10.0 m	95P1/5
10 cm, stretchable to 40 cm	10.0 m	95P1/10

Laminating Technology – Reinforcement materials

Vacuum Stockinette Extra

Material
- Polyamide (PA)

Application
- particularly suitable for insulation during deep drawing and laminating
- The use of the Vacuum stocking makes it easier to fill undercuts during suctioning

Characteristics
- very elastic

Width	Length: per roll	Colour	Item-no.
6 cm, stretchable up to 40 cm	31.0 m	black	95P2/S
6 cm, stretchable up to 40 cm	23.0 m	white	95P2/5
8 cm, stretchable up to 40 cm	23.0 m	white	95P2/10

Laminating Technology – Foams

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Rigid Foam H200

Material
- Polyurethane rigid foam
- Volume weight: 200 kg/m³

Application
- for the production of light shortening compensations and cosmetics in prosthetics

Mixing ratio
- 1 part rigid foam: 1 part hardener

Content	Item-No.
1.0 kg	112P16/1
5.0 kg	112P16/5

Please regard the mixing ratio and mix the components well. Please use the designated hardener (item-no. 112P24) for this rigid foam.

Rigid Foam H300

Material
- Polyurethane rigid foam
- Volume weight: 300 kg/m³

Application
- for the production of light shortening compensations and cosmetics in prosthetics

Mixing ratio
- 1 part rigid foam: 1 part hardener

Content	Item-No.
1.0 kg	112P23/1
5.0 kg	112P23/5

Please regard the mixing ratio and mix the components well. Please use the designated hardener (item-no. 112P24) for this rigid foam.

Rigid Foam H700

Material
- Polyurethane rigid foam
- Volume weight: 700 kg/m³

Application
- for the production of pressure-resistant shortening compensations and impact- and nail-resistant shoe lasts

Mixing ratio
- 1 part rigid foam: 1 part hardener

Content	Item-No.
1.0 kg	112P25/1
5.0 kg	112P25/5

The expansion behaviour of our rigid foam H700 is less pronounced than that of our rigid foam H200 and H300. Please use the designated hardener for this rigid foam (item-no. 112P24).

Hardener for rigid foam and moulding

Mixing ratio
- 1 part rigid foam: 1 part hardener
- 10 : 4 (Duplicating Foam : Hardener)

Content	Item-No.
1.0 kg	112P24/1
5.0 kg	112P24/5

Please regard the mixing ratio and mix the components well.

Laminating Technology – Foams

Flexible Foam W150

Material
- Polyurethane flexible foam
- Volume weight: approx. 165 kg/m³

Application
- particularly suitable for the production of soft cosmetics and padding in prosthetics

Mixing ratio
- 2 : 1 (soft foam : hardener)

Content	Item-No.
865 g	112P26/1

Please observe the mixing ratio and mix the components well. Please use the appropriate hardener for this flexible foam (order no. 112P28).

Flexible Foam W300

Material
- Polyurethane flexible foam
- Volume weight: approx. 325 kg/m³

Application
- particularly suitable for the production of elastic levellers

Mixing ratio
- 2 : 1 (soft foam : hardener)

Content	Item-No.
865 g	112P27/1

Please regard the mixing ratio and mix the components well. Please use the appropriate hardener for this flexible foam (order no. 112P28).

Hardener for Flexible Foam

Mixing ratio
- 2 : 1 (flexible foam : hardener)

Content	Item-No.
865 g	112P28/1

Please regard the mixing ratio and mix the components well.

Laminating Technology – Putty materials

Glass Fibre Putty

Material
• glass fibre putty based on polyester

Application
• for reinforcing, adjusting and filling
• well suitable for embedding socket adapters

Characteristics
• very durable
• well grindable after hardening
• quick processing
• incl. spatula and hardener paste (40 g)

Content	Item-No.
1,3 kg	112P31

Light Putty

Material
• Putty on polyester base

Application
• to narrow and adjust e.g. prosthetic sockets

Characteristics
• well grindable
• easy and quick processing
• fluffy

Content	Item-No.
1,0 kg	112P35/1

Please only use our hardener powder (order no. 112P33) or our hardener paste (order no. 112P17). We recommend adding a maximum of 3 % hardener powder or hardener paste.

Laminating Technology – Putty materials

Synthetics

Cushioning Materials

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Small parts

Textiles

Insole Technology

Acrylic Putty

Material
- Putty on acrylic base

Application
- for embedding adapters, metal bars at wooden or laminated sockets

Characteristics
- pressure-resistant
- well grindable
- easy and quick processing

Content	Item-No.
1,0 kg	112P39

Please only use our hardener powder (order no. 112P33) or our hardener paste (order no. 112P17). We recommend adding a maximum of 3 % hardener powder or hardener paste.

Laminating Technology – PVA-bags & foils

PVA Lamination Bag

Material
- Polyvinyl alcohol (PVA)
- colour: transparent

Application
- particularly suited for acrylic- and epoxy resin as well as silicone tasks

Characteristics
- Material strength: 0.08 mm
- durable
- tear-resistant
- narrow, high quality welding seam

Size B + C = half circumference

PU = 10 pcs
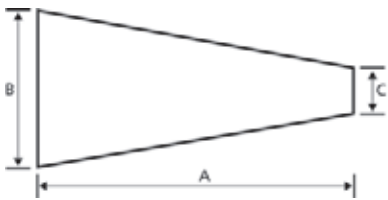
Dimensions A x B x C	Use	Item-No.
600 x 110 x 40 mm	arm prostheses	119P3/1
700 x 190 x 50 mm	soft sockets and BK prostheses	119P3/2
700 x 270 x 50 mm	AK prostheses	119P3/3
1000 x 190 x 50 mm	BK prostheses	119P3/4
1000 x 260 x 50 mm	AK prostheses	119P3/5
1300 x 220 x 50 mm	BK prostheses	119P3/6
1300 x 260 x 50 mm	AK prostheses	119P3/7
1300 x 190 x 50 mm	BK prostheses	119P3/8
1000 x 360 x 50 mm	AK prostheses	119P3/9

For soaking the PVA lamination bags, use a wet and clean towel. Cover resp. roll all PVA lamination bag surfaces into the towel, so all areas of the foil can soak evenly. Soaking time approx. 15- 20 minutes.

Laminating Technology – PVA-bags & foils

Synthetics

Cushioning Materials

Laminating Technology

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Small parts

Textiles

Insole Technology
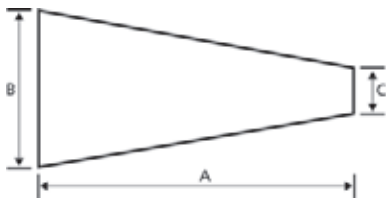
PVA Lamination Bag „Special"

Material
- Polyvinyl alcohol (PVA)
- colour: transparent

Application
- particularly suited for acrylic- and epoxy resin as well as silicone tasks

Characteristics
- Material strength: 0.1 mm
- especially durable
- high-quality, hand ironed seam

Size B + C = half circumference

PU = 10 pcs

Dimensions A x B x C	Description	Item-No.
560 x 110 x 40 mm	PVA Bag Size AR	119P29/AR
670 x 270 x 120 mm	PVA Bag Size O	119P29/O
680 x 190 x 70 mm	PVA Bag Size W	119P29/W
1000 x 230 x 50 mm	PVA Bag Size U	119P29/U
1300 x 250 x 50 mm	PVA Bag Size OU	119P29/OU

For soaking the PVA lamination bags, use a wet and clean towel. Cover resp. roll all PVA lamination bag surfaces into the towel, so all areas of the foil can soak evenly. Soaking time approx. 15- 20 minutes.

PVA Film

Material
- Polyvinyl alcohol (PVA)
- colour: transparent

Application
- particularly suited for acrylic- and epoxy resin as well as silicone tasks

Characteristics
- Material strength: 0.08 mm
- rolled
- water soluble
- durable
- tear-resistant

PU = running metre

Width	Item-no.
760 mm	110P9/1
1000 mm	110P6/1

1300 mm	110P8/1
760 mm	110P9/30
1000 mm	110P6/30
1300 mm	110P8/30
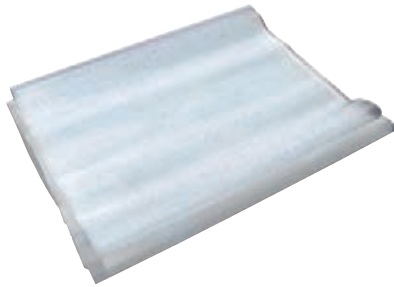
PVC Film

Material
- Soft polyvinyl chloride (PVC)

Application
- creation of shiny and smooth surfaces on Prepreg products
- Also suitable for model insulation during casting resin work

PU = running metre or 200m per roll

Chart 1

Width x Thickness	Type	Item-No.
1300 x 0,12 mm	crystal clear	110P40
1400 x 0,12 mm	frosted	110P4

Laminating Technology – Laminating accessories

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

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Small parts

Textiles

Insole Technology

Mixing Cup

Material
- Polypropylene (PP)

Application
- multi-purpose cup

Characteristics
- with scale

PU = 20 pcs or 100 pcs

Filling quantity	Item-No.
200 ml	164P6/180
400 ml	164P6/500

Wooden Spatula

Material
- wood

Application
- multi-purpose putty to mix liquid and pasty compounds

PU = 100 pcs

L x W x Thickness	Item-No.
255 x 16 x 3,5 mm	164P9

Micro balloon

Material
- glass hollow spheres
- colour: white

Application
- filler material (max. 30 %)

Characteristics
- very fine and light
- provides smooth laminate surfaces
- pressure resistant

Content	Item-No.
1,0 kg	112P40/1

Glass Fibre Filler Material

Material
• glass fibre flakes

Application
• particularly suitable for thickening sealing resin

Characteristics
• provides a well grindable and durable mixture

Mixing ratio
• 50 g sealing resin item-no. 112P15
• 1.5 g hardener powder (order no. 112P33) or hardener paste (order no. 112P17)
• max. 50 g glass fibre filler material

Content	Item-No.
1,0 kg	112P41/1

The higher the content of fibres of item-no. 112P41, the denser the spackle.

Pigment Paste

Material
• pasty colouring pigments

Application
• for colouring epoxy and acrylic resins

Characteristics
• high-yield
• easy to mix

Content	Colour	Item-no.
250 g	blue	112P49/B
250 g	brown	112P49/BR
250 g	yellow	112P49/GB
250 g	green	112P49/GR
250 g	beige	112P49/H
250 g	magenta	112P49/M
250 g	orange	112P49/O
250 g	red	112P49/R
250 g	black	112P49/S
250 g	white	112P49/W

Laminating Technology – Laminating accessories

Synthetics

Cushioning Materials

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Prepreg Technology

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Textiles

Insole Technology

Talcum Powder

Material
- Magnesium silicate hydrate

Application
- Particularly suitable as a filler and as a mineral lubricant and release agent

Content	Item-No.
1,0 kg	113P6

Plastilin (Plasticine Clay)

Material
- putty-like modelling material
- colour: white-grey

Application
- particularly suitable for tight sealing during the lamination process of locking systems

Characteristics
- non-poisonous

Content	Item-No.
500 g	113P7

Multipurpose Grease

Material
- High performance grease

Application
- particularly suitable for insulation of metal parts, joints and bars during resin works

Characteristics
- water resistant
- acid free
- range of application from -30 °C to +120 °C

Content	Item-No.
1,0 kg	60C50

Laminating Technology – Laminating accessories

Abb. ähnlich

Special Lubricant

Material
- Molycote-Paste DX
- colour: white

Application
- particularly suitable for lubricating accessible gear wheels, joint axles and ball bearings

Characteristics
- soft

Content	PU	Item-No.
50 g	1 tube	112P37/50

Sealing Grease

Material
- stick wax
- Colour: yellowish

Application
- particularly suitable for tight sealing during the lamination process of locking systems

Characteristics
- sticky
- highly temperature resistant

Content	Item-No.
5 ml	22A100

Silicone spray

Material
- Aerosol on silicone oil base

Application
- particularly suitable as a separating agent for insulation

Characteristics
- colourless
- fine atomisation
- leaves a gliding film
- maintains and lubricates

Content	Item-No.
400 ml	116P11

Laminating Technology – Laminating accessories

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

High Performance Maintenance Spray

Material
- silicone-free, organic maintenance oil

Application
- particularly suitable for movable components

Characteristics
- dissolves, cleans and lubricates
- suppresses dampness
- protective against corrosion
- silicone free
- Application range: -70° C to +200 °C

Content	Item-No.
500 ml	117P22

PVC Profile Splints

Material
- Polyvinyl chloride (PVC)
- Colour: dark grey

Application
- Particularly suitable as a core material for customised shaping of profile webs in wet lamination technology

Characteristics
- thermoplastic mouldable
- grindable without leaving a smear
- pressure-resistant

PU = set of 3 pcs

L x W x Thickness	Item-No.
1000 x 16 x 3,0 mm	250P11

Vulkollan Strap

Material
- polyurethane (PUR)

Application
- elastic strap for fixating PVA-lamination bags at the suction tube

Characteristics
- extremely elastic
- tear-resistant

PU = 4 metres per roll

Width	Item-No.
15 mm	119P25

Vulkollan Tying Strap

Material
- polyurethane (PUR)

Application
- for tying and fixation

Characteristics
- including Fastening Button (Item-no. 119P31)

Length x Width	Item-No.
500 x 15 mm	119P30

Additional parts

for Vulkollan ligation tape (119P31)

Description	PU	Item-no.
Fastening button for Vulkollan Tying Strap	1 piece	119P31

Laminating Technology – Laminating accessories

Prepreg Technology – Prepregs
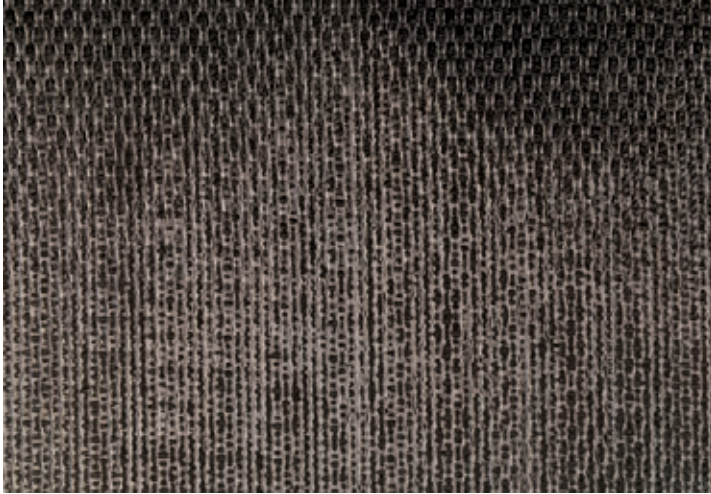
Carbon Fibre Prepreg unidirectional

Material
- unidirectional carbon fibre pre-impregnated with epoxy resin
- crosswise glass fibres for easier draping
- Mass per unit: (DIN 53854): 410 g/m²

Application
- Basic material for the production of e.g. orthoses in frame construction
- for absorbing axial and circular forces

Processing recommendation and storage
- recommended curing time: at 100 °C depending on model 5-8 hours
- Storable at 20 °C: 21 days
- Storable at -18 °C: 360 days

PU = 1 sqm

Width	Item-No.
1000 mm	10C2

Carbon Fibre Prepreg bidirectional

Material
- bidirectional carbon fibre pre-impregnated with epoxy resin
- Twill weave: 4:4
- Mass per unit (DIN 53854): 280 g/m²

Application
- as reinforcing layers to minimise torsional forces
- for thin-walled as well as light and filigree work

Processing recommendation and storage
- recommended curing time: at 100 °C depending on model 5-8 hours
- Storable at 20 °C: 21 days
- Storable at -18 °C: 360 days

PU = 1.25 sqm

Width	Item-No.
1250 mm	11C2

Prepreg Technology – Prepregs

Prepreg Cord

Material
- PET-cord, coated with bi-directional Prepreg 200 g/m²

Application
- for edge design and reinforcement of Prepreg laminates

Processing recommendation and storage
- recommended curing time: at 100 °C depending on model 5-8 hours
- Storable at 20 °C: 21 days
- Storable at -18 °C: 360 days

PU = 5 m

Diameter	Item-No.
approx. 1,0 mm	150C 1/1
approx. 3,0 mm	150C 1/3

Aramid Fibre Prepreg

Material
- Bidirectional aramid fibre pre-impregnated with epoxy resin
- Twill weave 2:2
- mass per unit (DIN 53854): 170 g/m²

Application
- for securing sandals, lugs and bars against breakage

Processing recommendation and storage
- recommended curing time: at 100 °C depending on model 5-8 hours
- Storable at 20 °C: 21 days
- storable at -18 °C: 360 days

PU = 1.2 sqm

Width	Item-No.
1200 mm	12C2

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Prepreg Technology – Prepregs

Fibreglass Prepreg

Material
- Bi-directional glass fibre Vapour-deposited on one side with aluminium, pre-impregnated with epoxy resin
- Twill weave 2:2
- Mass per unit (DIN 53854): 290 g/m²

Application
- Design or decolouration

Processing recommendation and storage
- recommended curing time: at 100 °C depending on model 5-8 hours
- Storable at 20 °C: 21 days
- storable at -18 °C: 360 days

PU = 1 sqm

Width	Item-No.
1000 mm	13C2
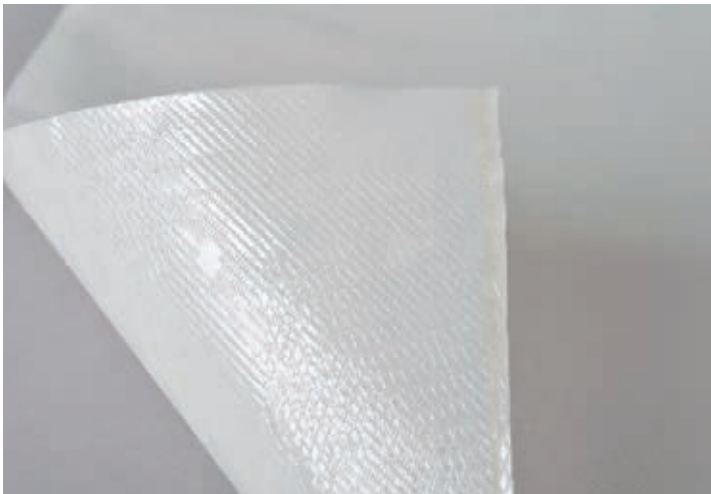
Dyneema Prepreg

Material
- bidirectional polyethylene fibre pre-impregnated with epoxy resin
- Twill weave 2:2
- Mass per unit (DIN 53854): 160 g/m²

Application
- PE-fibre for flexible edge areas and flaps
- do not use for weight bearing constructions

Processing instructions and storage
- recommended curing time: at 100 °C depending on model 5-8 hours
- Storable at 20 °C: 21 days
- Storable at -18 °C: 360 days

PU = 1.25 sqm

Width	Item-No.
1250 mm	14C3

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Prepreg Technology – Prepregs

Honeycomb Fleece Prepreg

Material
- Foamed polyester fibre pre-impregnated with epoxy resin
- Mass per unit (DIN53854): 170 g/m²

Application
- for the creation of profiles in the prepreg compound

Processing recommendation and storage
- recommended curing time: at 100 °C depending on model 5-8 hours
- Storable at 20 °C: 21 days
- Storable at -18 °C: 360 days

PU = 1.25 sqm

Width x Thickness	Item-No.
1250 x 3 mm	110C2

Prepreg Technology – Prepreg accessories

Peeling-Fabric

Material
- Nylon-fabric

Application
- for draping on adhered Prepreg-layers
- will leave a roughened surface after removal
- excessive resin drains off at the side

Characteristics
- temperature resistance: max. 232 °C

PU = 1.5 sqm

Width x Thickness	Item-No.
1500 x 0,02 mm	20C1
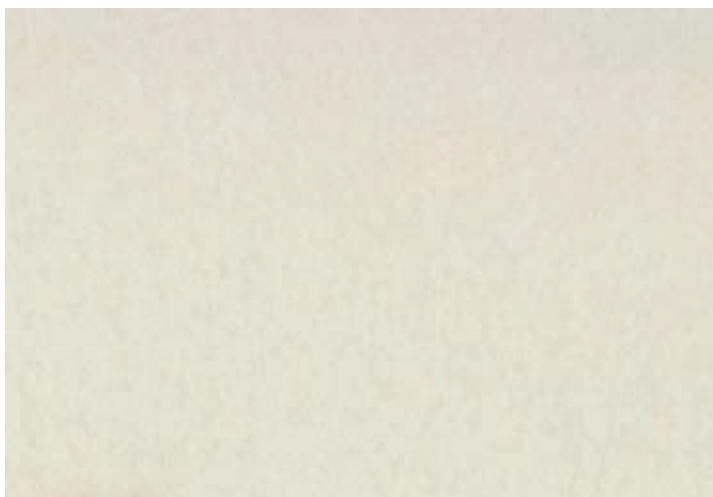
Suction Fleece

Material
- polyester-fleece

Application
- allows the initiation of Vacuum
- suction fleece absorbs excessive resin out of the Prepreg composite

Characteristics
- non-poisonous
- anti-allergic
- temperature resistance: max. 205 °C

PU = 1.5 sqm

Width	Item-No.
1500 mm	40C1

Silicone Sheet

Material
- silicone

Application
- for the design of satin-gloss and smooth surfaces in Prepreg processing
- for creating matt surfaces during prepreg processing (in combination with talcum powder 113P6)

Prepreg Technology – Prepreg accessories

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Characteristics
- stretchable
- re-usable

L x W x Thickness	Item-No.
1000 x 1000 x 0,8 mm	119P7/08

In order to achieve a balanced Vacuum, one layer of nylon stockinette item-no. 95P2/5 should be put between silicone sheet and PVA-foil.

Freeze Spray

Material
- Refrigerant aerosol spray

Application
- suitable for releasing bonded but not yet connected Prepreg material
- due to refrigeration it is possible to dissolving the layers a lot easier

Characteristics
- local freezing of the sprayed area of up to -45 °C can be produced

Content	Item-No.
400 ml	116P14

Caution when handling coldspray; risk freezing injuries to unprotected skin.

Sealing Tape

Material
- Synthetic rubber

Application
- provides for the sealing of air holes when initiating the Vacuum

PU = 1 roll (9.15 m)

Dimensions W x H	Item-no.
13 x 3 mm	60C1

Prepreg Technology – Prepreg accessories

High Performance Sealing Grease

Material
- stick wax
- Colour: yellowish

Application
- for insulation of joints and metal parts which are not supposed to bond with the Prepreg

Characteristics
- sticky
- highly temperature resistant

Content	Item-No.
425 g	1C1

Prepreg Technology – Prepreg accessories

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Silicone Technology – RTV-silicone

AbdoSil.RTV L

Material
- RTV silicone (low Viscosity)
- Colour: blue

Application
- particularly suited for the fabrication of extremely precise impressions, especially in the field of maxillo-facial prosthetics

Set consisting of
- 2 cartridges (silicone + catalyser)
- 12 mixing nozzles

PU = 1 set

Content	Item-no.
per 50 ml	82E4

Use the mixing gun 50 ml (order no. 82E6/50) for squeezing.

AbdoSil.RTV H

Material
- RTV silicone (high Viscosity)
- colour: green

Application
- especially for Maxillo-facial-prosthetics

Set consisting of
- 2 cartridges (silicone + catalyser)
- 12 mixing nozzles

PU = 1 set

IG	Item-no.
per 50 ml	82E5

Use the mixing gun 50 ml (order no. 82E6/50) for squeezing.

PastoSil.RTV

Material
- RTV silicone plasticine
- components A and B
- Colour: caucasian

Application
- Particularly suitable for direct casts on the patient
- particularly suitable for direct casts on patient, for copying of models and for manufacturing of check prostheses

Silicone Technology – RTV-silicone

Characteristics
- grindable in hardened condition
- processing time depending on room temperature: 2-5 min

Mixing ratio
- component A : component B 1 : 1

PU = 1 set (2 or 4 tins)

Content	Item-No.
4 x 250 g	81E2/1
2 x 1,0 kg	81E2/2

KonSil.RTV

Material
- liquid RTV silicone
- components A and B

Application
- ideally suited for the production of stump end load absorption cushioning and soft cushioning

Characteristics
- Silicone gel with Very soft properties
- curing time at room temperature approx. 24 hours

Mixing ratio
- component A : component B 1 : 1

PU = 1 set (2 tins)

Content	Item-No.
1,0 kg each	81E27

The hardness of KonSil.RTV can be adjusted by addition of FacialSil.RTV 81E1. To do this, mix both mixed components (KonSil.RTV und FacialSil.RTV) and then adjust to desired shore hardness. A mixing ratio of 50:50 will obtain approx. 12 – 15 shore A.

At room temperature over 22 °C/72 °F, store the silicone in the refrigerator to obtain a longer curing time. The curing time is approx. 45 minutes.

FacialSil.RTV

Material
- liquid RTV silicone
- Components A and B

Application
- ideally suited for the production of Maxillo-Facial prosthetics

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Characteristics
- approx. 35 shore A
- Curing time at room temperature approx. 24 hours

Mixing ratio
- component A : component B 1 : 1

PU = 1 set (2 tins)

Content	Item-No.
1,0 kg each	81E1/2

The hardness of KonSil.RTV can be adjusted by addition of FacialSil.RTV 81E27. To do this, mix both mixed components (KonSil.RTV und FacialSil. RTV) and then adjust to desired shore hardness. A mixing ratio of 50:50 will obtain approx. 12 – 15 shore A.

At room temperature over 22 °C/72 °F, store the silicone in the refrigerator to obtain a longer curing time. The curing time is approx. 45 minutes.

StreifySil.RTV

Material
- liquid RTV silicone
- components A and B

Application
- particularly suited for the production of stump end load absorption cushioning, soft cushioning and liner

Characteristics
- approx. 8 shore A
- High tear resistance
- very soft
- Processing time: 20 min
- Curing time at room temperature approx. 24 hours

Mixing ratio
- component A : component B 1 : 1

PU = 1 set (2 tins)

Content	Item-No.
1,0 kg each	81E26

To achieve a consistency for trowelling, StreifySil.RTV can be thickened with stabilisator 81E28. Add the stabilisator only drop by drop as needed. Please take care that it is mixed well.

 At room temperature over 22 °C/72 °F, store the silicone in the refrigerator to obtain a longer curing time. The curing time is approx. 5 – 10 minutes.

Silicone Technology – RTV-silicone

Additional parts

for StreifySil.RTV (81E26)

Designation	Content	Item-no.
Stabiliser for StreifySil.RTV	100 g	81E28

LinerSil.RTV

Material
- liquid RTV silicone
- components A and B

Application
- ideally suited for the production of individual liners

Characteristics
- approx. 5 shore A
- Processing time 10 – 15 min
- demouldable after approx. 90 minutes

Mixing ratio
- component A : component B 1 : 1

Content	Item-No.
500 g each	81E31/1

LinerSil.RTV slow

Material
- liquid RTV silicone
- components A and B

Application
- ideally suited for the production of individual liners

Characteristics
- approx. 5 shore A
- Processing time 45 – 15 min
- demouldable after approx. 3 hours

Mixing ratio
- component A : component B 1 : 1

Content	Item-No.
1.0 kg each	81E32/2

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

EpiSil.HTV 20

Material
- HTV silicone
- components A and B

Application
- ideally suited for manufacture of liners, compression gloves and other elastic fittings

Characteristics
- approx. 20 Shore A
- rollable
- highly tear-proof after Vulcanisation

Mixing ratio
- component A : component B 1 : 1

PU = 1 set (2 tins)

Content	Item-No.
1,0 kg each	80E11/2
4,8 kg each	80E11/9,6
6,8 kg each	80E11/13,6

EpiSil.HTV, 35 Shore A

Material
- HTV silicone
- components A and B

Application
- ideally suited for manufacture of forefoot prostheses, finger- and partial hand epitheses as well as cosmetic covers

Characteristics
- approx. 35 shore A
- rollable
- highly tear-proof after Vulcanisation

Mixing ratio
- component A : component B 1 : 1

PU = 1 set (2 tins)

Content	Item-No.
500 g each	80E21/1
1,0 kg each	80E21/2
4,8 kg each	80E21/9,6
6,8 kg each	80E21/13,6

Silicone Technology – HTV-silicone

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

EpiSil.HTV 65

Material
- HTV silicone
- components A and B

Application
- ideally suited for manufacture of supporting scar treatments, reinforcements and orthoses

Characteristics
- approx. 65 Shore A
- rollable
- highly tear-proof after Vulcanisation

Mixing ratio
- component A : component B 1 : 1

PU = 1 set (2 tins)

Content	Item-No.
1,0 kg each	80E31/2
4,8 kg each	80E31/9,6
6,8 kg each	80E31/13,6

MonoSil.HTV

Material
- HTV silicone
- 1 component

Application
- ideally suited for manufacturing of individual orthoses and prostheses

Characteristics
- approx. 35, 55 and 70 shore A
- rollable
- suitable for colouring
- highly tear-proof after Vulcanisation

Content	Version	Item-No.
2,0 kg	35 shore A	80E10/2
2,0 kg	55 shore A	80E20/2
2,0 kg	70 shore A	80E30/2

Insulate porous plaster cast models with Sealer/Liquid Wax 84E9. By doing this, it will be easier to remove the silicone after hardening from the plaster cast model.

Silicone Technology – Silicone accessories

Abb. ähnlich

Pacolor

Material
- highly efficient colour pigments

Application
- for opaque colouring of transparent silicones

Characteristics
- pasty
- temperature resistant
- intensive colour
- lightfast

Content	Colour	Item-no.
50 g	caucasian	44E10
50 g	white	44E11
50 g	red	44E12
50 g	yellow	44E13
50 g	blue	44E14
50 g	black	40E15
50 g	red-brown	44E16
50 g	orange	44E17
50 g	magenta	44E18
50 g	green	44E19

Abb. ähnlich

Facolor

Material
- viscose fibre

Application
- ideally suited for plastic colouring of transparent silicones

Characteristics
- temperature resistant
- intensive colour
- lightfast

Content	Colour	Item-no.
75 g	white	45E11
75 g	red	45E12
75 g	yellow	45E13
75 g	blue	45E14
75 g	black	45E15
75 g	dark red	45E16
75 g	dark brown	45E17
75 g	pale pink	45E18

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Silicone Technology – Silicone accessories

75 g	green	45E19
75 g	light brown	45E20
75 g	yolk-yellow	45E21
75 g	violet	45E22
75 g	orange	45E23

Sealer/Liquid Wax

Material
• mixture of C7 – C10 isoalkanes and isopropyl alcohol

Application
• particularly suited for insulating plaster models against silicone

Characteristics
• liquid
• spreadable
• quick-drying

Content	Item-No.
2.72 kg	84E9

Please use your personal protection gear when handling sealer / liquid wax.

Abdoform Releasing Agent

Material
• wax in solvent

Application
• ideally suited as a releasing agent for mould making
• recommended to insulate models

Characteristics
• transparent
• quick-drying
• leaves a matte wax film

Content	Item-No.
750 g	84E6

Please use your PPE when working with Abdoform Releasing Agent.

Silicone Technology – Silicone accessories

Silicone Base Coat/Primer

Material
- naphtha-based adhesive-agent for silicones

Application
- for surface treatment between silicone and other materials

Content	Item-No.
50 ml	83E3

Please use your personal protective equipment (PPE) when handling silicone base coat/primer.

Heptan

Material
- n-heptane (99 %)

Application
- detergent and solvent for silicones
- ideally suited for surface loosening of unvulcanised EpiSil.HTV

Characteristics
- crystal clear
- liquid
- easily flammable
- hazardous to water

Content	Item-No.
250 ml	83E4

Please use your personal protective equipment (PPE) when handling heptan.

Loctite Silicone Glue Set

Application
- ideally suited for strong and Very tight bondings of silicones and other elastomers

Set consisting of
- 1 x Loctite 7063 Quick Cleaner, 400 ml (order no. 118P41)
- 1 x Loctite 770 Primer, 10 g (order no. 118P45)
- 1 x Loctite 406 instant adhesive, 20 g (order no. 118P44)

PU = 1 set

	Item-No.
	81E20

Please use your personal protection equipment (PPE) when handling loctite silicone glue set.

Silicone Technology – Silicone accessories

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Silicone oil

Material
- Silicon-based oil

Application
- particularly suited for reducing the Viscosity of unvulcanised silicones and silicones with Vulcanised shore hardness

Characteristics
- crystal clear
- kinematic Viscosity: approx. 1000 cSt

Content	Item-No.
500 ml	83E2/0,5

Cleardur

Material
- Acrylic powder

Application
- particularly suited for the production of fingernails and toenails
- only use in combination with Monodur (order no. 81E25)

Characteristics
- transparent

PU = 1 bottle

Content	Item-No.
75 g	81E24

Additional parts
for Cleardur (81E24)

Designation	Content	Item-no.
Monodur	50 ml	81E25

Silicone Technology – Silicone accessories

Silicone Tube

Material
- silicone

Application
- particularly suited for the manufacture of fingernails

Characteristics
- Outer diameter: 1 mm
- inner diameter: 0.4 mm

Length	Item-No.
0,5 m	81E12

Silicone Technology – Silicone accessories

90C4/50

90C4/220

+PLUSeries® Composite 1 minute adhesive

Material
- Two-component urethane-based adhesive
- Colour: black

Application
- particularly suited for the construction and repair of composite shafts
- particularly suited for use with carbon components

Characteristics
- very strong
- builds up, becomes part of the construction
- resistant to high temperatures, moisture, most solvents and chemicals
- including 2 mixing nozzles
- Processing time: approx. 1 min.

Content	Item-no.
50 ml	90C4/50
215 ml	90C4/220

Use the mixing gun 50 ml (order no. 82E6/50) or 220 ml (order no. 90C6/220) to squeeze out the product

90C5/50

90C5/220

Spare parts

for +PLUSeries® Composite 1 Minute Adhesive (item no. 90C4)

Application
- functions as a Vacuum Valve until the next use
- has a mixing function for the perfect combination of the two components
- single-use item

Size	Item-no.
for 50 ml	90C5/50
for 215 ml	90C5/220

Adhesive technology – Adhesives

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

RTV Silicone Adhesive

Material
- One-component silicone-based adhesive (RTV silicone)
- colour: transparent

Application
- particularly suited for bonding fabric laminations to liners and for sealing

Characteristics
- heat-resistant
- flexible at low temperature
- electrically insulating

Content	Item-no.
340 g	81E29

Use the cartridge gun (order no. 81E29/E1) to squeeze out the material

Additional parts

for RTV Silicone Adhesive (81E29)

Designation	Content	Item-no.
Liquid silicone thinner, transparent	1 litre	81E30

Listra Fix Adhesive

Material
- Neoprene contact glue containing polychloroprene
- Streifeneder brand
- colour: transparent

Application
- bonds all common materials
- specially designed for bonding on shoes and for industrial use

Characteristics
- toluene-free
- high chemical and heat resistance
- Setting time: 6 – 40 minutes
- drying time: 6 minutes

Content	PU	Item-No.
850 g	1 tin	118P12/1
4,0 kg	1 can	118P12/4
10,0 kg	1 can	118P12/10

particularly suited for bonding light-coloured or transparent materials. Dilute with quick adhesive thinner (order no. 116P10).

Adhesive technology – Adhesives

„Ortec" Glue

Material
- Neoprene contact glue containing polychloroprene
- colour: transparent

Application
- bonds all materials also PP and PE, except soft-PVC
- specially designed for flexible bonding in orthopaedic technology

Characteristics
- toluene-free
- phenol-free
- Setting time: 10 – 60 minutes
- Drying time: approx. 5 minutes

Content	PU	Item-No.
850 g	1 tin	118P18/1
4,0 kg	1 can	118P18/4

Particularly suitable for people suffering from allergies. Particularly suitable for people suffering from allergies. Dilute with quick adhesive thinner (order no. 116P10).

„Vulkofest-96" Adhesive

Material
- Neoprene contact glue containing polychloroprene
- Colour: yellowish

Application
- bonds all materials also PP and PE, except soft-PVC
- specially adapted for bonding on shoes and for technical rubber articles

Characteristics
- toluene-free
- phenol-free
- Setting time: 15 – 120 minutes
- Drying time: approx. 15 minutes

Content	PU	Item-No.
4,0 kg	1 can	118P10

Particularly suitable for people suffering from allergies. Particularly suitable for people suffering from allergies. Dilute with quick adhesive thinner (order no. 116P10).

Adhesive technology – Adhesives

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

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Forming Technology

Small parts

Textiles

Insole Technology

Forte Rapid Adhesive

Material
- Neoprene contact glue containing polychloroprene
- Colour: yellowish

Application
- bonds all materials also PP and PE, except soft-PVC
- specially designed for bonding on shoes for fast service
- optimally suitable for bonding of soft sockets

Characteristics
- toluene-free
- high chemical and heat resistance
- Waiting time: approx. 5 – 20 minutes
- Drying time: approx. 5 minutes

Content	PU	Item-No.
850 g	1 tin	118P13/1
10,0 kg	1 can	118P13/10

Thinning with quick adhesive thinner (order no. 116P10).

Listra Top Adhesive

Material
- Neoprene contact glue containing polychloroprene
- Streifeneder brand
- colour: transparent

Application
- bonds all common materials
- specially designed for bonding in industry and trade
- optimally suitable for bonding of soft sockets

Characteristics
- toluene-free
- High heat resistance
- Setting time: approx. 7-40 minutes
- Drying time: approx. 7 minutes

Content	PU	Item-No.
850 g	1 tin	118P17/1
4,0 kg	1 can	118P17/4

Thinning with quick adhesive thinner (order no. 116P10).

Adhesive technology – Adhesives

Syntic-Total Adhesive

Material
- polyurethane contact glue
- Colour: transparent

Application
- bonds all common materials, especially soft PVC, TR, Perbunan soles, etc.
- specially designed for bonding on shoes

Characteristics
- toluene-free
- Setting time: approx. 5 – 30 minutes
- Drying time: approx. 5 minutes

Content	PU	Item-No.
90 g	1 tube	118P11/T
850 g	1 tin	118P11/1
4,0 kg	1 can	118P11/4

Dilute with R&L solvent (order no. 116P2).

Colle de Cologne Adhesive

Material
- Neoprene contact glue containing polychloroprene
- Colour: yellowish

Application
- bonds all common materials
- Specially designed for bonding on shoes and for foamed neoprene and latex

Characteristics
- toluene-free
- High heat resistance
- Setting time: approx. 5 – 30 minutes
- Drying time: approx. 5 minutes

Content	PU	Item-No.
850 g	1 tin	118P14/1
4,0 kg	1 can	118P14/4

Dilute with quick adhesive thinner (order no. 116P10).

Adhesive technology – Adhesives

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Pattex Power Adhesive

Material
- Neoprene contact glue containing polychloroprene
- Colour: yellowish

Application
- bonds all materials glass, PE, PP, soft PVC, polystyrene and PTFE

Characteristics
- toluene-free
- High heat resistance
- Setting time: approx. 10-15 minutes
- Drying time: approx. 10 minutes

Content	PU	Item-No.
650 g	1 tin	118P9/1
4,5 kg	1 can	118P9/5

Additional parts

for Pattex power adhesive (118P9)

Designation	Content	Item-no.
Special thinner for thinning and dissolving Pattex adhesives	5.0 l	116P4/5

Too much thinner will negatively effect the bonding result.

Rubber Solution

Material
- special glue, based on natural rubber
- colour: transparent

Application
- suitable for all leather sewing work
- specially designed for work on shoes as well as for leather clothing, textiles and sponges

Characteristics
- toluene-free
- no sticking of the sewing needle or closing of the thread channel
- good spreadability
- Waiting time: approx. 5 – 20 minutes
- Drying time: approx. 5 minutes

Content	Item-No.
580 g	118P1

Dilute with Quick Adhesive Thinner (order no. 116P10) or deSohl Sole Remover (order no. 116P20).

Adhesive technology – Adhesives

Edelkitt multi purpose glue

Material
- adhesive on nitrocellulose- and synthetic resin base
- colour: transparent

Application
- suitable for all leather works
- specially designed for leather bonding on shoes and for straps
- suitable as lacquer for plaster cast moulds

Characteristics
- toluene-free
- very heat- and oil resistant
- high flexibility of the adhesive film avoids pre-mature embrittlement and aging of the bond
- Setting time: 2-5 minutes
- Drying time: 2 minutes

Content	PU	Item-No.
850 g	1 tin	118P25/1
4,0 kg	1 can	118P25/5

For dissolving Edelkitt glue/Celluloid glue, use the R + L solvent on acetone base, item-no. 116P2.

Spray-On Adhesive

Material
- aerosol glue

Application
- for bonding Various materials over a wide area, also polystyrene
- particularly suitable for bonding porous materials such as rigid foam and leather

Characteristics
- good emptying characteristics
- adjustable spray head, horizontal to Vertical
- Spray pattern: streaks, coarse spray mist
- Setting time: 5-15 min
- Bonding time: 5-30 min

Content	Item-No.
500 ml	118P28

Adhesive technology – Adhesives

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Spray-On Adhesive „Special"

Material
- Aerosol adhesive based on synthetic elastomers

Application
- for fast bonding of Various materials, also polystyrene
- particularly suitable for reinforcing work with carbon or glass fibres

Characteristics
- good emptying characteristics
- adjustable spray head, horizontal to Vertical
- Spray pattern: streaks, Very fine spray mist
- Airing time: 15 sec – 1 min
- Bonding span: one-sided: 15 sec – 15 min, both sides: 30 sec – 30 min

Content	Item-No.
500 ml	118P38

Super Glue

Material
- cyanoacrylate instant adhesive
- Colour: clear

Application
- particularly well suited for good bonding between metals and elastomers as well as many other materials

Characteristics
- thin liquid
- quick-drying

Content	Item-No.
20 g	118P29

Please store the super glue bottle upright.

Super Glue / Atomic Glue, elastic

Material
- cyanoacrylate instant adhesive
- Colour: clear

Application
- particularly suited for semi-elastic bonding of elastomers and laminates

Characteristics
- jelly-like
- quick-drying

Content	Item-No.
20 g	118P31

Please store the super glue bottle upright.

UHU-Plus Adhesive 300

Material
- two-component adhesive, based on epoxy resin
- Colour: honey

Application
- for strong bondings between Various materials except PE and PP

Characteristics
- Set consists of 2 tubes binder and hardener)
- working time (open time) approx. 120 min.
- final strength after approx. 12 – 24 hours

PU = 1 set

Contents (binder & hardener)	Item-no.
18 + 15 g	118P32

Sealing Resin Compact Glue

Material
- compact acrylic-resin glue
- colourless

Application
- for firm bonding of acrylic-resin laminates

Characteristics
- colourless
- jelly-like
- cures with addition of 1-3 % hardener powder, item-no. 112P33 or hardener paste, item-no. 112P17

Content	Item-No.
1,0 kg	112P38

Sealing-resin compact glue can be tinted with our colouring pastes item-no. 112P36.

Adhesive technology – Adhesives

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Loctite 241

Material
- Methacrylate-based screw lock
- Colour: blue

Application
- ideally suited for medium-strength connections with small threads (up to M12)

Characteristics
- liquid
- medium strength
- low Viscosity

Content	Item-No.
50 ml	118P35

Loctite 601

Material
- Dimethacrylate ester-based bonding adhesive
- colour: green

Application
- ideally suited for permanent, high-strength connections with a bonding gap of max. 0.1 mm

Characteristics
- liquid
- high-strength
- low Viscosity
- average curing speed

Content	Item-No.
50 ml	118P36

Loctite 245

Material
- Methacrylate-based screw lock
- Colour: blue

Application
- ideally suited for medium-strength connections with large threads (up to M80)

Characteristics
- liquid
- medium strength
- medium Viscosity

Content	Item-No.
50 ml	118P37

Loctite 406, Rapid Glue

Material
- cyanoacrylate instant adhesive
- colour: transparent

Application
- ideally suited for strong and fast bonding between silicones and other elastomers

Characteristics
- liquid
- quick-drying
- low Viscosity

Content	Item-No.
20 g	118P44

Facialglue

Material
- solvent based silicone skin bond
- Colour: clear

Application
- ideally suited for attaching epitheses and prostheses to the skin

Characteristics
- liquid

Content	Item-No.
20 ml	81E14

Adhesive technology – Adhesive accessories

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Mixing Gun 50 ml

Application
- for AbdoSil.RTV L (item no. 82E4), AbdoSil.RTV H (item no. 82E5) and +PLUSeries® Composite 1 Minute Adhesive (item no. 90C4/50)

	Item-No.
	82E6/50

Mixing gun, 215 ml

Application
- for +PLUSeries® Composite 1 Minute Adhesive (item no. 90C4/220)

Size	Item-no.
for 220 ml	90C6/220

Cartridge Gun

Application
- for RTV silicone adhesive (item no. 81E29)

	Item-No.
	81E29/E1

R + L Solvent

Material
- acetone-solvent
- colourless

Application
- cleaners and solvents
- dilution for Syntic-Total item-no. 118P11 and Edelkitt glue/ Celluloid glue item-no. 118P25

Characteristics
- sharp odour
- chemically pure

Content	PU	Item-No.
1,0 l	1 bottle	116P2/1
5,0 l	1 can	116P2/5

When using R + L solvent, please always wear safety gloves item-no. 12P8 and also personal protective equipment (PPE), such as protective goggles and protective clothing.

Thinner for Rapid Glue

Material
- Mixture of solvents
- colourless

Application
- thinner for rubber solution item-no. 118P1, Vulkofest-96 adhesive item-no. 118P10, Listra Fix adhesive item-no. 118P12, Forte Rapid adhesive item-no. 118P13, Colle de Cologne adhesive item-no. 118P14, Listra Top quick adhesive (order no. 118P17) ,"Ortec" glue item-no. 118P18

Characteristics
- toluene-free

Content	PU	Item-No.
1,0 l	1 tin	116P10/1
5,0 l	1 can	116P10/5

When using Thinner for Rapid Glue, please always wear safety gloves item-no. 12P8 and also personal protective equipment (PPE), such as protective goggles and protective clothing.

„deSohl"-Soluble

Material
- Mixture of solvents
- colourless

Application
- Thinner for rubber solution (order no. 118P1)
- ideally suited for cleaning leather and removing shoe soles

Characteristics
- CFC free

Content	PU	Item-No.
1,0 l	1 tin	116P20/1
5,0 l	1 can	116P20/5

When using „deSohl"-Soluble, please always wear safety gloves item-no. 12P8 and also personal protective equipment (PPE), such as protective goggles and protective clothing.

Adhesive technology – Adhesive accessories

Rehagol-Halogenate

Material
- Primer based on an organic compound containing chlorine
- colourless

Application
- ideal for use with Syntic Total universal adhesive (item no. 118P11) and Colle de Cologne universal adhesive (item no. 118P14)
- ideally suited for pre-treating TR materials and latex for better bonding

Characteristics
- Curing time: 0 – 60 minutes (depending on system)

Content	Item-No.
100 ml	118P22

The Rehagol primer is not to be applied with a metal brush.

Hardener for adhesives

Material
- Isocyanate-based crosslinker
- colourless

Application
- Optimally suited for cross-linking Vulkofest 96 quick adhesive (item no. 118P10), Syntic Total universal adhesive (item no. 118P11) and Colle de Cologne universal adhesive (item no. 118P14)

Characteristics
- Improves adhesive properties as well as heat and chemical resistance
- shortens the curing time by 30-50 % depending on the adhesive type

Content	Item-No.
100 ml	118P23

Add 5-10 % by Volume or 4-8 % by weight to the adhesive immediately before processing and stir in thoroughly.

Adhesive technology – Adhesive accessories

Loctite 7063, Quick Cleaner

Material
- Solvent-based surface cleaner
- colourless

Application
- particularly suited for degreasing and cleaning surfaces that are to be bonded

Characteristics
- FCKW-free

Content	Item-No.
400 ml	118P41

Loctite 770, Primer

Material
- Solvent-based adhesion promoter
- colourless

Application
- ideally suited to enable or improve the adhesion of Loctite 406 instant adhesive to materials that are difficult to bond (e.g. PE, PP, PTFE etc.)

Characteristics
- liquid
- fluorescent under UV light

Content	Item-No.
10 g	118P45

Adhesive technology – Adhesive accessories

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology
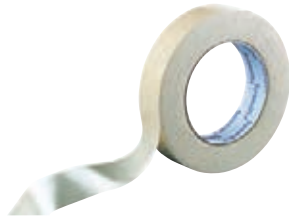
Masking Tape

Material
- special creped paper with adhesive coating
- colour: white

Application
- versatile use, e.g. for masking during painting work

Characteristics
- adhesive on one side
- can be removed without leaving any residue (temporary fixation)
- can be labelled

PU = 50 metres per roll

Width	Item-No.
25 mm	119P6
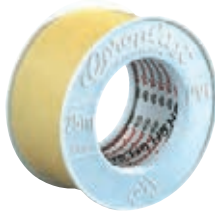
Coroplast Adhesive Tape

Material
- Soft PVC film with adhesive coating
- colour: transparent

Application
- versatile use (e.g. for sealing damaged PVC-foil)

Characteristics
- adhesive on one side
- supple
- elastic
- high adhesion power

Width	PU	Item-no.
38 mm	Roll 25m each	119P12
50 mm	Roll 10m each	119P12/50
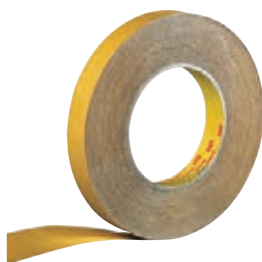
PVC Adhesive Tape, doublesided

Material
- PVC film with adhesive coating on both sides
- colour: transparent

Application
- versatile use, e.g. for bonding PVC films or for fixing reinforcement materials

Characteristics
- adhesive on both sides
- very good adhesion power
- is incorporated into the laminate during processing

PU = 50 metres per roll

Width	Item-No.
6 mm	119P13/6
19 mm	119P13

Linen Adhesive Tape

Material
- Linen fabric with adhesive coating
- colour: white

Application
- versatile use, e.g. for fitting situations

Characteristics
- adhesive on one side
- tear and tension resistant

PU = 50 metres per roll

Width	Item-No.
19 mm	119P14/19
25 mm	119P14/25
50 mm	119P14

Adhesive Tape, double-sided

Material
- fabric-reinforced, double-sided adhesive tape
- Colour: white/transparent

Application
- versatile use, e.g. for trial fixation of pads

Characteristics
- adhesive on both sides
- high adhesion power
- sticks on nearly all surfaces

PU = Roll 25m each

Width	Item-No.
60 mm	119P15

Adhesive technology – Adhesive tapes

Plastic Tying Tape

Material
- adhesive tape with perlon thread reinforcement
- Colour: white/transparent

Application
- versatile use, e.g. for securing and reinforcing denture sockets

Characteristics
- adhesive on one side
- Extremely tear and tension resistant

PU = 50 metres per roll

Width	Item-No.
19 mm	119P16

Foamed Layer Adhesive Tape

Material
- Foam with adhesive coating
- Colour: black

Application
- versatile use, e.g. for sealing and insulating in thermoforming and laminating work

Characteristics
- adhesive on one side
- very good adhesion power

PU = 10 metres per roll

Width x strength	Item-no.
19 mm x 4 mm	119P17/19
25 mm x 4 mm	119P17/25
50 mm x 4 mm	119P17/50

PE adhesive tape

Material
- PE film with adhesive coating
- colour: transparent

Application
- versatile use (e.g. for sealing damaged PVC-foil)

Characteristics
- adhesive on one side
- non dissoluble
- good adhesion power

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

PU = 50 metres per roll

Width	Item-No.
25 mm	119P20
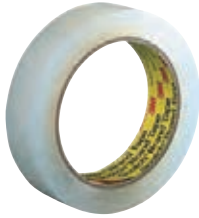
PE-Adhesive Tape „3M"

Material
- PE film with adhesive coating
- colour: transparent

Application
- versatile use (e.g. for sealing damaged PVC-foil)

Characteristics
- adhesive on one side
- non dissoluble
- good adhesion power

PU = 33 metres per roll

Width	Item-No.
25 mm	119P21

Adhesive technology – Coatings

Lamellar Shellac

Material
- resin insect secretion of Kerria Lacca
- natural product

Application
- suitable for lacquering and impregnating of leather

Characteristics
- solves well in ethyl alcohol (spirit)
- UV-resistant
- provides high-gloss surfaces

Content	Item-No.
500 g	117P1

Depending on mixture and concentration, lighter and darker leather lacquers can be produced.

Acrylic Lacquer Spray

Material
- coloured acrylic lacquer spray

Application
- suitable for retroactive colorisation and Varnishing of prosthetic sockets and evening-ups of cosmetics

Characteristics
- high opacity
- suitable for Various materials
- quick-drying

Content	Colour	Item-no.
400 ml	caucasian	117P7
500 ml	clear/shiny	117P8

Adhesive technology – Coatings

Celluloid shavings

Material
- Crushed celluloid (cellulose nitrate and camphor)

Application
- ideally suited for manufacturing of celluloid lacquer (plaster-insulating lacquer)

Characteristics
- to dissolve use R + L solvent item-no. 116P2

Content	Item-No.
1,0 kg	118P8A

Depending on mixture and concentration, thicker or thinner lacquers can be produced.

Sintering Powder „Orthosint"

Material
- polyethylene (PE)
- Colour: beige

Application
- ideally suited for synthetic coatings in fluidised bed sintering processes for aluminium insoles and soles

Characteristics
- Heating temperature of the metal parts: approx. 180-220 °C (depending on material thickness)

Content	Item-No.
5,0 kg	112P30/H

Adhesive technology – Coatings

Synthetics

Cushioning
Materials

Laminating
Technology

Prepreg
Technology

Silicone
Technology

Adhesive
technology

Forming
Technology

Small parts

Textiles

Insole
Technology

Forming Technology – Plaster

Stucco

Material
- calcium sulfate semi-hydrate

Application
- universal applications
- for pouring out negative plaster moulds

Characteristics
- quick hardening

Content	Item-No.
25,0 kg	112P42/25
40,0 kg	112P42/40

If the stucco plaster is mixed with warm water, hardening will be faster; cold water will delay the hardening process. If lots of plaster is used with little water, a sturdy and hard plaster model will be created. If more water is used, the hardened plaster will be softer and therefore easier for modelling. The optimal temperature for drying plaster cast models is between 50-55 °C.

Casting Plaster „Alabaster"

Material
- calcium sulfate semi-hydrate
- finely ground

Application
- suitable for all modeling tasks

Characteristics
- high strength
- high degree of whiteness and pureness

Content	Item-No.
25,0 kg	112P43/25
40,0 kg	112P43/40

If the casting plaster is mixed with warm water, hardening will be faster; cold water will delay the hardening process. If lots of plaster is used with little water, a sturdy and hard plaster model will be created. If more water is used, the hardened plaster will be softer and therefore easier for modeling. The optimal temperature for drying plaster cast models is between 50-55 °C.

Forming Technology – Plaster

Moulding Plaster, porous

Material
• calcium-sulfate

Application
• ideally suited for direct contact between silicone and plaster

Characteristics
• hard
• low bubble development

Mixing ratio
• 1 part water : 1,5 parts plaster item-no. 5E1

Content	Item-No.
25,0 kg	5E1

Moulding Plaster, synthetic

Material
• calcium-sulfate modification

Application
• ideally suited for detailed copy from a negative and for mould construction

Characteristics
• very hard
• low expansion

Mixing ratio
• 1 part water : 3 parts special plaster item-no. 5E2

Content	Item-No.
25,0 kg	5E2

Cellona Plaster Bandage

Material
• fixated plaster bandage
• 17-threaded woven cotton gauze
• calcium sulfate semi-hydrate plaster coated

Application
• particularly suited for making plaster casts of all kinds

Characteristics
• moisturise quickly and evenly with a short immersion time
• the finished dressing is resilient early on and safe for transport after 30 minutes
• Curing time: approx. 24 hours.

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Forming Technology – Plaster

PU = 10 pieces in a box

Length x Width	Item-No.
2 m x 80 mm	99P4/8
2 m x 100 mm	99P4/10
2 m x 120 mm	99P4/12
2 m x 150 mm	99P4/15
2 m x 200 mm	99P4/20
3 m x 80 mm	99P5/8
3 m x 100 mm	99P5/10
3 m x 120 mm	99P5/12
3 m x 150 mm	99P5/15
3 m x 200 mm	99P5/20
4 m x 80 mm	99P6/8
4 m x 100 mm	99P6/10
4 m x 120 mm	99P6/12
4 m x 150 mm	99P6/15
4 m x 200 mm	99P6/20

Cellona Longuette

Material
- 4-fold plaster bandage
- woven cotton gauze
- calcium sulfate semi-hydrate plaster coated

Application
- ideally suited for manufacturing of all kinds of fixating plaster casts and splints

Characteristics
- moisturise quickly and evenly with a short immersion time
- the finished dressing is resilient early on and safe for transport after 30 minutes
- completely cured after 24 hours

PU = 1 piece in dispenser box

Dimensions L x W	Item-no.
20 m x 200 mm	99P7/20

Forming Technology – Plaster

Cellona Bandage Off-Cuts

Material
- woven cotton gauze
- calcium sulfate semi-hydrate plaster coated

Application
- to seal and to reinforce plaster casts and for preparing measures
- for casting plaster casts

Characteristics
- moisturise quickly and evenly with a short immersion time
- the finished dressing is resilient early on and safe for transport after 30 minutes
- completely cured after 24 hours

PU = 5 kg in a box

	Item-no.
	99P8

Forming Technology – Plaster accessories

Drying hose

Material
- Rubber
- Colour: black

Application
- air-permeable hose for drying plaster models

Diameter	Item-no.
18 mm	99P23

Close the end of the hose and tape it to the metal rod when pouring out the plaster model. After hardening at the end of the hose, drain the model with compressed air.
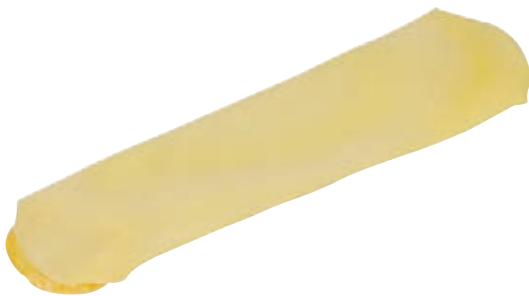
Latex Insulating Bag

Material
- natural rubber

Application
- for insulation of damp plaster moulds for Prepreg processes and the making of plaster casts

Characteristics
- extremely elastic and sturdy

PU = 1 pc.

Dimensions W x L	Size	Item-no.
40 x 170 mm	small	119P2/S
75 x 200 mm	medium	119P2/M
100 x 275 mm	large	119P2/L

Indelible Pencil

Material
- document indelible pencil
- Colour: blue

Application
- particularly suited for marking on wet plaster casts and models

Characteristics
- suitable for skin contact
- the refill is protected against breakage by a special gluing process

PU = 12 pieces in a box

	Item-No.
	99P20

Forming Technology – Plaster accessories

Grease Pencil

Material
- waterproof coloured pencil

Application
- particularly suited for marking on wet plaster casts and models

Characteristics
- writes on Very smooth materials (e.g. plastic plates)

PU = 12 pieces in a box

Colour	Item-No.
red	99P21/R
blue	99P21/B

Vermiculite Castfiller

Material
- aluminum-iron-magnesium-silicate
- colour: sand-coloured

Application
- particularly suited as insulating, absorbent and cushioning material for hazardous substances
- filling material to be mixed into plaster

Characteristics
- low weight

Content	Grain size	Item-no.
100 l	1-3 mm	99P60

Perlite Castfiller

Material
- perlite, Volcanic glass
- colour: white to grey-white

Application
- particularly suited as insulating, absorbent and cushioning material for hazardous substances
- filling material to be mixed into plaster

Characteristics
- low weight

Content	Grain size	Item-no.
150 l	0-3 mm	99P65/150

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Forming Technology – Forming materials

STS Socks

Material
- Polyester/polyurethane

Application
- particularly suited for precise moulding of the lower extremity up to the knee

Characteristics
- particularly suited for quick and clean tasks in hospitals and care facilities
- very fast curing time (< 5 minutes)
- very precise moulding results
- smooth surface, therefore ideally suitable for CAD/CAM
- size selection according to shoe size

PU = 10 pieces (airtight packaging incl. protective film)

99P16

99P17

Description	Shoe size	Item-No.
Pediatric AFO Casting Socks	17-20	99P16/S
Pediatric AFO Casting Socks	21-26	99P16/M
Pediatric AFO Casting Socks	27-30	99P16/L
Pediatric AFO Casting Socks	31-37	99P16/XL
Bermuda Socks	38-42	99P17/M
Bermuda Socks	43-45	99P17/L
Bermuda Socks	ab 46	99P17/XL

Please note that the sock length depends on foot- and calf Volume.

Cellacast Xtra

Material
- glass fibre fabric impregnated with polymethane resin

Application
- to secure PETG-check sockets
- for light supporting bandages with high stability

Characteristics
- transverse and diagonal elongation
- bonds Very well with PETG
- hardens completely with water/humidity addition

PU = 10 pieces in a box

Length x Width	Colour	Item-No.
3,6 m x 50 mm	creme	99P40/5
3,6 m x 75 mm	creme	99P40/7,5
3,6 m x 100 mm	creme	99P40/10
3,6 m x 125 mm	creme	99P40/12,5

Forming Technology – Forming materials

3,6 m x 50 mm	blue	99P41/5
3,6 m x 75 mm	blue	99P41/7,5
3,6 m x 100 mm	blue	99P41/10
3,6 m x 125 mm	blue	99P41/12,5
3,6 m x 50 mm	orange	99P42/5
3,6 m x 75 mm	orange	99P42/7,5
3,6 m x 100 mm	orange	99P42/10
3,6 m x 125 mm	orange	99P42/12,5
3,6 m x 50 mm	yellow	99P43/5
3,6 m x 75 mm	yellow	99P43/7,5
3,6 m x 100 mm	yellow	99P43/10
3,6 m x 125 mm	yellow	99P43/12,5
3,6 m x 50 mm	green	99P44/5
3,6 m x 75 mm	green	99P44/7,5
3,6 m x 100 mm	green	99P44/10
3,6 m x 125 mm	green	99P44/12,5

The dressings are breathable, x-ray transparent and water resistant in their cured state.

Duplicating Foam

Material
• Polyurethane duplicating foam

Application
• for duplication of inner shafts

Mixing ratio
• 10 parts duplicating foam: 4 parts hardener for rigid foam item-no. 112P24

Content	Item-No.
1,0 kg	112P32/1

For insulation and to achieve a better impression result, please use our Releasing Agent item-no. 84E6. Thoroughly stir duplicating material in correct mixing ratio and pour it into the insulated prosthetic socket; while tilting the socket so the impression material reaches and covers all inner socket areas. After curing, the impression can be carefully pulled out of the prosthetic socket like a rubber skin. The impression made with duplicating material must be carefully stabilized in a sand box with plaster or similar, in order to prevent the copy losing its dimensional accuracy.

Duplicating Silicone

Material
- liquid RTV silicone
- components A and B
- Colour: blue

Application
- ideally suited for moulding thermoplastic trial and interim sockets as well as cast definitive sockets
- can be used without release agent in thermoplastic sockets

Characteristics
- approx. 65 Shore A
- Processing time 3 – 15 min
- Curing time: approx. 40 hours

Content	Item-no.
500 g each	112P320/1
5 kg each	112P320/10

PU = 1 set (2 tins)

First pour component A (grey) into a cup, then add component B (blue) in the exact mixing ratio and then stir until the mixture has a homogeneous colour.

The product is less harmful to the health of the people who work with it. In concrete terms, this means fewer hazardous substance symbols than with comparable products.

Alginate

Material
- Algae extract
- Colour: yellow

Application
- ideally suited for detailed cast taking of fingers, epitheses, feet and hands

Characteristics
- pleasant smell
- dust-free

Mixing ratio
- 23 g : 50 ml (alginate : cold water)

Content	Item-No.
500 g	1E2

For mixing and application, use the alignat spatula (item no. 50E4).

Forming Technology – Forming materials

Duplicating Gel

Material
- Agar-agar-based

Application
- reusable high quality duplicating compound gel to copy plaster models

Characteristics
- specially hard
- shape retaining
- melting point approx. 90 °C
- curing approx. 30 °C

Content	Item-No.
6,0 kg	84E3

Skin-Care wash lotion

- Washing lotion for cleaning residual limb skin and liners, as well as prostheses, orthoses
- odourless (fragrance-free)
- dermatologically tested
- antibacterial

Inhalt	Item-no.
300 ml	10H2

Cellona Skin Protection Cream

Material
- oil-in-water-emulsion with oil restoring ingredients

Application
- hand protection before, during and after plaster tasks

Characteristics
- protection and skin care for heavily stressed skin due to permanent contact with water and plaster

Content	Item-No.
100 ml	99P15

Plaster Insulating Cream

Material
- based on Vaseline

Application
- for insulation of body areas before taking plaster casts

Characteristics
- colourless
- skin-friendly
- pleasant smell

Content	Item-No.
1,0 kg	113P9

Vaseline

Material
- based on Vaseline

Application
- for skin protection and insulation of casts using Alginate item-no. 1E2

Forming Technology – Patient protection

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Characteristics
- skin-protective
- skin-caring benefits

Content	Item-No.
1,0 kg	119P26

Skin Protection Stockinette Set (AK-Amputation)

Material
- 100 % cotton (CO)

Application
- for insulating AK-amputees before taking plaster casts

Set consisting of 1 skin protection stockinette 1 socket protection stockinette

PU = package with 6 sets

Dimensions W x L (length of leg)	Item-no.
approx. 300 x 160 mm	99P10/1
approx. 300 x 320 mm	99P10/2
approx. 380 x 160 mm	99P10/3
approx. 380 x 320 mm	99P10/4

Body Protection Stockinette

Material
- 95 % cotton and 5 % elasthane
- Colour: natural

Application
- particularly suited for isolating the arms, lower legs and thighs before taking a plaster cast

Characteristics
- especially elastic and supple

PU = 1 roll (25 m)

Width	Item-no.
90 mm	99P12/9
150 mm	99P12/15
200 mm	99P12/20

Forming Technology – Patient protection

ListraFast tubular bandage

Material
- 92 % Viscose, 3 % polyamide and 5 % lycra

Application
- particularly suited for insulating of hip disarticulations before taking plaster casts
- particularly suited to be worn as hygienic stocking in night splints as well as orthotic stocking

Characteristics
- permanent elasticity

PU = 1 roll (10 m)

Width	Description	Colour	Item-no.
37.5 mm	for small limbs	red	99P14/3,75
55 mm	for medium limbs	green	99P14/5,5
85 mm	for large limbs	blue	99P14/8,5
125 mm	for extra-large limbs	yellow	99P14/12,5
185 mm	for torsos	beige	99P14/18,5

Forming Technology – Foot imprinting kit

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Foot Impression Foam, Normal Size

Material
- impression foam box
- foamed FCKW-free

Application
- particularly suited for simple and time-saving foot impressions

Characteristics
- up to shoe size 46

PU = 50 pairs

Foam size L x W x H	Item-No.
310 x 150 x 75 mm	98P1

Foot Imprint Device

Material
- Footprint tool for foot/blue print analysis

Application
- imprinting tool for early detection of foot pressure problems, such as for example flat-, splay-, hollow- or club feet, usable for diabetic or rheumatic foot syndromes
- for diagnostic documentation by specialists in the fields of orthopaedics, podiatry and sports science

includes ink roller, ink, circumference marker, foot imprinting pad (100 sheets)

PU = 1 set

	Item-No.
	98P4
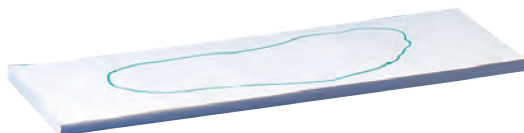
Spare parts

Foot Imprinting Kit

Designation	Size	Item-no.
Foot print sheet (100 sheets)	380 x 165 mm	98P5/G
Foot print sheet (100 sheets)	400 x 140 mm	98P5
Ink (blue)	27 ml	210V41

Forming Technology – Foot imprinting kit

Podotrack

Application
- patented imprinting measurement chart for quick foot pressure analysis
- imprinting measurement chart for early detection of foot pressure problems, such as for example flat-, splay-, hollow- or club feet, usable for diabetic or rheumatic foot syndrome
- for diagnostic documentation by specialists in the fields of orthopaedics, podiatry and sports science

Characteristics
- Simple and hygienic use, transportable and can be used anywhere, for static and dynamic foot pressure analyses

PU = 100 pcs

Dimensions L x W	Item-No.
390 x 160 mm	98P8

Please follow the instruction manual!

Forming Technology – Foot imprinting kit

Synthetics

Cushioning
Materials

Laminating
Technology

Prepreg
Technology

Silicone
Technology

Adhesive
technology

Forming
Technology

Small parts

Textiles

Insole
Technology

Small parts – Brackets and buckles
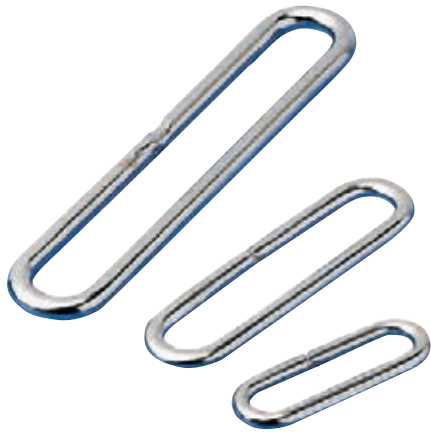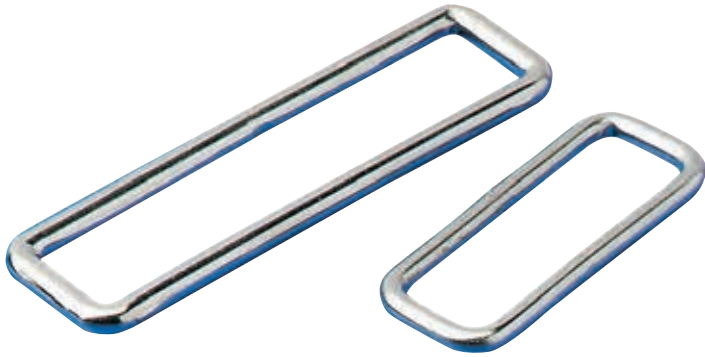
oval

rechteckig

Steel loop

Material
- Nickel-plated steel, welded

Application
- Deflector for belt connections

PU = 20 pcs or 100 pcs

Light width	Version	Wire gauge	Item-no.
18 mm	oval	1.8 mm	42P2/18
20 mm	oval	1.8 mm	42P2/20
25 mm	oval	2.0 mm	42P2/25
30 mm	oval	2.0 mm	42P2/30
35 mm	oval	2.0 mm	42P2/35
45 mm	oval	2.4 mm	42P2/45
50 mm	oval	2.6 mm	42P2/50
20 mm	rectangular	2.0 mm	42P6/20
25 mm	rectangular	2.4 mm	42P6/25
30 mm	rectangular	2.5 mm	42P6/30
35 mm	rectangular	2.5 mm	42P6/35
40 mm	rectangular	3.0 mm	42P6/40
45 mm	rectangular	2.6 mm	42P6/45
50 mm	rectangular	3.0 mm	42P6/50

Steel Loop with Roller, oval

Material
- Nickel-plated steel, welded

Application
- Deflector for belt connections

Characteristics
- oval
- the movable roller reduces the frictional resistance of the webbing when closing

PU = 20 pcs or 100 pcs

Inner width	Wire thickness	Item-No.
30 mm	2,0 mm	42P3/30
35 mm	2,0 mm	42P3/35
45 mm	2,4 mm	42P3/45
50 mm	2,6 mm	42P3/50

Small parts – Brackets and buckles

Steel Loop, half round

Material
- Nickel-plated steel, welded

Application
- Deflection links for narrow laces

PU = 20 pcs or 100 pcs

Diameter	Item-No.
12 mm	42P5/12
22 mm	42P5/22

Single Prong Buckle with Roller

Material
- Nickel-plated steel, welded

Application
- for the production of closures for orthopaedic shoes

PU = 20 pcs or 100 pcs

Diameter	Item-No.
20 mm	40P3/20
22 mm	40P3/22
25 mm	40P3/25
30 mm	40P3/30
40 mm	40P3/40
50 mm	40P3/50

Small parts – Brackets and buckles

Clip Buckle with Loop

Material
- Nickel-free steel with Miralloy-coating

Application
- Garter belt buckle for securing thin and elasticated straps

PU = 20 pcs or 100 pcs

Diameter	Item-No.
20 mm	44P1/20
30 mm	44P2
35 mm	44P3

Clamp buckle with prongs

Material
- nickel-free steel

Application
- for fixing the length adjustment of thin, medium-strength, elastic and non-elastic webbing straps

PU = 20 pcs or 100 pcs

Diameter	Item-No.
23 mm	44P8/23

Small parts – Brackets and buckles

Suspender Clip

Material
- nickel-free steel

Application
- for fixing the length adjustment of suspenders

PU = 50 pcs or 100 pcs

Light width	Item-no.
18 mm	44P12/18

Loop with roll

Material
- Iron nickel-plated

Application
- Deflector for belt connections

Characteristics
- the movable roller reduces the friction resistance of the belt strap during closing

PU = 100 pcs

Light width	Item-No.
25 mm	42P7/25

Plastic Loop

Material
- plastic

Application
- for deflection of belts in two-piece closure systems

Characteristics
- the loop is bent inwards and therefore improves straight guidance of the belt strap in the loop

PU = 20 pcs or 100 pcs

Diameter	Colour	Item-No.
20 mm	natural	42P9/20
25 mm	natural	42P9/25
30 mm	natural	42P9/30
38 mm	natural	42P9/38
50 mm	natural	42P9/50
20 mm	black	42P9/20S

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Small parts – Brackets and buckles

Plastic Loop

Material
- Strap: polypropylene
- Loop: polypropylene (PP), polyamide (PA)

Application
- for deflection of belts in two-piece closure systems

Characteristics
- the loop is bent inwards and therefore improves straight guidance of the belt strap in the loop

PU = 20 pcs or 100 pcs

Diameter	Ø Riveting hole	Colour	Item-No.
25 mm	4 mm	white	43P3/25
25 mm	4 mm	blue	43P3(25B
25 mm	4 mm	red	43P3/25R
25 mm	4 mm	black	43P3/25S
35 mm	4 mm	white	43P3/35
35 mm	4 mm	blue	43P3/35B
35 mm	4 mm	red	43P3/35R
35 mm	4 mm	black	43P3/35S
50 mm	4 mm	white	43P3/50
50 mm	4 mm	blue	43P3/50B
50 mm	4 mm	red	43P3/50R
50 mm	4 mm	black	43P3/50S

Steel Loop

Material
- Strap: polypropylene
- Loop: nickel-plated steel

Application
- for deflection of belts in two-piece closure systems

PU = 20 pcs or 100 pcs

Diameter	Ø Riveting hole	Colour	Item-No.
20 mm	4 mm	white	43P5/20
25 mm	4 mm	white	43P5/25
25 mm	4 mm	blue	43P5/25B
25 mm	4 mm	red	43P5/25R
30 mm	4 mm	white	43P5/30
35 mm	4 mm	white	43P5/35
35 mm	4 mm	blue	43P5/35B
35 mm	4 mm	red	43P5/35R

Small parts – Brackets and buckles

50 mm	4 mm	blue	43P5/50B
50 mm	4 mm	red	43P5/50R
50 mm	4 mm	black	43P5/50S

Metal loop with roller and strap

Material
- Roller and strap: plastic
- Loop: nickel-plated steel
- colour: white

Application
- for deflection of belts in two-piece closure systems

Characteristics
- the movable roller reduces the frictional resistance of the webbing when closing

PU = 20 pcs or 100 pcs

Diameter	Ø Riveting hole	Item-No.
35 mm	4 mm	43P8/35
50 mm	4 mm	43P8/50

Plastic clip buckle, flat

Material
- Polyoxymethylene (POM)

Application
- one-piece system for fixing length-adjustable belt connections using a clamping mechanism

PU = 50 pieces

Inner width	Strap passage	Color	Item-No.
25 mm	1 mm	black	44P13/S
25 mm	1 mm	white	44P13/W

Clip Closure, Plastic

Material
- Polyoxymethylene (POM)
- Colour: black

Application
- one-piece system for fixing length-adjustable belt connections using a clamping mechanism
- the clip buckle can be used like a belt buckle

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

PU = 50 pcs or 100 pcs

Diameter	Belt opening	Item-No.
25 mm	3 mm	44P15/25
30 mm	3 mm	44P15/30
40 mm	3 mm	44P15/40
50 mm	3 mm	44P15/50

48P1/30S

48P20

Clip Closure, Plastic

Material
• Polyoxymethylene (POM)

Application
• two-piece system to close length adjustable belt connections

Characteristics
• by threading the belt back through the outer bar, the length adjustment is fixed (i.e. cannot move any more)

PU = 50 pcs or 100 pcs

Light width	Colour	Item-no.
30 mm	black	48P1/30S
20 mm	white	48P20
25 mm	white	48P15

Fidlock Magnetic Closure for orthoses

Material
• synthetic material and stainless steel
• weight: 22 g
• load capacity: 70 kg
• Magnetic flux density: in closed condition approx. 4mT at a distance of 25.4 mm to the closure

Application
• two-piece system to close strap connections of orthoses

Characteristics
• easy to handle with one hand, both sections close automatically
• easy opening by pulling the zipper

PU = 1 pc.

Light width	Dimensions L x W	Strap passage	Item-No.
25 mm	74 x 33 x 13 mm	2 mm	44P20/25

Caution: Operating personnel with pacemakers or other implanted electronic systems must observe the manufacturer's instructions for handling magnets.

Small parts – Screw connections

34P3

34P2

34P1

Insert Nut

Material
- Brass

Application
- Thread insert for thermoplastic synthetics

Characteristics
- edged
- slotted

PU = 20 pcs or 100 pcs

Thread x head diameter x length	Version	Item-no.
M4 x 7 mm x 4 mm	with projection	34P3
M4 x 6.5 mm x 5 mm	geared	34P2/4
M4 x 6.5 mm x 8 mm	geared	34P2/8
M4 x 5 mm x 8 mm	without projection	34P1

T-Nut

Material
- zinc plated steel

Application
- for hammering into plywood or multiplex boards

PU = 20 pcs or 100 pcs

Thread x head diameter x height	Item-no.
M4 x 15 mm x 6 mm	34P4/4
M5 x 17 mm x 8 mm	34P4/5
M6 x 17 mm x 8 mm	34P4/6
M8 x 22 mm x 11 mm	34P4/8
M10 x 25 mm x 12 mm	34P4/10

Steel Insert Nut

Material
- V2A steel

Application
- for anchoring of screw-connections in Prepreg and resin cast laminates

Small parts – Screw connections

Characteristics
- edged
- with wide head end
- corrosion-resistant

PU = 20 pcs or 100 pcs

Thread x head diameter x length	Item-no.
M4 x 9 mm x 5.5 mm	34P5

Knurled Nut

Material
- untreated steel

Application
- for hand-tightening screw connections of braces during trial phase

PU = 20 pcs or 100 pcs

Thread x head diameter x height	Item-no.
M3 x 12 mm x 7 mm	34P6

Use the testing screw item-no. 30P14.

Testing Screw/Counter Sink Head

Material
- zinc plated steel

Application
- for screw connections of braces during trial phase

PU = 100 pcs

Thread diameter x Length	Item-No.
M3 x 16 mm	30P14

Round Head Nut for Protector Screw

Material
- Aluminium alloy

Application
- for screw connections of braces during trial phase

PU = 20 pcs or 100 pcs

Thread x head diameter x height	Item-no.
M3 x 10 mm x 2.8 mm	34P8

Small parts – Screw connections

Lamination Disk

Material
- stainless steel

Application
- to anchor screwed connections in silicone (HTV), Prepreg and laminating resins

Characteristics
- with 3 slots
- corrosion-resistant

PU = 1 pc.

Thread x head diameter x length	Item-no.
M4 x 15 mm x 4.8 mm	34P9

Hessing Screw, steel

Material
- nickel-plated steel

Application
- for screw connections in orthopaedic technology

Characteristics
- with wide head end

PU = 20 pcs or 100 pcs

Thread x head diameter x length	Item-no.
M3 x 8 mm x 10 mm	30P11/3
M4 x 10 mm x 8 mm	30P11/4
M4 x 10 mm x 10 mm	30P11/4A
M4 x 10 mm x 12 mm	30P11/4B
M4 x 10 mm x 14 mm	30P11/4C
M5 x 12 mm x 15 mm	30P11/5

Plastic Screw

Material
- Polyoxymethylene (POM)
- Colour: off-white

Application
- for waterproof screw connections in orthopaedic technology

Small parts – Screw connections

Characteristics
- high strength
- with wide head end

PU = 10 pcs

Thread x head diameter x length	Item-no.
M4 x 10 mm x 6 mm	30P21/4x6
M4 x 10 mm x 7 mm	30P21/4x7
M4 x 10 mm x 9 mm	30P21/4x9

Plastic (POM) Insert Nut

Material
- Polyoxymethylene (POM)
- Colour: off-white

Application
- for waterproof screw connections in orthopaedic technology
- suitable for screw item-no. 30P21

Characteristics
- high strength
- with wide head end

PU = 10 pcs

Head diameter	Thread size	Item-No.
10 mm	M4	30P22/4

Small parts – Rivets and eyelets

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Steel Rivet

Material
- Steel

Application
- for rivet connections of iron-based metals (36P1)
- for rivet connections between plastics and metals (36P5)

Characteristics
- with flat head

PU = 1000 pieces

Strength x length	Version	Item-no.
3.0 mm x 15 mm	untreated	36P1/3x15
3.0 mm x 20 mm	untreated	36P1/3x20
3.0 mm x 25 mm	untreated	36P1/3x25
4.0 mm x 20 mm	untreated	36P1/4x20
4.0 mm x 25 mm	untreated	36P1/4x25
4.0 mm x 30 mm	untreated	36P1/4x30
3.0 mm x 15 mm	zinc plated	36P5/3x15
3.0 mm x 20 mm	zinc plated	36P5/3x20

Please see our catalogue „Machines and Tools", chapter „Tools" for suitable riveting tools.

Copper Rivet

Material
- copper alloy

Application
- for riveting connections between steel and leather

Characteristics
- with flat head

PU = 1000 pieces

Strength x length	Item-no.
2.6 mm x 8 mm	36P2/2x8
2.6 mm x 10 mm	36P2/2x10
3.0 mm x 6 mm	36P2/3x6
3.0 mm x 12 mm	36P2/3x12
3.0 mm x 15 mm	36P2/3x15
3.0 mm x 18 mm	36P2/3x18
3.0 mm x 20 mm	36P2/3x20
3.0 mm x 25 mm	36P2/3x25
4.0 mm x 20 mm	36P2/4x20
4.0 mm x 25 mm	36P2/4x25

Small parts – Rivets and eyelets

Please see our catalogue „Machines and Tools", chapter „Tools" for suitable riveting tools.

Aluminium Rivet

Material
- Aluminium alloy

Application
- for riveting connections between synthetics

Characteristics
- with flat head

PU = 1000 pieces

Strength x length	Item-no.
2.5 mm x 6 mm	36P3/2,5x6
2.5 mm x 10 mm	36P3/2x10
3.0 mm x 6 mm	36P3/3x6
3.0 mm x 8 mm	36P3/3x8
3.0 mm x 15 mm	36P3/3x15
3.0 mm x 25 mm	36P3/3x25

Please see our catalogue „Machines and Tools", chapter „Tools" for suitable riveting tools.

Tubular Rivet with Open Stem

Material
- Iron nickel-plated or brass

Application
- for riveting connections in leather, textile and thin synthetics

PU = 500 pcs

Head diameter x shaft diameter x shaft length	Designation	Material	Item-no.
6 mm x 3 mm x 3 mm	Upper part	Iron	66P10/O-1
6 mm x 2.3 mm x 6 mm	Lower part	Iron	66P10/U-1
9 mm x 3.8 mm x 3 mm	Upper part	Iron	66P20/O-1
10 mm x 3 mm x 10 mm	Lower part	Iron	66P20/U-1
11 mm x 4 mm x 3 mm	Upper part	brass	66P22/O-1
10 mm x 3.4 mm x 9 mm	Lower part	brass	66P22/U-1
13 mm x 4 mm x 4 mm	Upper part	brass	66P25/O-1
12 mm x 3.6 mm x 11 mm	Lower part	brass	66P25/U-1
13 mm x 4.2 mm x 4 mm	Upper part	Iron	66P26/O-1
11 mm x 3.3 mm x 11 mm	Lower part	Iron	66P26/U-1

Small parts – Rivets and eyelets

Tubular Rivet with Closed Stem

Material
- Iron nickel-plated or brass

Application
- for riveting connections in leather, textile and thin synthetics

PU = 500 pcs

Head diameter x shaft diameter x shaft length	Designation	Material	Item-no.
9 mm x 3.6 mm x 3 mm	Upper part	brass	66P15/O-1
9 mm x 2.8 mm x 9 mm	Lower part	brass	66P15/U-1
13 mm x 4 mm x 4 mm	Upper part	brass	66P30/O-1
13 mm x 3.5 mm x 13 mm	Lower part	brass	66P30/U-1
13 mm x 4.2 mm x 4 mm	Upper part	Iron	66P31/O-1
13 mm x 3.3 mm x 11 mm	Lower part	Iron	66P31/U-1

Steel Eyelet

Material
- nickel-plated steel

Application
- for all kinds of lacings (e.g. leather thigh cuffs)

PU = 250 pcs or 1000 pcs

Outer diameter x inner diameter x height	Item-no.
7 mm x 4 mm x 4.5 mm	60P4
8 mm x 4 mm x 5 mm	60P5
9 mm x 4 mm x 5 mm	60P6/VN
10 mm x 5 mm x 5.5 mm	60P8
12 mm x 6 mm x 5.5 mm	60P10

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Small parts – Rivets and eyelets

Brass Eyelet

Material
- coloured lacquered or nickel-plated brass

Application
- for all kinds of lacings (e.g. leather thigh cuffs)

PU = 250 pcs or 1000 pcs

Outer diameter x inner diameter x height	Colour	Item-no.
9 mm x 4 mm x 5 mm	natural	60P7/BLA
9 mm x 4 mm x 5 mm	beige	60P7/H
9 mm x 4 mm x 5 mm	black	60P7/S
9 mm x 4 mm x 5 mm	white	60P7/W
9 mm x 4 mm x 5 mm	white bronze	60P7/VN
10 mm x 5 mm x 5.5 mm	beige	60P9/H
10 mm x 5 mm x 5.5 mm	nickel-plated	60P9/VN
15 mm x 8 mm x 6 mm	nickel-plated	60P12/VN

Base Ring for Eyelet

PU = 250 pcs or 1000 pcs

Suitable for eyelet	Colour	Item-No.
60P10	steel nickel-plated	61P10
60P12	brass nickel-plated	61P12
60P6, 60P7	brass nickel-plated	61P7/VN
60P8, 60P9	brass nickel-plated	61P9/VN
60P7	brass	61P7/BLA

Please see our catalogue for suitable stamps in the „Workshop supplies" section

Lacing Hook

Material
- Nickel-plated or lacquered steel

Application
- for lacing bars in orthopaedic technology

PU = 250 pcs or 1000 pcs

Head size	Version	Item-no.
8.5 mm x 7.6 mm	nickel-plated	62P6
9.0 mm x 10 mm	caucasian	62P2/H

Please see our catalogue „Machines and Tools", chapter „Orthopaedic Shoe Technology" for suitable eyelet tools. Die item-no. W62P6 and W62P5

Small parts – Rivets and eyelets

Snap Fastener, 4-parts

Material
- Nickel-plated brass

Application
- for all kinds of closures

PU = 200 pcs

Head diameter	Item-No.
13 mm	64P12
15 mm	64P13

Please see our catalogue „Machines and Tools", chapter „Orthopaedic Shoe Technology" for suitable snap fastener tools. Die item-no. W64P12 and W64P13

Small parts – Latch fasteners
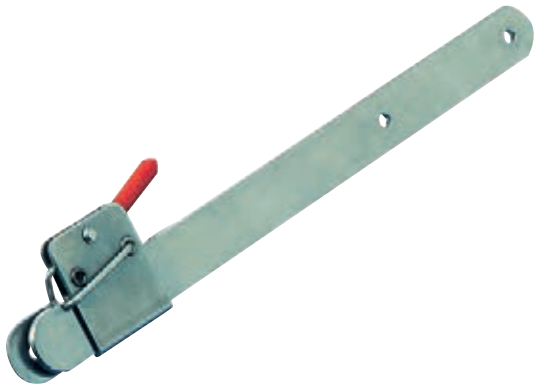
Bar Lock

Material
- stainless steel

Application
- for individual attachment of closures to spinal orthoses

Characteristics
- fixating corset closure

PU = 1 pc.

Length	Side	Item-No.
165 mm	left	24P5/KL
165 mm	right	24P5/KR
180 mm	left	24P5/ML
180 mm	right	24P5/MR
200 mm	left	24P5/NL
200 mm	right	24P5/NR
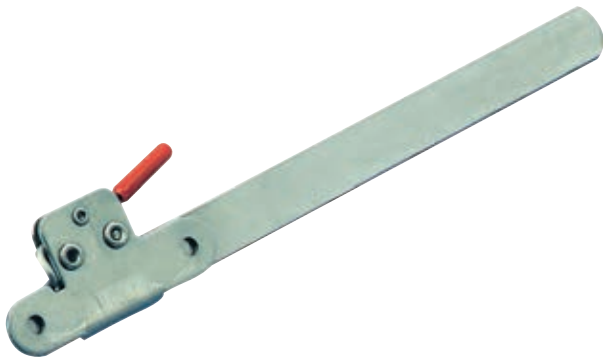
Baby Bar Lock

Material
- stainless steel

Application
- for individual attachment of closures to spinal orthoses

Characteristics
- fixating corset closure for children's braces

PU = 1 pc.

Length	Side	Item-No.
130 mm	right	24P5A

o.Abb.

Spare parts

for bar Lock (24P5)

Designation	Item-no.
Replacement cap, red, PU = 1 pieces	24P9

Small parts – Latch fasteners

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology
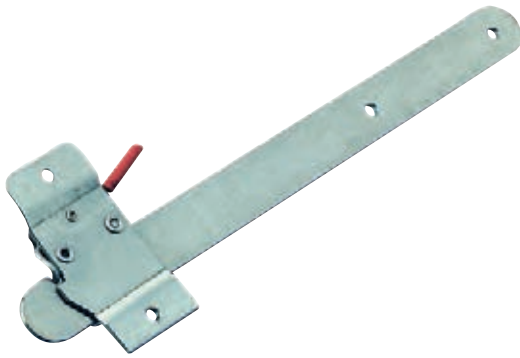
Bar Lock, Vertical

Material
- stainless steel

Application
- for individual attachment of closures to spinal orthoses

Characteristics
- with Vertical locking mechanism
- fixating corset closure

PU = 1 pc.

Length	Side	Item-No.
180 mm	left	24P16/ML
180 mm	right	24P16/MR
200 mm	left	24P16/NL
200 mm	right	24P16/NR
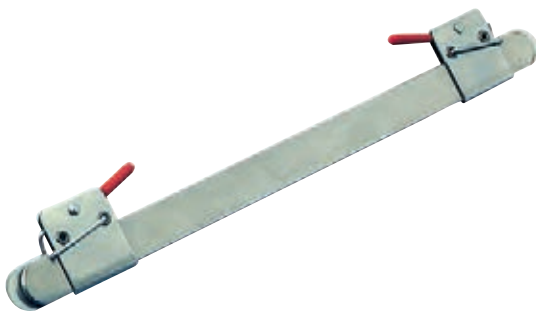
Bar Lock, double-sided

Material
- stainless steel

Application
- for individual attachment of closures to spinal orthoses

Characteristics
- manageable from both sides
- fixating corset closure

PU = 1 pc.

Length	Item-No.
220 mm	24P17

Small parts – Metals

Stabilizing Shackle, flat

Material
- stainless steel

Application
- traditional trochanter clamp for individual attachment to the lateral socket wall of above-knee prostheses

PU = 1 pc.

Handle length x strength	Item-no.
165 mm x 3 mm	24P7

Reclinating Shackle

Material
- stainless steel

Application
- for frame construction corsets made of synthetics
- stabilising clamp for individual attachment to back braces

PU = 1 pair

Length x strength	Item-no.
150 mm x 2 mm	24P8/K2
150 mm x 3 mm	24P8/K3
180 mm x 2 mm	24P8/N2
180 mm x 3 mm	24P8/N3
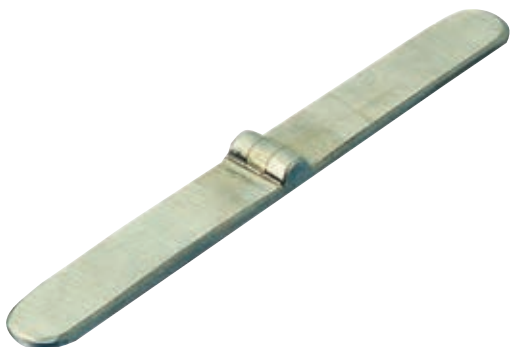
Strap Hinge

Material
- C45-steel

Application
- Back hinge for traditional spinal orthoses

Characteristics
- suitable for heavy-duty applications

PU = 1 pc.

Length x width	Item-no.
145 mm x 16 mm	24P1/2

Small parts – Metals

Stainless Steel Sheet

Material
- V2A steel

Application
- for manufacturing of stable and resilient insoles and brace soles

Characteristics
- approx. 500 – 700 N/mm² tensile strength

Dimensions L x W x H	Weight	PU	Item-no.
1000 mm x 500 mm x 2.00 mm	16,0 kg/m²	8.0 kg	100P2/200

Orthopaedic Flat Steel/Wrought Iron

Material
- steel blank

Application
- for manufacturing of reinforcement bars and constructions

Characteristics
- bendable
- especially suitable for cold forming
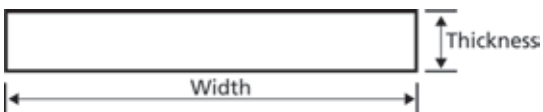
Dimensions L x W x H	Weight	Item-no.
1500 mm x 15 mm x 2 mm	235 g/m	101P1/215
1500 mm x 20 mm x 2 mm	315 g/m	101P1/220

Spring steel strip

Material
- high alloy steel
- hardened and polished
- with rounded edges

Application
- for the production of rigidus springs, peronaeus springs („Heidelberg angle") and corset construction

Characteristics
- Permanently elastic tensile strength
- Tensile strength: approx. 1570 N/mm²
- Weight: Ca. 177g/m

1 Ring ca. 6-8 kg

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Small parts – Metals

15 mm x 1.5 mm	101P5/15A
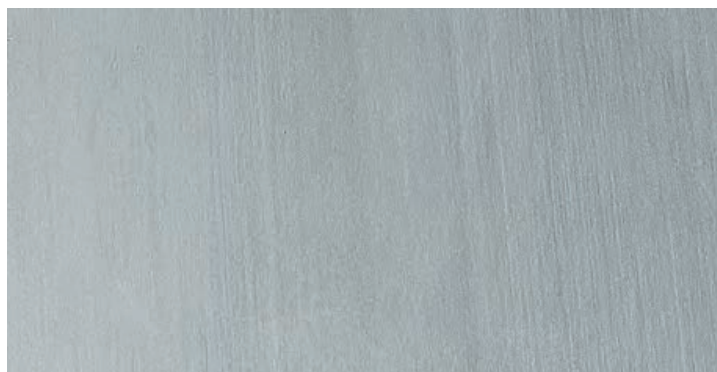
Dur-Aluminium

Material
- special orthopaedic quality

Application
- for manufacturing of insoles, braces and all kinds of reinforcement strips

Characteristics
- driftable
- approx. 400 N/mm² tensile strength

Dimensions L x W x H	Grammage	PU	Item-no.
995 mm x 495 mm x 1.50 mm	4,2 kg/m²	2.1 kg	102P1/150
995 mm x 495 mm x 2.00 mm	5,6 kg/m²	2.8 kg	102P1/200
995 mm x 495 mm x 2.50 mm	7,0 kg/m²	3.5 kg	102P1/250

Please mind the correct direction of rolling.

Small parts – Elastic Joints

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Elastic Joint for Orthoses

Material
- polyurethane (PUR)

Application
- Elastic Joint for orthoses are Very durable, multifunctional in applications and movement supporting

Characteristics
- the higher the flex grade (75, 85 or 95), the higher the motion support for dorsal- resp. plantar flexion

Set consisting of:
- 1 pair of joints
- 4 brass inserts
- 4 oval-head screws
- 4 paddings (self-adhesive pads for the inside)
- 2 dummies incl. 4 nails

PU = 1 set

Size	Flex grade	Length	Item-No.
S	Neutral	32 mm	10J1/S
M	Neutral	38 mm	10J1/M
L	Neutral	45 mm	10J1/L
S	Flex 75 Shore	32 mm	11J1/S
M	Flex 75 Shore	38 mm	11J1/M
L	Flex 75 Shore	45 mm	11J1/L
S	Flex 85 Shore	32 mm	12J1/S
M	Flex 85 Shore	38 mm	12J1/M
L	Flex 85 Shore	45 mm	12J1/L
S	Flex 95 Shore	32 mm	14J1/S
M	Flex 95 Shore	38 mm	14J1/M
L	Flex 95 Shore	45 mm	14J1/L
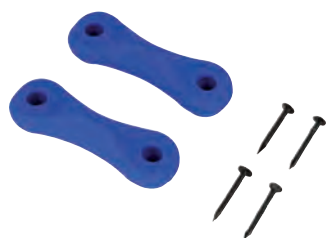
Elastic Joint Dummy

Material
- polyurethane (PUR)

Application
- spacer for deep drawing

Set consists of:
- 2 dummies incl. 4 nails

PU = 1 set

Small parts – Elastic Joints

Size	Length	Item-No.
S	34 mm	10J1/SE2
M	40 mm	10J1/ME2
L	47 mm	10J1/LE2

Dorsal Stopper for Elastic Joint

Material
- zinc plated steel
- elastomers

Application
- to inhibit the plantar flexion in the upper ankle

Characteristics
- continuously adjustable dorsal stop
- applicable for deep-drawn or laminated leg orthoses

Set consists of:
- Deflection bumper
- threaded part
- securing nut
- washer
- rivet

PU = 1 set

	Item-No.
	13J1

Screws and Nuts for Elastic Joint

Set consists of:
- 10 screws (L)
- 10 threaded bushings (M)

PU = 1 set

Size	Thread L	Thread M	Item-No.
S	M3,5 x 8	M3,5	10J1/SE10
M/L	M4 x 9	M4	10J1/ME10

Small parts – Other

PVC Shrink Tubing

Material
- soft-PVC
- colour: beige

Application
- thermoplastic cover material
- corrosion protection of steel braces

Characteristics
- shrinkage approx. 50 % under heat

PU = 50 metres

before shrinking	after shrinking	Item-No.
14 mm	7 mm	110P16/7
24 mm	12 mm	110P16/12
60 mm	30 mm	110P16/30

Use our Hot Air Gun (Item-no. 168P27).

Adhesive Crutch Tip „Ruhrstern"

Material
- polyurethane-bottom over joint plug, flexibly connected with the plastic top

Characteristics
- antiskid, also suitable for slightly angular supporting

PU = 2 piece

Inner diameter	Item-No.
16 mm	77P16/16
18 mm	77P16/18
20 mm	77P16/20
22 mm	77P16/22

Small parts – Other

Foot Resting Support

Material
- professional polyethylene-material for orthopaedic technology
- Colour: black

Application
- can be mounted on the wheel chair as foot rest

Characteristics
- pre-shaped
- without padding

PU = 1 pc.

Size	Length x width x strength	Item-no.
small	190 mm x 70 mm x 4 mm	35F2/K
medium	190 mm x 100 mm x 4 mm	35F2/M
large	190 mm x 110 mm x 4 mm	35F2/G

The used material is easy to sand and thermoplastic mouldable.

Small parts – Other

Synthetics

Cushioning
Materials

Laminating
Technology

Prepreg
Technology

Silicone
Technology

Adhesive
technology

Forming
Technology

Small parts

Textiles

Insole
Technology
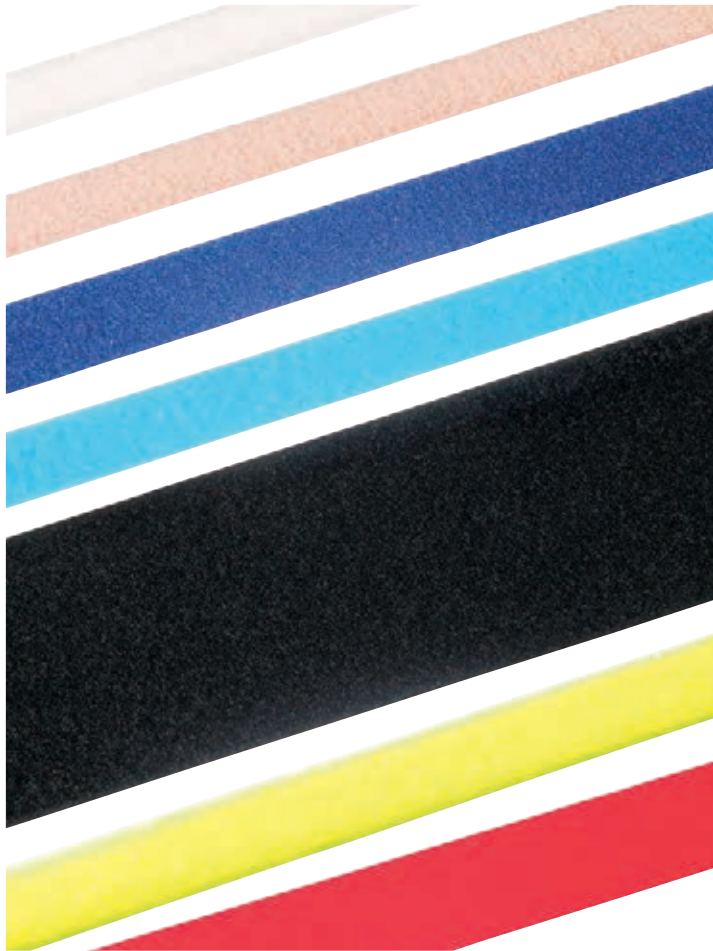
Hook Strap

Material
- 100 % polyamide (PA), woven
- hook-shaped holding threads

Application
- this hook strap is suitable for frequent opening and closing
- use together with loop strap item-no. 60T18F

Characteristics
- high holding force

PU = roll of 10/20/25/30/50 m

Width	Colour	Item-no.
20 mm	white	60T18K20W
20 mm	beige	60T18K20H
20 mm	blue	60T18K20B
20 mm	light blue	60T18K20HB
20 mm	black	60T18K20S
20 mm	red	60T18K20R
20 mm	golden	60T18K20X
25 mm	white	60T18K25W
25 mm	beige	60T18K25H
25 mm	blue	60T18K25B
25 mm	light blue	60T18K25HB
25 mm	black	60T18K25S
25 mm	red	60T18K25R
25 mm	golden	60T18K25X
30 mm	white	60T18K30W
30 mm	beige	60T18K30H
30 mm	blue	60T18K30B
30 mm	light blue	60T18K30HB
30 mm	black	60T18K30S
30 mm	red	60T18K30R
30 mm	golden	60T18K30X
38 mm	white	60T18K38W
38 mm	beige	60T18K38H
38 mm	black	60T18K38S
50 mm	white	60T18K50W
50 mm	beige	60T18K50H
50 mm	blue	60T18K50B
50 mm	light blue	60T18K50HB
50 mm	black	60T18K50S
50 mm	red	60T18K50R
50 mm	golden	60T18K50X
100 mm	white	60T18K100W
100 mm	black	60T18K100S

Close hook- and loop closure prior to washing in order to avoid damage to other fabrics.

Textiles – Hook and loop fasteners

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology
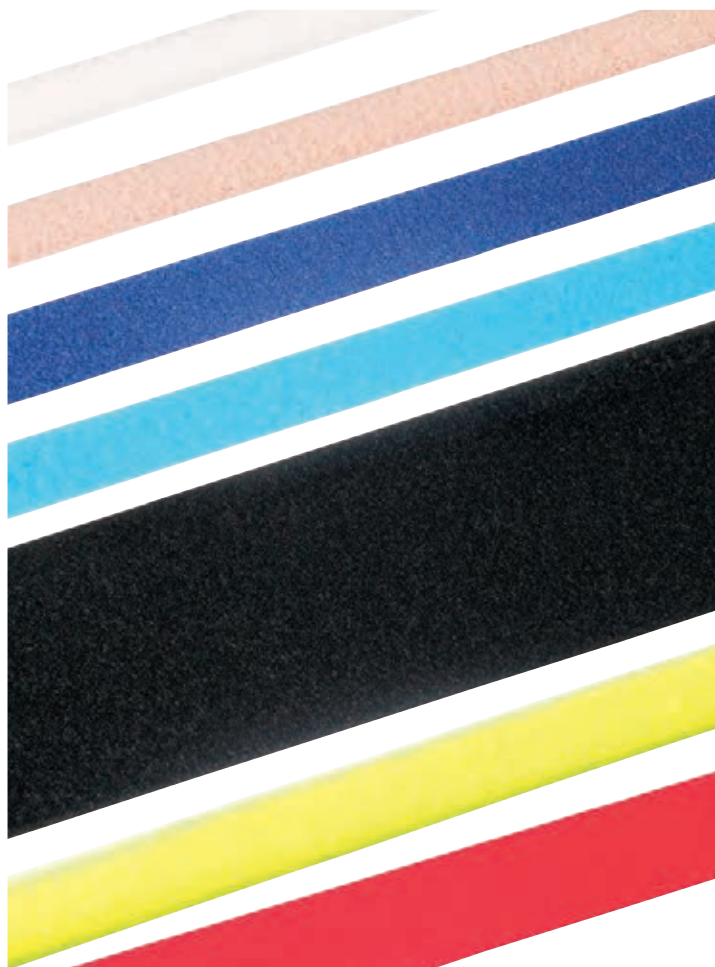
Loop Strap

Material
- 100 % polyamide (PA), woven
- loop-shaped threads

Application
- use together with Hook Strap (Item-no. 60T18K)

PU = roll of 10/20/25/30/50 m

Width	Colour	Item-no.
20 mm	white	60T18F20W
20 mm	beige	60T18F20H
20 mm	blue	60T18F20B
20 mm	light blue	60T18F20HB
20 mm	black	60T18F20S
20 mm	red	60T18F20R
20 mm	golden	60T18F20X
25 mm	white	60T18F25W
25 mm	beige	60T18F25H
25 mm	blue	60T18F25B
25 mm	light blue	60T18F25HB
25 mm	black	60T18F25S
25 mm	red	60T18F25R
25 mm	golden	60T18F25X
30 mm	white	60T18F30W
30 mm	beige	60T18F30H
30 mm	blue	60T18F30B
30 mm	light blue	60T18F30HB
30 mm	black	60T18F30S
30 mm	red	60T18F30R
30 mm	golden	60T18F30X
38 mm	white	60T18F38W
38 mm	beige	60T18F38H
38 mm	black	60T18F38S
50 mm	white	60T18F50W
50 mm	beige	60T18F50H
50 mm	blue	60T18F50B
50 mm	light blue	60T18F50HB
50 mm	black	60T18F50S
50 mm	red	60T18F50R
50 mm	golden	60T18F50X
100 mm	white	60T18F100W
100 mm	beige	60T18F100H
100 mm	black	60T18F100S

This item is available in Various colours and widths with self-adhesive coating (see item-no. 60T37).

Textiles – Hook and loop fasteners

Hook Strap „Hako Fix"

Material
- 100 % polyamide (PA), woven
- hook-shaped holding threads

Application
- this hook strap is suitable for frequent opening and closing
- use together with hook strap item-no. 60T80F

Characteristics
- extremely high holding- and transverse force

VE = Roll à 10/15/ 25 m

Width	Colour	Item-no.
20 mm	white	60T80K20W
20 mm	blue	60T80K20B
20 mm	black	60T80K20S
20 mm	light blue	60T80K20HB
20 mm	yellow	60T80K20X
25 mm	white	60T80K25W
25 mm	black	60T80K25S
25 mm	yellow	60T80K25X
30 mm	white	60T80K30W
30 mm	beige	60T80K30H
30 mm	blue	60T80K30B
30 mm	black	60T80K30S
30 mm	yellow	60T80K30X
30 mm	red	60T80K30R
38 mm	white	60T80K38W
38 mm	beige	60T80K38H
38 mm	blue	60T80K38B
38 mm	black	60T80K38S
38 mm	light blue	60T80K38HB
38 mm	yellow	60T80K38X
50 mm	white	60T80K50W
50 mm	beige	60T80K50H
50 mm	blue	60T80K50B
50 mm	black	60T80K50S
50 mm	yellow	60T80K50X
50 mm	red	60T80K50R

Close hook- and loop closure prior to washing in order to avoid damage to other fabrics.

Textiles – Hook and loop fasteners

Loop Strap „Hako Fix"

Material
- 100 % polyamide (PA), woven
- loop-shaped threads

Application
- use together with hook strap item-no. 60T80K

PU = roll of 10/15/25 m

Width	Colour	Item-no.
20 mm	white	60T80F20W
20 mm	blue	60T80F20B
20 mm	black	60T80F20S
20 mm	yellow	60T80F20X
20 mm	red	60T80F20R
25 mm	white	60T80F25W
25 mm	beige	60T80F25H
25 mm	black	60T80F25S
25 mm	yellow	60T80F25X
30 mm	white	60T80F30W
30 mm	beige	60T80F30H
30 mm	blue	60T80F30B
30 mm	black	60T80F30S
30 mm	yellow	60T80F30X
30 mm	red	60T80F30R
38 mm	white	60T80F38W
38 mm	beige	60T80F38H
38 mm	blue	60T80F38B
38 mm	black	60T80F38S
38 mm	yellow	60T80F38X
38 mm	red	60T80F38R
50 mm	white	60T80F50W
50 mm	beige	60T80F50H
50 mm	blue	60T80F50B
50 mm	black	60T80F50S
50 mm	yellow	60T80F50X
50 mm	red	60T80F50R

Close hook- and loop closure prior to washing in order to avoid damage to other fabrics.

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Textiles – Hook and loop fasteners

Hook- und Loop Strap elastic

Material
- Polyamide (PA) + Elastane (EL)
- woven-in loop-shaped Velour threads
- hook-shaped holding threads

Application
- for hook- and loop closure systems which must withstand motion and muscle tension due to system elasticity

Characteristics
- approx. 50 % stretching capability

PU = roll of 10/20/25/30/50 m

Width	Colour	Version	Item-no.
30 mm	white	Loop	60T30F30W
30 mm	beige	Loop	60T30F30H
30 mm	blue	Loop	60T30F30B
30 mm	black	Loop	60T30F30S
50 mm	white	Loop	60T30F50W
50 mm	beige	Loop	60T30F50H
50 mm	blue	Loop	60T30F50B
50 mm	black	Loop	60T30F50S
30 mm	white	Hook	60T30K30W
30 mm	beige	Hook	60T30K30H
30 mm	blue	Hook	60T30K30B
30 mm	black	Hook	60T30K30S
50 mm	white	Hook	60T30K50W
50 mm	beige	Hook	60T30K50H
50 mm	blue	Hook	60T30K50B
50 mm	black	Hook	60T30K50S

Sew the elastic hook- and loop strap with zig-zag stitches onto the work piece.

Hook- und Loop Strap „Back to Back"

hook and loop, welded back to back

Material
- 100 % polyamide (PA), woven
- loop-shaped threads
- hook-shaped holding threads

PU = Roll 25m each

Textiles – Hook and loop fasteners

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Width	Colour	Item-no.
20 mm	white	60T38B20W
20 mm	beige	60T38B20H
20 mm	black	60T38B20S
25 mm	white	60T38B25W
25 mm	black	60T38B25S
30 mm	white	60T38B30W
30 mm	beige	60T38B30H
30 mm	black	60T38B30S
50 mm	white	60T38B50W
50 mm	beige	60T38B50H
50 mm	black	60T38B50S

Loop Strap, double-sided

Material
- 100 % polyamide (PA)
- Colour: black

Application
- for manufacturing of individual belt closures

Characteristics
- loop strap on front- and backside
- on both sides with piped edges

PU = Roll 23m each

Width	Item-No.
35 mm	60T15F35S

This Velour clings to regular hook- as well as to micro hook material.

Hook- und Loop Strap self-adhesive

Material
- 100 % polyamide (PA), woven
- loop-shaped threads
- hook-shaped holding threads
- Acrylic adhesive coating

Characteristics
- high and fast adhesion
- very flat closure system

PU = roll of 10/20/25/30/50 m

Textiles – Hook and loop fasteners

Width	Colour	Version	Item-no.
20 mm	white	Loop	60T37F20W
20 mm	beige	Loop	60T37F20H
20 mm	black	Loop	60T37F20S
25 mm	white	Loop	60T37F25W
25 mm	beige	Loop	60T37F25H
25 mm	black	Loop	60T37F25S
30 mm	white	Loop	60T37F30W
30 mm	beige	Loop	60T37F30H
30 mm	black	Loop	60T37F30S
38 mm	white	Loop	60T37F38W
38 mm	beige	Loop	60T37F38H
38 mm	black	Loop	60T37F38S
50 mm	white	Loop	60T37F50W
50 mm	beige	Loop	60T37F50H
50 mm	black	Loop	60T37F50S
20 mm	white	Hook	60T37K20W
20 mm	black	Hook	60T37K20S
25 mm	beige	Hook	60T37K25H
25 mm	black	Hook	60T37K25S
30 mm	white	Hook	60T37K30W
30 mm	beige	Hook	60T37K30H
30 mm	black	Hook	60T37K30S
38 mm	white	Hook	60T37K38W
38 mm	black	Hook	60T37K38S
50 mm	white	Hook	60T37K50W
50 mm	beige	Hook	60T37K50H
50 mm	black	Hook	60T37K50S

The designated surface for adhering the strap must be free of grease and dust. Roughen smooth surfaces prior to adhering.

Hook- und Loop Strap self-adhesive

Material
- 100 % polyamide (PA)
- Hotmelt adhesive coating

Application
- ideally suited for permanent attachment of e.g. paddings in orthoses

PU = 1 roll (750 pieces)

Diameter	Colour	Version	Item-No.
30 mm	black	hook	60T86K30S
30 mm	white	hook	60T86K30W
30 mm	black	loop	60T86F30S
30 mm	white	loop	60T86F30W

Textiles – Hook and loop fasteners

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Micro Hook and Look Strap

Material
- 100 % polyamide
- Colour: black

Application
- ideally suited for attaching padding in orthoses and prosthesis sockets
- the hook and loop tape can also be used with other fleece tapes or Velour fabrics

Characteristics
- very flat closure system (approx. 1.5 mm)
- can be easily bonded to the workpiece

PU = 50 metres per roll

Width	Version	Item-No.
20 mm	hook	60T40K20S
20 mm	loop	60T40F20S
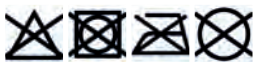
Micro Velcro/Velour Strap „Back to Back"
Micro Velcro tape and Velour tape, welded back to back

Material
- 100 % polyamide

Application
- particularly suited for incorporation into HTV silicones
- the hook and loop tape can also be used with other fleece tapes or Velour fabrics

PU = running metre

Width	Colour	Item-No.
38 mm	black	60T41B38S
38 mm	white	60T41B38W

Micro-Velcro transparent

Material
- 100 % polyamide (PA)
- hook-shaped holding threads
- Colour: milky-white/transparent

Application
- ideally suited for attaching padding in orthoses and prosthesis sockets

Characteristics
- adheres to most Velour fabrics and fleece tapes

PU = running metre

Width	Item-No.
320 mm	60T43K320

Velcro fastening system

Material
- 100 % polyamide (PA)
- Colour: beige (hook), white (plastic loop)

Characteristics
- the finished Velcro fastening system can be attached quickly and easily with rivets or by sewing it to the workpiece
- incl. 2 hollow rivets (66P25/O-1 and 66P25/U-1)

Size	Dimensions W x L	Item-No.
1	38 x 270 mm	60T55/1
2	38 x 310 mm	60T55/2

Micro-Hook and -Loop Strap, self-adhesive

Material
- 100 % polyamide (PA), extruded
- Acrylic adhesive coating
- Colour: black

Application
- particularly suitable for attaching padding in orthoses or prosthesis sockets without additional adhesive
- the micro-hook strap can also be used with other loop straps or velour fabrics

Characteristics
- very flat fastening system
- high and fast adhesive force

Textiles – Hook and loop fasteners

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

- temperature and ageing resistant

PU = 1 roll (25 m)

Width	Version	Item-No.
50 mm	hook	60T42K50S
50 mm	loop	60T42F50S

The designated surface for adhering the strap must be free of grease and dust. Roughen smooth surfaces prior to adhering.

Gesamtlänge 350 mm

Klettbereich 100 mm
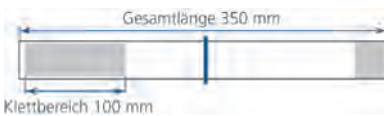
Hook and Loop Fasteners with deflection-loop and flap

Material
- 100 % polyamide (PA)
- Buckle made of white unbreakable plastic material

Characteristics
- the finished hook-and-loop fastener system can be attached quickly and easily with rivets or by sewing it to the work piece

PU = 10 pcs/colour

Size w x l	Colour	Item-no.
20 mm x 350 mm	blue	60T70/20B
20 mm x 350 mm	black	60T70/20S
20 mm x 350 mm	white	60T70/20W
25 mm x 350 mm	blue	60T70/25B
25 mm x 350 mm	yellow	60T70/25G
25 mm x 350 mm	red	60T70/25R
25 mm x 350 mm	black	60T70/25S
25 mm x 350 mm	white	60T70/25W
30 mm x 350 mm	blue	60T70/30B
30 mm x 350 mm	yellow	60T70/30G
30 mm x 350 mm	red	60T70/30R
30 mm x 350 mm	black	60T70/30S
30 mm x 350 mm	white	60T70/30W
38 mm x 350 mm	blue	60T70/38B
38 mm x 350 mm	yellow	60T70/38G
38 mm x 350 mm	red	60T70/38R
38 mm x 350 mm	black	60T70/38S
38 mm x 350 mm	white	60T70/38W
50 mm x 350 mm	blue	60T70/50B
50 mm x 350 mm	yellow	60T70/50G
50 mm x 350 mm	red	60T70/50R
50 mm x 350 mm	black	60T70/50S
50 mm x 350 mm	white	60T70/50W

Textiles – Hook and loop fasteners

Hook and Loop Fastener System

Material
- Band: Imitation leather
- Hook and loop fasteners: polyamide
- Guide roller and loop: metal

Characteristics
- smooth, rigid surface, can be cleaned with a damp cloth
- embossed markings for shortening and punching of rivet-holes
- high-quality and modern workmanship

PU = 1 pc.

Colour	Width	Hook and loop fastening area	Item-No.
white	25 mm	150 – 250 mm	145R12/25W
black	25 mm	150 – 250 mm	145R12/25S
dark blue	25 mm	150 – 250 mm	145R12/25DB
white	40 mm	150 – 350 mm	145R12/40W
black	40 mm	150 – 350 mm	145R12/40S
dark blue	40 mm	150 – 350 mm	145R12/40DB

Comfort pad for orthotic fasteners

Material
- Skin side: Polyamide (PA)
- Outer side blue: polyester (PES) + PVC
- Out side black: polyester (PES) + polyamide (PA)

Characteristics
- the prefabricated comfort pad replaces hand-made sliding pads for existing belt and fastening systems
- protects pressure-sensitive areas of the body such as the edge of the shinbone
- can be cut to size at the embossing
- suitable for strap widths 25, 30, 38 and 50 mm
- can be disinfected with conventional alcohol-based disinfectants

PU = 10 pcs

Dimensions B x L	Colour	For belt width	Item-No.
65 x 140 mm	black	25, 30 mm	145R14/MS
65 x 140 mm	blue	25, 30 mm	145R14/MB
85 x 180 mm	black	38, 50 mm	145R14/LS
85 x 180 mm	blue	38, 50 mm	145R14/LB

Textiles – Hook and loop fasteners

Zipper

Material
- fabric with plastic teeth
- Colour: black

Application
- as closing system in silicone orthoses or in textile manufacturing

Characteristics
- separating

PU = 1 pc.

Length	Item-No.
20 cm	85E1/20
25 cm	85E1/25
30 cm	85E1/30

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Textiles – Straps

Cotton Webbing Strap

Material
- 100 % cotton (CO)
- woven und finished
- Canvas weave
- cut diagonally and folded, cut edge in the centre
- light quality

Application
- for piping of open cut fabric edges

Characteristics
- well suitable for curved edges

PU = 50 metres per roll

Width	Colour	Item-no.
20 mm	white	52T1/20W
20 mm	beige	52T1/20H
20 mm	black	52T1/20S

Slight colour deviations are possible for technical production reasons.

Velvet Strap

Material
- 100 % polyamide (PA)
- woven with firm edge

Recommendation
- iron inside out

PU = 10 metres per roll

Width	Colour	Item-no.
22 mm	beige	59T9/22H
50 mm	beige	59T8/50H
50 mm	black	59T8/50S

Thigh Strap Cord

Material
- 100 % rayon (ZW)
- woven, finished und roughed up
- Twill weave
- fluffy, soft grip
- colour: white

PU = Roll 25m each

Textiles – Straps

Width	Item-No.
20 mm	57T3/20W

Slight colour deviations are possible for technical production reasons.

Edging Strap

Material
- 100 % cotton (CO)
- woven und finished
- herringbone weave
- light quality

PU = 50 metres per roll

Width	Colour	Item-no.
10 mm	beige	51T1/10H
20 mm	white	51T1/20W
20 mm	beige	51T1/20H
20 mm	black	51T1/20S

Slight colour deviations are possible for technical production reasons.

Support Strap Heringbone

Material
- 100 % cotton (CO)
- woven und finished
- Heringbone weave with intermittent striped look
- medium-heavy, soft quality

PU = roll of 10/20/30/50 m

Width	Colour	Item-no.
35 mm	white	53T9/35W
35 mm	beige	53T9/35H
35 mm	black	53T9/35S
45 mm	beige	53T9/45H
45 mm	black	53T9/45S

Slight colour deviations are possible for technical production reasons.

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Textiles – Straps

Support Strap

Material
- 100 % cotton (CO)
- woven and finished with firm edge
- Twill weave with striped look
- medium-heavy quality

PU = roll of 10/20/30/50 m

Width	Colour	Item-no.
20 mm	white	53T13/20W
20 mm	beige	53T13/20H
20 mm	black	53T13/20S
25 mm	white	53T13/25W
25 mm	beige	53T13/25H
30 mm	white	53T13/30W
30 mm	beige	53T13/30H
30 mm	black	53T13/30S
35 mm	beige	53T13/35H
35 mm	blue	53T13/35B
50 mm	white	53T13/50W
50 mm	beige	53T13/50H
50 mm	black	53T13/50S

Slight colour deviations are possible for technical production reasons.

Prosthetic Belt

Material
- 99 % Viscose (CV) + 1 % polyester (PES)
- woven
- Plain weave with rip structure
- medium-heavy, soft quality

PU = roll of 30/50 m

Width	Colour	Item-no.
25 mm	white	55T1/25W
30 mm	white	55T1/30W
35 mm	white	55T1/35W
35 mm	beige	55T14/35H
45 mm	white	55T1/45W
45 mm	beige	55T14/45H

Slight colour deviations are possible for technical production reasons.

Textiles – Straps

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Safety Belt

Material
- 100 % polyester (PES)
- woven
- plain weave with fine rip structure
- light, shiny quality
- Colour: black

PU = roll of 10/20/30/50 m

Width	Item-No.
38 mm	55T25
50 mm	55T25/50

Webbing Strap

Material
- 100 % polypropylene (PIP)
- woven
- plain weave with rip structure
- strong, shiny quality
- Colour: black

PU = roll of 10/20/30/50 m

Width	Item-no.
20 mm	55T10/20S
25 mm	55T10/25S
30 mm	55T10/30S

Suitable for applications with high pulling forces.

Textiles – Straps

Webbing Strap, Polyester

Material
- 100 % polyester (PES)
- woven
- plain weave with rip structure
- light, shiny quality

PU = roll of 10/20/30/50 m

Width	Colour	Item-No.
20 mm	white	55T30/20W
20 mm	blue	55T30/20B
20 mm	black	55T30/20S
20 mm	red	55T30/20R
20 mm	yellow	55T30/20G
25 mm	white	55T30/25W
25 mm	blue	55T30/25B
25 mm	black	55T30/25S
25 mm	red	55T30/25R
25 mm	yellow	55T30/25G
30 mm	white	55T30/30W
30 mm	blue	55T30/30B
30 mm	black	55T30/30S
30 mm	red	55T30/30R
50 mm	white	55T30/50W
50 mm	blue	55T30/50B
50 mm	black	55T30/50S
50 mm	red	55T30/50R

Padding Band

Material
- 100 % neoprene
- Colour: black

Application
- ideally suited for paddings of belt closures for orthotics

PU = running metre

Inner diameter	Item-No.
25 mm	197P10/25
38 mm	197P10/38

Textiles – Straps

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

„Elastinova" Webbing Strap

Material
- 63 % Polyamide, 21 % Viscose, 16 % Elastane
- knit
- thick, sturdy and Very stiff quality
- longitudinal elasticity approx. 45 %
- colour: beige

PU = roll of 5/10/25 m

Width	Colour	Item-No.
250 mm	peach	62T7/25H
300 mm	peach	62T7/30H
350 mm	peach	62T7/35H
400 mm	peach	62T7/40H
450 mm	peach	62T7/45H

Slight colour deviations are possible for technical production reasons.

Elastic Webbing Strap strong

Material
- 91 % rayon and 9 % elastodiene (latex)
- woven
- firm, medium-strong quality with smooth surface
- Longitudinal elasticity approx. 80 %

PU = roll of 5/10/25 m

Width	Colour	Item-no.
50 mm	beige	61T1/5H
50 mm	black	61T1/5S
80 mm	beige	61T1/8H
80 mm	black	61T1/8S
100 mm	beige	61T1/10H
100 mm	black	61T1/10S
200 mm	caucasian	62T1/20H
200 mm	black	62T1/20S
250 mm	beige	62T1/25H
300 mm	beige	62T1/30H

Slight colour deviations are possible for technical production reasons.

Textiles – Straps
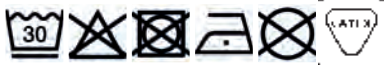
Elastic Webbing Strap soft

Material
- 85 % Viscose and 15 % elastodiene (latex)
- woven with firm edge
- firm, medium-strong quality with smooth surface
- Longitudinal elasticity approx. 60 %

PU = roll of 5/10/25 m

Width	Colour	Item-no.
60 mm	beige	61T13/6H
60 mm	black	61T13/6S

Slight colour deviations are possible for technical production reasons.
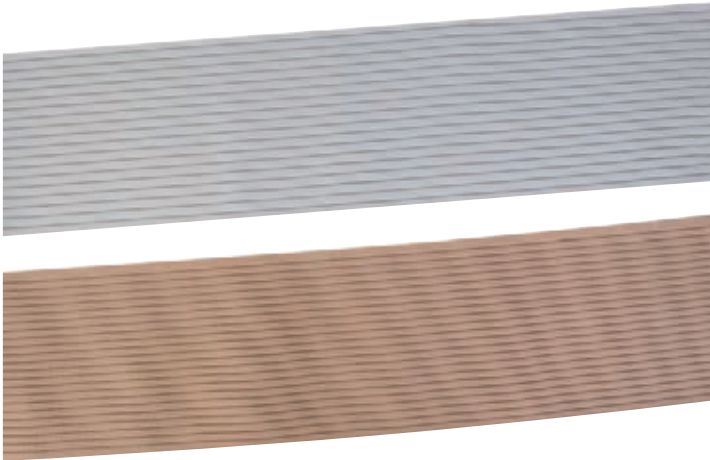
Elastic Support Webbing

Material
- 77 % polyamide, 12 % rayon and 11 % elastane
- woven with perlon wire reinforcement
- lattice-like openwork structure
- smooth surface
- Longitudinal elasticity approx. 80 %

PU = roll of 5/10/25 m

Width	Colour	Item-no.
60 mm	white	61T3/6W
60 mm	beige	61T3/6H
80 mm	white	61T3/8W
80 mm	beige	61T3/8H
160 mm	white	61T3/16W
160 mm	beige	61T3/16H
200 mm	white	61T3/20W
250 mm	white	61T3/24W
250 mm	beige	61T3/24H

Slight colour deviations are possible for technical production reasons.

Textiles – Straps
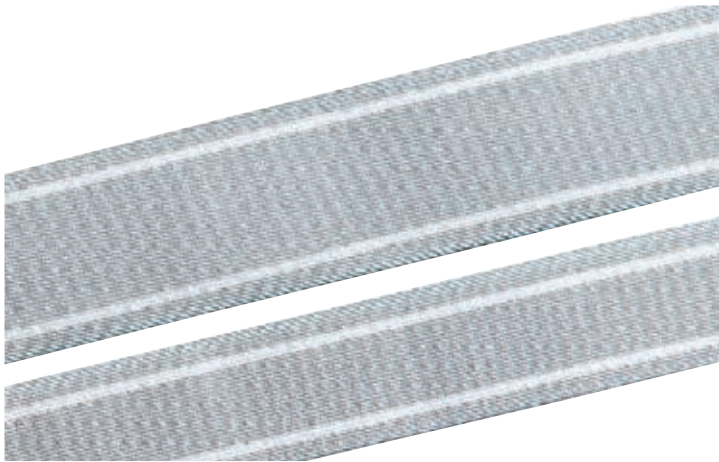
Elastic Prosthetic Belt

Material
- 65 % cotton, 18 % rayon and 17 % elastodiene (latex)
- multi layer weave with soft, smoothened edge
- thick, strong quality
- Longitudinal elasticity approx. 50 %
- Colour: light grey/white (front), white (back)

PU = Roll 25m each

Width	Item-No.
35 mm	65T3/35GW
45 mm	65T3/45GW

Slight colour deviations are possible for technical production reasons.
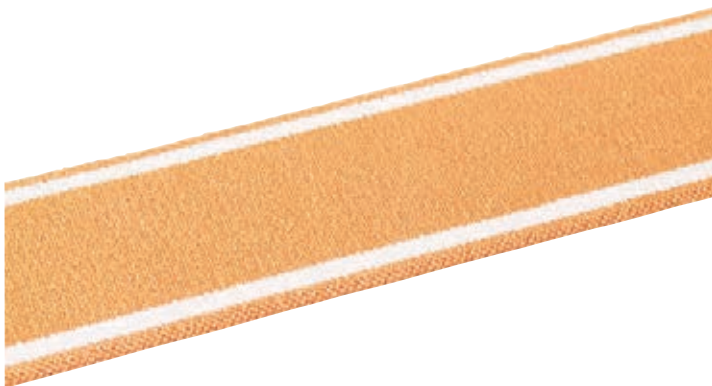
Elastic Webbing Strap

Material
- 82 % rayon and 18 % elastodiene (latex)
- multi layer weave
- stripes woven in on both sides
- smooth rounded edges
- thick, strong quality
- shiny terrycloth-like structure
- Longitudinal elasticity approx. 50 %
- Colour: golden/white

PU = Roll 25m each

Width	Item-No.
20 mm	65T1/20BW
25 mm	65T1/25BW
35 mm	65T1/35BW
45 mm	65T1/45BW

Slight colour deviations are possible for technical production reasons.
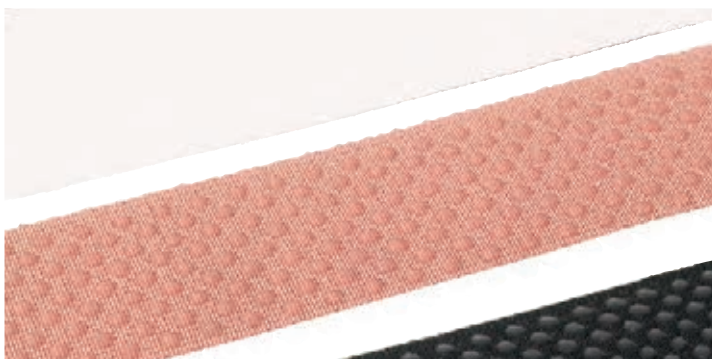
Elastic Edge Strap with silicone beads (dots)

Material
- 88 % polyamide (PA) + 12 % Elastan (EL)
- soft, light quality
- Longitudinal elasticity approx. 150 %

Recommendation
- Do not iron the silicone side!

VE = Roll à 5/10/25/50 m

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Textiles – Straps

Width	Colour	Item-no.
50 mm	white	66T15/50W
50 mm	beige	66T15/50H
50 mm	black	66T15/50S

Slight colour deviations are possible for technical production reasons.
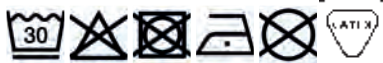
Elastic Strap with button holes

Material
- 86 % Viscose and 14 % elastodiene (latex)
- woven
- soft, medium-strong quality
- glossy surface
- Medial button holes, length approx. 7 mm
- Longitudinal elasticity approx. 80 %

PU = Roll 25m each

Width	Colour	Item-no.
20 mm	white	69T11/20W

Slight colour deviations are possible for technical production reasons.

Thigh Strap Cord-Elastic Strap with button holes

Material
- 87 % Viscose (CV) + 13 % rubber
- woven
- both sides brushed
- soft, medium-strong quality
- Medial button holes, length approx. 7 mm
- Longitudinal elasticity approx. 90 %
- colour: white

PU = Roll 25m each

Breite	Farbe	Item-no.
18 mm	weiß	69T1/18W

Elastic Edging Strap light weight

Material
- 80 % rayon and 20 % elastodiene (latex)
- woven with light rip structure
- indicated folded edge in the middle
- light quality
- slightly glossy surface
- Longitudinal elasticity approx. 120 %

PU = Roll 25m each

Textiles – Straps

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Width	Colour	Item-no.
20 mm	white	73T1/W
20 mm	beige	73T1/H
20 mm	black	73T1/S

Slight colour deviations are possible for technical production reasons.

Elastic Edging Strap medium strength

Material
- 83 % Viscose and 17 % elastodiene (latex)
- woven
- clearly pronounced folded edge in the middle
- medium-heavy quality
- Highly glossy, smooth surface
- Longitudinal elasticity approx. 160 %

PU = Roll 25m each

Width	Colour	Item-no.
20 mm	white	73T5/W
20 mm	beige	73T5/H
20 mm	black	73T5/S

Slight colour deviations are possible for technical production reasons.

Elastic Edging Strap Velvety

Material
- 83 % rayon, 8 % polyamide and 9 % elastodiene (latex)
- woven with light rip structure
- slightly indicated folded edge
- light quality
- glossy surface
- one half with Velvety surface
- Longitudinal elasticity approx. 120 %

PU = Roll 25m each

Width	Colour	Item-no.
20 mm	white	73T17/W
20 mm	beige	73T17/H
20 mm	black	73T17/S

Slight colour deviations are possible for technical production reasons.

Textiles – Fabrics

Elastic Edge Strap

Material
- 67 % polyester (PES) + 17 % cotton (CO) + 8 % polyamide (PA, Helanca) + 8 % Elastan (EL, Lycra)
- woven
- blue stipes in the middle
- slightly indicated folded edge
- smooth, light quality
- Longitudinal elasticity approx. 100 %
- Colour: black-blue

PU = Roll 25m each

Width	Item-No.
25 mm	73T8

Slight colour deviations are possible for technical production reasons.
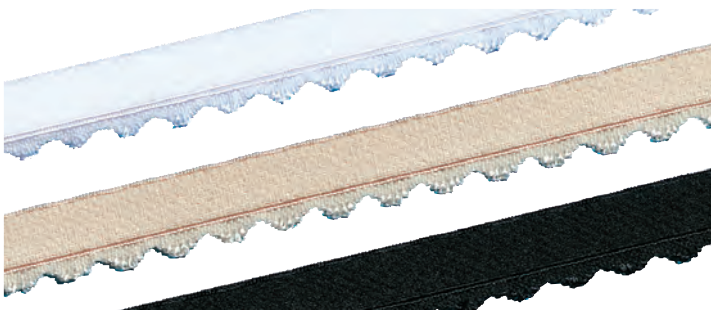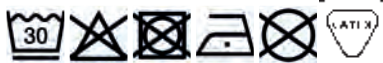
Elastic Trim Strap

Material
- 73 % Viscose, 18 % elastodiene (latex) and 9 % polyamide
- woven
- serrated edge on one side
- light quality
- velvety surface on one side
- Longitudinal elasticity approx. 120 %

PU = Roll 25m each

Width	Colour	Item-no.
16 mm	beige	73T13/H
16 mm	black	73T13/S

Slight colour deviations are possible for technical production reasons.

Elastic Lace

Material
- 89 % polyamide (PA) + 11 % Elastan (EL)
- Longitudinal elasticity approx. 120 %
- colour: white

PU = roll of 25/50/100 m

Width	Item-No.
3,9 mm	79T1/W

Textiles – Fabrics

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology
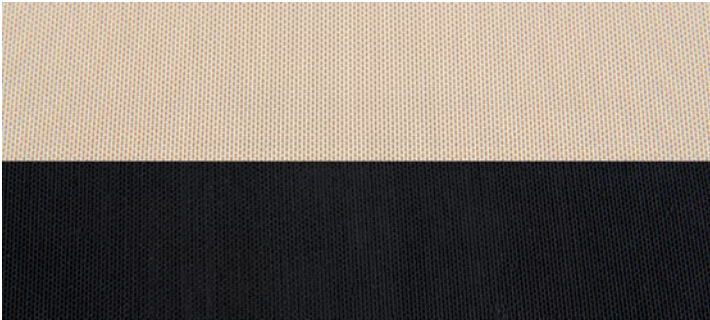
„Lycra-Tuell" Webbing

Material
- 65 % polyamide (PA) + 35 % Elastan (EL)
- knit und finished
- open structure
- smooth surface
- Longitudinal elasticity approx. 95 %
- Transversal elasticity approx. 100 %

PU = running metre

Width	Colour	Weight	Item-no.
900 mm	beige	330 g/m²	63T35/H
900 mm	black	330 g/m²	63T35/S

Slight colour deviations are possible for technical production reasons.
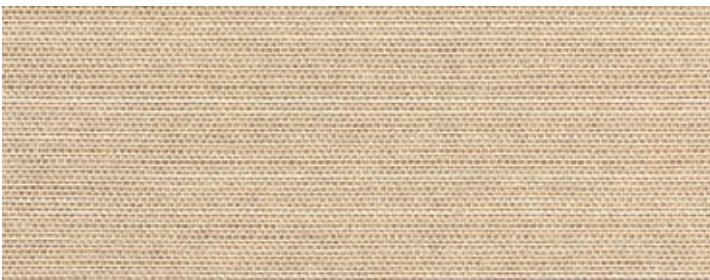
„Tuell" Webbing

Material
- 38 % cotton (CO) + 38 % polyamide (PA) + 24 % Elastan (EL)
- knit und finished
- surface fluffy and roughed up
- Longitudinal elasticity approx. 110 %
- Transversal elasticity approx. 80 %
- colour: beige

PU = running metre

Width	Weight	Item-no.
950 mm	330 g/m²	63T46/H

Slight colour deviations are possible for technical production reasons.

„Elastinova-Tuellex" Webbing

Material
- 80 % polyamide (PA) + 20 % Elastan (EL)
- knit
- smooth open structure
- strong quality
- Longitudinal elasticity approx. 60 %
- special knit prevents from fraying out along the cut selvedge
- colour: beige

PU = running metre

Width	Colour	Item-No.
950 mm	peach	63T13/H

Slight colour deviations are possible for technical production reasons.

Textiles – Fabrics
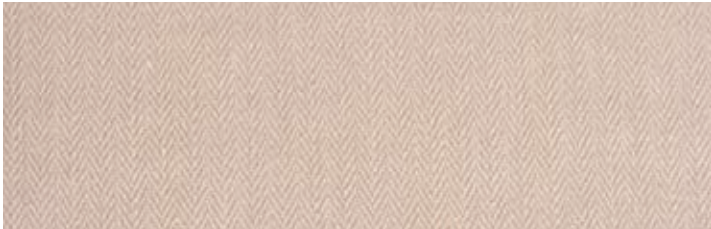
Drell, heavy

Material
- 100 % cotton (CO)
- woven und finished
- little-patterned, fine herringbone weave
- Residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	beige	320 g/m²	2T25/H

Slight colour deviations are possible for technical production reasons.
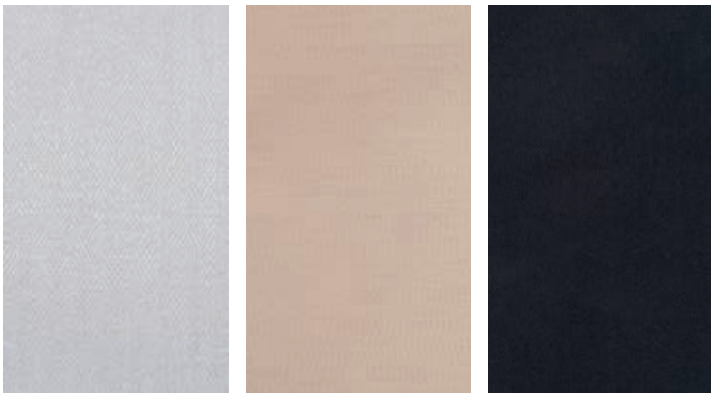
Drell, medium heavy

Material
- 100 % cotton (CO)
- woven und finished
- little-patterned, fine herringbone weave
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	white	280 g/m²	2T24/W
1400 mm	beige	280 g/m²	2T24/H
1400 mm	black	280 g/m²	2T24/S

Slight colour deviations are possible for technical production reasons.
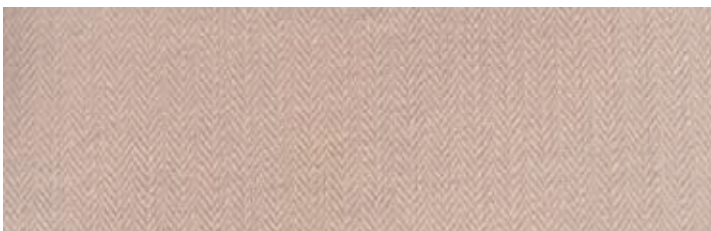
Drell Light weight

Material
- 100 % cotton (CO)
- woven und finished
- little-patterned, fine herringbone weave
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	beige	260 g/m²	2T23/H

Slight colour deviations are possible for technical production reasons.

Textiles – Fabrics

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

o.Abb.

Additional parts

for Drell heavy, medium heavy and light weight (2T25, 2T24 and 2T23)

Designation	Item-no.
Trim strap (double-folded) 20 mm, white, PU = 30 m	52T4/20W
Trim strap (double-folded) 20 mm, beige, PU = 30 m	52T4/20H
Trim strap (double-folded), 20 mm, black, PU = 30 m	52T4/20S
Trim strip, 22 mm, colour: beige, PU = 30 m	52T4/22H
Trim strap (double-folded) 25 mm, beige, PU = 30 m	52T4/25H
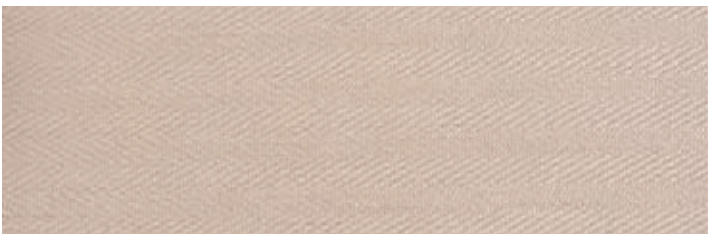
„Drell" Lining Cloth

Material
- 100 % cotton (CO)
- woven und finished
- little-patterned, fine herringbone weave
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	beige	220 g/mm²	2T22/H

Slight colour deviations are possible for technical production reasons.
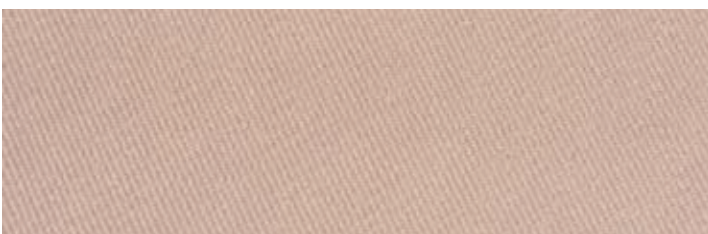
„Twill" Weave

Material
- 65 % polyester (PES) + 35 % cotton (CO)
- woven und finished
- Twill weave
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	beige	270 g/m²	2T26/H

Slight colour deviations are possible for technical production reasons.

o.Abb.

Additional parts

for Twill" Weave (2T26)

Designation	Item-no.
Trim strap (double-folded) 20 mm, beige, PU = 30 m	52T6/20

Textiles – Fabrics

Lining Cloth

Material
- 100 % cotton (CO)
- woven und finished
- Canvas weave
- light quality
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	white	140 g/m²	6T5/W
1400 mm	beige	140 g/m²	6T5/H
1400 mm	black	140 g/m²	6T5/S

Slight colour deviations are possible for technical production reasons.
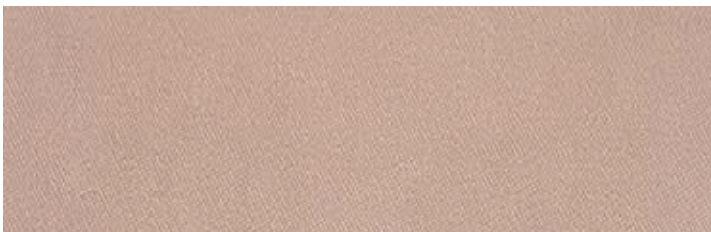
Diamond-Satin Cloth

Material
- 63 % Viscose (CV) + 37 % cotton (CO)
- woven und finished
- Twill weave
- medium-strong quality with slightly glossy surface
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	beige	305 g/m²	12T4/H

Slight colour deviations are possible for technical production reasons.

Additional parts

Diamond-Satin Cloth (12T4)

o.Abb.

Designation	Item-no.
Trim strap (double-folded) 20 mm, beige, PU = 30 m	12T4S/H
Trim strap (double-folded) 25 mm, beige, PU = 30 m	12T4S/25H
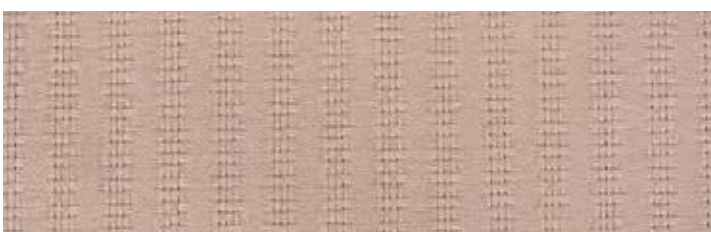
Weave for Abdominal Support

Material
- 100 % cotton (CO)
- woven und finished
- plain weave with striped look
- medium-heavy quality
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Textiles – Fabrics

Width	Colour	Weight	Item-no.
1400 mm	beige	270 g/m²	4T7/H

Slight colour deviations are possible for technical production reasons.

o.Abb.

Additional parts
for weave for Abdominal Support (4T7)

Designation	Item-no.
Trim strap (double-folded) 20 mm, beige, PU = 30 m	4T7S/H

Jacquard" Cloth "dots"

Material
- 80 % cotton (CO) + 20 % Viscose (CV)
- woven und finished
- Jacquard weave with dot pattern
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	white	320 g/m²	22T23/W
1400 mm	beige	320 g/m²	22T23/H
1400 mm	black	320 g/m²	22T23/S

Slight colour deviations are possible for technical production reasons.

o.Abb.

Additional parts
for Jacquard" Cloth "dots" (22T23)

Designation	Item-no.
Trim strap (double-folded) 20 mm, white, PU = 30 m	22T23S/W
Trim strap (double-folded) 20 mm, beige, PU = 30 m	22T23S/H
Trim strap (double-folded), 20 mm, black, PU = 30 m	22T23S/S

"Jacquard" Cloth "flowers"

Material
- 60 % cotton (CO) + 40 % Viscose (CV)
- woven und finished
- Jacquard weave with woven rose pattern
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Width	Colour	Weight	Item-no.
1400 mm	white	285 g/m^2	22T8/W
1400 mm	black	285 g/m^2	22T8/S

Slight colour deviations are possible for technical production reasons.

o.Abb.

Additional parts

for Jacquard" Cloth "flowers" (22T8)

Designation	Item-no.
Trim strap (double-folded) 20 mm, white, PU = 30 m	22T8S/W
Trim strap (double-folded), 20 mm, black, PU = 30 m	22T8S/S

Jacquard" Cloth "diamonds"

Material

- 55 % cotton (CO) + 45 % Viscose (CV)
- woven und finished
- jacquard weave with woven diamond pattern
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	beige	285 g/m^2	22T40/H

Slight colour deviations are possible for technical production reasons.

o.Abb.

Additional parts

for Jacquard" Cloth "diamonds" (22T40)

Designation	Item-no.
Trim strap (double-folded) 20 mm, beige, PU = 30 m	22T40S/H

Jacquard" Cloth "dots in two colours"

Material

- 80 % cotton (CO) + 20 % Viscose (CV)
- woven und finished
- jacquard weave with woven dot pattern in two colours (white/copper)
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	beige	320 g/m^2	22T76/H

Slight colour deviations are possible for technical production reasons.

Textiles – Fabrics

o.Abb.

Additional parts

for jacquard" Cloth "dots in two colours" (22T76)

Designation	Item-no.
Trim strap (double-folded), 20 mm, colour: beige, VE = 30 mm	22T76S/H

Jacquard" Cloth "squares"

Material
- 80 % cotton (CO) + 20 % Viscose (CV)
- woven und finished
- jacquard weave with woven diamond pattern in two colours (white/copper)
- residual shrinkage 5 – 6 %

PU = running metre, doubled

Width	Colour	Weight	Item-no.
1400 mm	beige	325 g/m²	22T78/H

Slight colour deviations are possible for technical production reasons.

Additional parts

for jacquard" Cloth "squares" (22T78)

Designation	Item-no.
Trim strap (double-folded) 20 mm, beige, PU = 30 m	22T78S/H

o.Abb.

Terry Cloth

Material
- 83 % cotton (CO) + 17 % polyester (PES)
- knit
- terry cloth with loops on one side, height approx. 1 mm
- light, soft quality
- stretchable

Recommendation
- iron on the bottom side

PU = running metre

Width	Colour	Weight	Item-no.
1500 mm	white	190 g/m²	9T2/W
1500 mm	beige	190 g/m²	9T2/H
1500 mm	dark blue	190 g/m²	9T2/B
1500 mm	light grey	190 g/m²	9T2/G

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Textiles – Fabrics

Pressed Cotton Fibre „Molton"

Material
- 100 % cotton (CO)
- woven
- roughed up on both sides
- medium-heavy, soft quality
- residual shrinkage approx. 10 %
- colour: white

PU = running metre, doubled

Width	Weight	Item-no.
1500 mm	230 g/m²	29T1/W

Slight colour deviations are possible for technical production reasons.
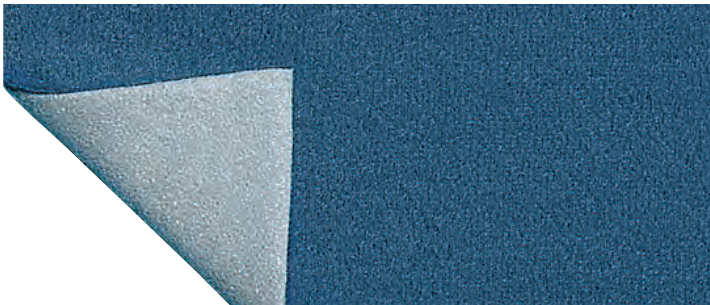
Soft foam with lamination on one side

Material
- Foam: 100 % PU-soft-foam (PUR)
- Front surface: suitable to cling to hook- and loop fasteners – 100 % polyamide (PA)
- Material height: approx. 5 mm
- Colour: blue

PU = running metre

Width	Weight	Item-no.
1450 mm	230 g/m²	49T5/BL

Rubber foam with lamination on both sides, white

Material
- Foam: 100 % PU-soft-foam (PUR)
- Front surface: suitable to cling to hook- and loop fasteners – 100 % polyamide (PA)
- Back surface: soft fleece – 100 % polyester (PES)
- Material height: approx. 5 mm
- colour: white

PU = running metre

Width	Weight	Item-no.
1450 mm	340 g/m²	49T9/W

Textiles – Fabrics

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Rubber foam with lamination on both sides, blue/grey

Material
- Foam: 100 % PU-soft-foam (PUR)
- Front surface: suitable to cling to hook- and loop fasteners – 100 % polyamide (PA)
- Back: absorbent towelling – 100 % cotton (CO)
- Material height: approx. 7 mm
- Colour: blue/grey

PU = running metre

Width	Weight	Item-no.
1500 mm	493 g/m²	49T6

Slight colour deviations are possible for technical production reasons.

Rubber foam with lamination on both sides, black/grey

Material
- Foam: 100 % PU-soft-foam (PUR)
- Front surface: suitable to cling to hook- and loop fasteners – 100 % polyamide (PA)
- Back: Terry cloth: 100 % cotton (CO)
- knit
- Material height: approx. 10 mm
- Colour: black/grey

PU = running metre

Width	Weight	Item-no.
1500 mm	700 g/m²	49T8

Slight colour deviations are possible for technical production reasons.

Lining Cloth for Seating Shells

Material
- Foam: 100 % PU-soft-foam (PUR)
- Front surface: suitable to cling to hook- and loop fasteners – 100 % polyamide (PA)
- Back: thin fabric – 100 % polyester (PES)
- knit
- Material height: approx. 2.5 mm
- Colour: black

PU = running metre

Width	Weight	Item-no.
1400 mm	300 g/m²	26T10

Textiles – Fabrics

Anti-Decubitus Fleece

Material
- 100 % polyester (PES)
- knit
- antistatic
- Nap height approx. 25 mm
- sterilizable up to 140 °C
- colour: white

PU = running metre

Width	Weight	Item-no.
1400 mm	1050 g/m²	26T1/W

Velours Double Sided

Material
- 73 % polyamide (PA) + 27 % polyurethane (PUR)
- knit
- tensile strength (not dilatable) in both directions
- both sides are compatible with hook fasteners
- permanent join through internal PUR coating
- heavy quality
- easy to cut and to punch
- Colour: black

PU = running metre

Width	Weight	Item-no.
1350 mm	700 g/m²	26T7/S

Velour Lining Cloth

Material
- 66 % cotton (CO) + 34 % polyester (PES)
- knit with included low nap
- soft, light quality
- stretchable
- colour: red

Recommendation
- iron on the bottom side

PU = running metre

Width	Weight	Item-no.
1550 mm	220 g/m²	26T20/R

Slight colour deviations are possible for technical production reasons.

Textiles – Fabrics

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Imitation Leather (Skai)

Material
- Imitation Leather (Skai)

Application
- ideally suited as classic covering material for examination tables and positioning aids

Characteristics
- bi-elastic
- with fabric lining
- flame retardant
- long-lived
- UV-resistant
- skin-friendly
- liquid-repellent
- tear-proof
- disinfectable

PU = running metre

Dimensions W x H	Colour	Item-no.
approx. 1400 mm x 0.9 mm	blue	110P10/B
approx. 1400 mm x 0.9 mm	beige	110P10/BG
approx. 1400 mm x 0.9 mm	brown	110P10/BR
approx. 1400 mm x 0.9 mm	grey	110P10/G
approx. 1400 mm x 0.9 mm	black	110P10/S
approx. 1400 mm x 0.9 mm	white	110P10/W

Plastic Sheeting

Material
- truck canvas

Application
- ideally suited for seat and back rest lining

Characteristics
- extremely durable
- incontinence-resistant
- washable
- sewable

PU = running metre

Dimensions W x H	Colour	Item-no.
approx. 2500 mm x 0.5 mm	white	110P17/W
approx. 2500 mm x 0.5 mm	red	110P17/RO
approx. 2500 mm x 0.5 mm	black	110P17/S

„Synton" Polyester Thread

Material
- 100 % polyester multi-filament twisted yarn
- brilliant fibre type
- high tear- and abrasion resistance

PU = 1 kingspool roll (600 m, 900 m or 1800 m)

Colour	Length	Designation	Recommen-dation needle strength Nm	Item-no.
white	600 m	Serafil no. 20	120-140	91T9/20W
beige	600 m	Serafil no. 20	120-140	91T9/20H
black	600 m	Serafil no. 20	120-140	91T9/20S
white	900 m	Serafil no. 30	110-130	91T9/30W
beige	900 m	Serafil no. 30	110-130	91T9/30H
gold	900 m	Serafil no. 30	110-130	91T9/30GO
brown	900 m	Serafil no. 30	110-130	91T9/30BR
blue	900 m	Serafil no. 30	110-130	91T9/30BL
black	900 m	Serafil no. 30	110-130	91T9/30S
white	1800 m	Serafil no. 60	80-100	91T9/60W
beige	1800 m	Serafil no. 60	80-100	91T9/60H
black	1800 m	Serafil no. 60	80-100	91T9/60S

Recommendation

Serafil No. 20: Thicker thread size for especially heavy-weight material and thicker leather.

Serafil No. 30: Medium thread suitable for shoes, cushionings, leather and technical fabrics.

Serafil No. 60: Fine thread size for gloves, shoes, cushionings, zippers and multi-needle quilting.

Polyester/Cotton Thread

Material
- 70 % polyester (PES) + 30 % cotton (CO)
- polyester yarn braided with cotton

PU = cone (2750 m or 5000 m) or crosswinding (1000 m)

Colour	Length	Designation	Recom-men-dation needle strength Nm	Item-no.
white	2750 m	Rasant 25/3	130-160	91T7/25W
beige	2750 m	Rasant 25/3	130-160	91T7/25H

Textiles – Yarns

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

medium blue	2750 m	Rasant 25/3	130-160	91T7/25B
black	2750 m	Rasant 25/3	130-160	91T7/25S
red	2750 m	Rasant 25/3	130-160	91T7/25R
golden	2750 m	Rasant 25/3	130-160	91T7/25GB
dark brown	2750 m	Rasant 25/3	130-160	91T7/25BR
medium grey	2750 m	Rasant 25/3	130-160	91T7/25G
white	1000 m	Rasant 50/3	100-110	91T7/50W
beige	1000 m	Rasant 50/3	100-110	91T7/50H
medium blue	1000 m	Rasant 50/3	100-110	91T7/50B
black	1000 m	Rasant 50/3	100-110	91T7/50S
golden	1000 m	Rasant 50/3	100-110	91T7/50GB
dark brown	1000 m	Rasant 50/3	100-110	91T7/50BR
medium grey	1000 m	Rasant 50/3	100-110	91T7/50G
raw (natural colour)	1000 m	Rasant 50/3	100-110	91T7/50ROH
white	5000 m	Rasant 50/3	100-110	91T7/50WC
beige	5000 m	Rasant 50/3	100-110	91T7/50HC
white	1000 m	Rasant 75/2	90-100	91T7/75W
beige	1000 m	Rasant 75/2	90-100	91T7/75H
light brown	1000 m	Rasant 75/2	90-100	91T7/75HB
medium blue	1000 m	Rasant 75/2	90-100	91T7/75B
black	1000 m	Rasant 75/2	90-100	91T7/75S
red	1000 m	Rasant 75/2	90-100	91T7/75R
golden	1000 m	Rasant 75/2	90-100	91T7/75GB
dark brown	1000 m	Rasant 75/2	90-100	91T7/75BR
medium grey	1000 m	Rasant 75/2	90-100	91T7/75G
raw (natural colour)	1000 m	Rasant 75/2	90-100	91T7/75ROH
white	5000 m	Rasant 75/2	90-100	91T7/75WC
beige	5000 m	Rasant 75/2	90-100	91T7/75HC

Recommendation

Rasant 25/3: Thicker thread size, for highly stressed and decorative seams on leather, heavy duty fabric, for example tents and tarpaulin.

Rasant 50/3: Medium thread thickness, suitable for highly stressed seams on leather, denim and cushions.

Rasant 75/2: Finer thread size for example for clothing, mattresses, cushions, quilts. Also suitable for upper threads for embroidery.

Textiles – Yarns

Cotton Yarn „Kette" 40/3

Material
- 100 % cotton mercerized, long staple
- firm, brilliant fibre type

PU = crosswinding spool (500 m)

Colour	Length	Designation	Recommen-dation needle strength Nm	Item-no.
beige	500 m	Cotton Yarn „Kette" 40/3	90-100	91T14/1H

Suitable for clothing, articles of corsetry, underwear and household textiles.

Waxed Linen Thread for Saddle-Machines

Material
- 100 % linen, starched
- firm, smooth, brilliant fibre type

PU = crosswinding spool (440 m, 650 m or 880 m)

Colour	Length	Designation	Recommen-dation Needle strength Nm	Item-No.
raw grey	P880 m	18/3	150-170	96T2/3RH
yellow	P880 m	18/3	150-170	96T2/3GB
raw grey	650 m	18/4	180-200	96T2/4RH
yellow	650 m	18/4	180-200	96T2/4GB
brown	650 m	18/4	180-200	96T2/4BR
raw grey	440 m	18/6	210-230	96T2/6RH
yellow	440 m	18/6	210-230	96T2/6GB

Recommendation

Waxed machine yarn 18/3: Thick thread for heavy materials, felt and leather. Also for decorative sewing, broadcloth-seams and backstitch-seams.

Waxed machine yarn 18/4: extra thick thread.

Waxed machine yarn 18/6: thread twice as thick than18/3.

Linen Thread for Sewing Machines

Material
- 100 % linen, starched
- firm, brilliant fibre type

PU = 1 plastic roll (290 m, or 540 m)

Textiles – Yarns

Colour	Length	Designation	Recommendation needle strength Nm	Item-No.
raw grey	290 m	30/3	110-130	97T2/30RH
raw grey	540 m	60/3	80-100	97T2/60RH

Recommendation:

Sewing machine thread 30/3: Medium thread size.

Sewing machine thread 60/3:

Twice fine thread size.

Tying Cord

Material
- 100 % natural fibres (flax, hemp)
- colour: beige-grey

PU = 1 roll

Roll	Item-No.
160 g	99T3

Textiles – Corsetry accessories
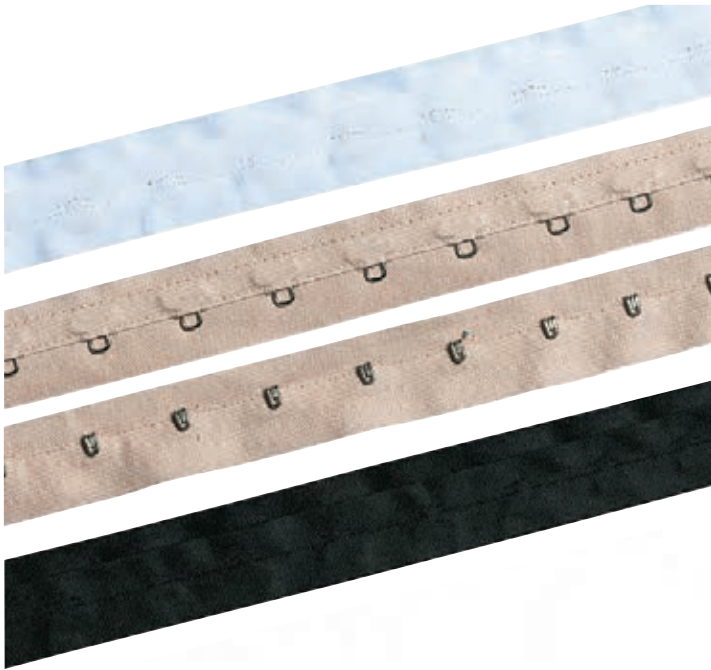
Hook and Loop Strap

Material
- 100 % cotton (CO)
- hooks and loops: spring steel wire coated with polyamide (nickel-free)
- woven
- simple Version with sewed in hooks and loops
- Distance: approx. 30 mm

PU = roll of 10/25 m

Width	Version	Colour	Item-no.
29 mm	Hook strap	white	60T4H/W
29 mm	Hook strap	beige	60T4H/H
29 mm	Hook strap	black	60T4H/S
29 mm	Eye strap	white	60T4A/W
29 mm	Eye strap	beige	60T4A/H
29 mm	Eye strap	black	60T4A/S

Slight colour deviations are possible for technical production reasons.
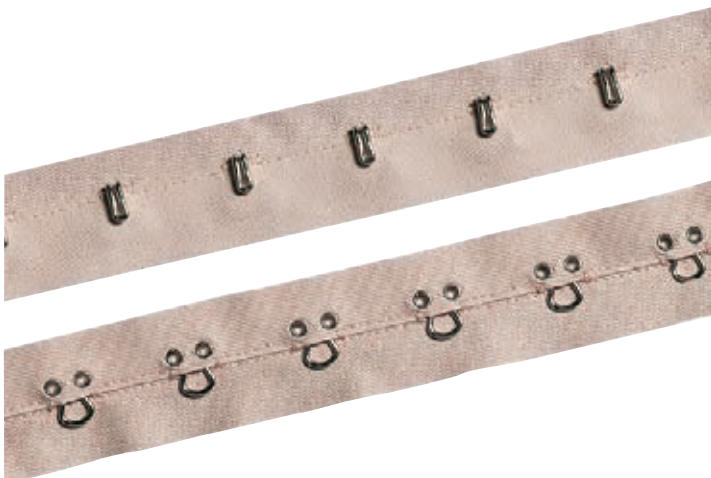
Hook and Loop Strap riveted

Material
- 100 % cotton (CO)
- hooks and loops: spring steel wire, brass, miralloy coating (nickel-free)
- woven
- heavy Version with big riveted hooks and loops
- Distance: approx. 30 mm
- colour: beige

PU = roll of 10/25 m

Width	Version	Item-no.
29 mm	Hook strap	60T8H/H
29 mm	Eye strap	60T8A/H

Slight colour deviations are possible for technical production reasons.

Hook and Loop Strap double row

Material
- 100 % cotton (CO)
- hooks and loops: spring steel wire coated with polyamide (nickel-free)
- woven
- simple Version with sewed in hooks and loops
- Distance: approx. 30 mm
- loop strap with two rows and plush/velvet base
- plush with one open back side

Textiles – Corsetry accessories

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

PU = roll of 10/25 m

Width	Version	Colour	Item-no.
25 mm	Hook strap	beige	60T19H/H
25 mm	Hook strap	black	60T19H/S
25 mm	Eye strap	white	60T19A/W
25 mm	Eye strap	beige	60T19A/H
25 mm	Eye strap	black	60T19A/S

Slight colour deviations are possible for technical production reasons.

Eyelet Strap

Material
- 100 % cotton (CO)
- eyelets: spring steel wire, brass, miralloy coating (nickel-free)
- woven
- herringbone weave
- colour: beige

PU = Roll 25m each

Width	Item-no.
20 mm	60T13/H

Slight colour deviations are possible for technical production reasons.

Corset Webbing Strap

Material
- 100 % cotton (CO)
- brushed surface
- woven with firm edge
- colour: beige

PU = Roll 25m each

Width	Item-No.
21 mm	89T7/21H

Slight colour deviations are possible for technical production reasons.

Corset Webbing Pre-cuts

Material
- 100 % cotton (CO)
- brushed surface
- punched edges with zigzag selvedge, respectively scallop
- colour: beige

PU = 100 pcs

Width	Length	Item-no.
21 mm	30 mm	90T3/21H

Slight colour deviations are possible for technical production reasons.

Lacing Strap

Material
- 100 % polyamide (PA) or 100 % cotton (CO)
- Tubular braid

PU = roll of 100 m

Width	Colour	Material	Item-no.
4 mm	white	Polyamide	76T8/W
4 mm	beige	Polyamide	76T8/H
4 mm	black	Polyamide	76T8/S
6 mm	white	Cotton	76T16/W
6 mm	beige	Cotton	76T16/H
6 mm	black	Cotton	76T16/S
8 mm	white	Cotton	76T7/W
8 mm	beige	Cotton	76T7/H
8 mm	black	Cotton	76T7/S

Buckle

Material
- made of spring band steel with plastic coating
- colour: white

PU = 1 pc.

Length	Item-no.
200 mm	56P3/20
220 mm	56P3/22

Textiles – Corsetry accessories

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Spiral Coil with Metal Caps

Material
- steel wire zinc-plated
- Material strength: approx. 0.9 mm

Characteristics
- enables sideways movement transversely to spring direction
- Zinc-plating protects from corrosion

PU = bunch of 30 pcs

Dimensions L x W	Item-no.
100 mm x 11 mm	50P11/10
120 mm x 11 mm	50P11/12
140 mm x 11 mm	50P11/14
160 mm x 11 mm	50P11/16
180 mm x 11 mm	50P11/18
200 mm x 11 mm	50P11/20
220 mm x 11 mm	50P11/22
240 mm x 11 mm	50P11/24
260 mm x 11 mm	50P11/26
280 mm x 11 mm	50P11/28
300 mm x 11 mm	50P11/30
320 mm x 11 mm	50P11/32
340 mm x 11 mm	50P11/34
360 mm x 11 mm	50P11/36
380 mm x 11 mm	50P11/38
400 mm x 11 mm	50P11/40
420 mm x 11 mm	50P11/42
440 mm x 11 mm	50P11/44
460 mm x 11 mm	50P11/46
480 mm x 11 mm	50P11/48

o.Abb.

Spare parts
for 50P11, 50P22

Designation	Item-no.
Cap for spiral spring, 11 mm, metal, approx. 580 pieces	53P3/11
Cap for spiral spring, 11 mm, plastic, approx. 50/100 pieces	57P6

Textiles – Corsetry accessories

Flat Coil Strip „Cellon"

Material
- coated spring steel strip (Stainless steel)
- spring ends are plastic coated
- Material thickness: approx. 0.5 mm
- colour: white

Characteristics
- the cellon spring is corrosion-proof and swear-resistant due to the coating

PU = bunch of 30 pcs

Dimensions L x W	Item-no.
400 mm x 7 mm	53P7/40W
420 mm x 7 mm	53P7/42W
440 mm x 7 mm	53P7/44W
460 mm x 7 mm	53P7/46W
500 mm x 7 mm	53P7/50W

Flat Coil Strip „Cellon"

Material
- coated spring steel strip (Stainless steel)
- spring ends are plastic coated
- Material thickness: approx. 0.4 mm
- colour: white

Characteristics
- the cellon spring is corrosion-proof and swear-resistant due to the coating

PU = bunch of 30 pcs

Dimensions L x W	Item-no.
80 mm x 12 mm	53P12/8W
100 mm x 12 mm	53P12/10W
120 mm x 12 mm	53P12/12W
140 mm x 12 mm	53P12/14W
160 mm x 12 mm	53P12/16W
180 mm x 12 mm	53P12/18W
200 mm x 12 mm	53P12/20W
220 mm x 12 mm	53P12/22W
240 mm x 12 mm	53P12/24W
260 mm x 12 mm	53P12/26W
280 mm x 12 mm	53P12/28W
300 mm x 12 mm	53P12/30W

Textiles – Corsetry accessories

320 mm x 12 mm	53P12/32W
340 mm x 12 mm	53P12/34W
360 mm x 12 mm	53P12/36W
380 mm x 12 mm	53P12/38W
400 mm x 12 mm	53P12/40W
420 mm x 12 mm	53P12/42W
440 mm x 12 mm	53P12/44W
460 mm x 12 mm	53P12/46W
480 mm x 12 mm	53P12/48W
500 mm x 12 mm	53P12/50W

Spare parts

for cellon spring 53P7, 53P12

Designation	Item-no.
Metal cap for Cellon spring 53P7, 7 mm, approx. 2800 pieces	57P4/7
Metal cap for Cellon spring 53P12, 13 mm, 1000 pieces	57P7

Spring Steel Strip „Wigona"

strong Version

Material
- coated spring steel strip (Stainless steel)
- spring ends are plastic coated
- Material thickness: approx. 1.2 mm
- colour: white

Characteristics
- the cellon spring is corrosion-proof and swear-resistant due to the coating

PU = 1 pc.

Dimensions L x W	Item-no.
120 mm x 15 mm	51P1/12
140 mm x 15 mm	51P1/14
160 mm x 15 mm	51P1/16
180 mm x 15 mm	51P1/18
200 mm x 15 mm	51P1/20
220 mm x 15 mm	51P1/22
240 mm x 15 mm	51P1/24
260 mm x 15 mm	51P1/26
280 mm x 15 mm	51P1/28
300 mm x 15 mm	51P1/30
320 mm x 15 mm	51P1/32

340 mm x 15 mm	51P1/34
360 mm x 15 mm	51P1/36
380 mm x 15 mm	51P1/38
400 mm x 15 mm	51P1/40
420 mm x 15 mm	51P1/42
440 mm x 15 mm	51P1/44
460 mm x 15 mm	51P1/46
480 mm x 15 mm	51P1/48

Steel Spiral Strip, endless

Material
- steel wire zinc-plated

Characteristics
- enables sideways movement transversely to spring direction
- Zinc-plating protects from corrosion

PU = 1 roll

Dimensions m/kg x B	Roll	Item-no.
approx. 35 m x 5 mm	approx. 2.0 kg	50P5E
approx. 28 m x 7 mm	approx. 2.0 kg	50P7E

„Desira" Plastic Strap, endless

Material
- 3-5 monofilaments coated with synthetic (the bar can be sewn on between the sections)

Characteristics
- resistant against cleaners, salts, body fluids and embrittling
- permanent spring- and restoring force
- cannot break or chip
- sewable

PU = 100 metre roll in dispenser box

Length x width x strength	Item-no.
100 m x 5 mm x 1.2 mm	52P15E
100 m x 11 mm x 1.75 mm	52P21E

Textiles – Corsetry accessories
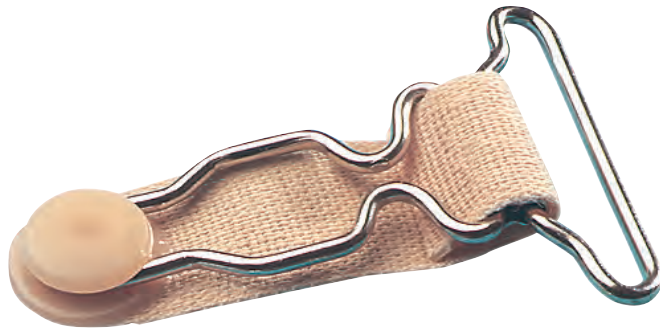
Suspender Buckle „Velvet"

Material
- metal holder: with nickel-free coating
- flat head: 100 % polyethylene (PE)
- Cotton strap: 100 % cotton (CO)
- Length: 55 mm
- colour: beige

PU = 50 pieces

Opening	Item-no.
20 mm	45P20/20H
30 mm	45P20/30H

o.Abb.

Spare parts

for Suspender Buckle „Velvet (45P20)

Designation	Item-no.
Cotton strap, 55 mm x 15 mm, colour: beige, PU = 50 pieces	46P5/H
Cotton strap, 55 mm x 15 mm, colour: beige, PU = 50 pieces	46P5/W

2-Point EVA foam insole

Material
- Base layer: ethylene Vinyl acetate (EVA), 40-45 Shore A, colour: silver grey
- Top layer: ethylene Vinyl acetate (EVA), 20-25 Shore A, Colour: blue, perforated

Characteristics
- cup-type design, double layer
- with metatarsal pad
- shock absorption for heels, ball of the foot and toes
- sizes: 34-48
- Weight level: 60-80 kg

PU = 1 pair

Version	Item-No.
cup-type design	105P36/GR

Please indicate size when ordering!

2-Point EVA Foam Insole

Material
- Base layer: ethylene Vinyl acetate (EVA), 40-45 Shore A, colour: silver grey
- Top layer 60-80 kg: ethylene Vinyl acetate (EVA), perforated, 20-25 Shore A, Colour: blue
- Top layer > 80 kg: ethylene Vinyl acetate (EVA), perforated, 30-35 Shore A, colour: red

Characteristics
- flat cup-type design, double layer
- with metatarsal pad
- with shock absorption for heels, ball of the foot and toes
- sizes: 34-48

PU = 1 pair

105P22

Version	Weight level	Item-no.
flat cup-type design	60 – 80 kg	105P22/GR
flat cup-type design	over 80 kg	105P23/GR

Please indicate size when ordering!

105P23

Insole Technology – Foam insole

EVA Foam Insole single layer

Material
- ethylene Vinyl acetate (EVA)
- approx. 20-25 Shore A
- Colour: blue

Characteristics
- flat cup design, single-layer
- without metatasal pad
- sizes (GR): 36-48

PU = 1 pair

Version	Item-no.
flat cup-type design	105P101/GR

Please indicate size when ordering!

EVA Foam Insole double layer

Material
- Base layer: ethylene Vinyl acetate (EVA), Volume weight: approx. 100 kg/m^3, colour: white
- Top layer: ethylene Vinyl acetate (EVA), Approx. 40-45 Shore A, perforated, Colour: blue

Characteristics
- cup-type design, double layer
- with metatarsal pad
- sizes: 34-48

PU = 1 pair

Version	Item-No.
cup-type design	105P105/GR

Please indicate size when ordering!

Insole Technology – Top cover fabric

April 2023

Lai Porellina

Material
- 51 % Viscose (CV) + 49 % polyurethane (PUR)
- imitation leather with embossed perforated look

Application
- covering fabric for insoles

Characteristics
- high light fastness
- high abrasion resistance
- colourfast
- bonds well with contact glues (e.g. Ortec special glue item-no. 118P18)

PU = 50 metres per roll

Width	Colour	Item-no.
110 mm	blue	110P7/B
110 mm	beige	110P7/H
110 mm	black	110P7/S

X-Static

Material
- Textile cover with silver fibre
- Base thinly coated with polyurethane (PUR)

Application
- Covering fabric for insoles, also suitable for diabetics

Characteristics
- anti-microbiotic and therefore anti-inflammatory
- fungicide
- Fights odour-causing bacteria
- Adhesive does not penetrate

PU = Roll 20m each

Width	Colour	Item-no.
110 mm	blue	110P34/B
110 mm	beige	110P34/BG
110 mm	black	110P34/S

Insole Technology – Top cover fabric

Synthetics
Cushioning Materials
Laminating Technology
Prepreg Technology
Silicone Technology
Adhesive technology
Forming Technology
Small parts
Textiles
Insole Technology
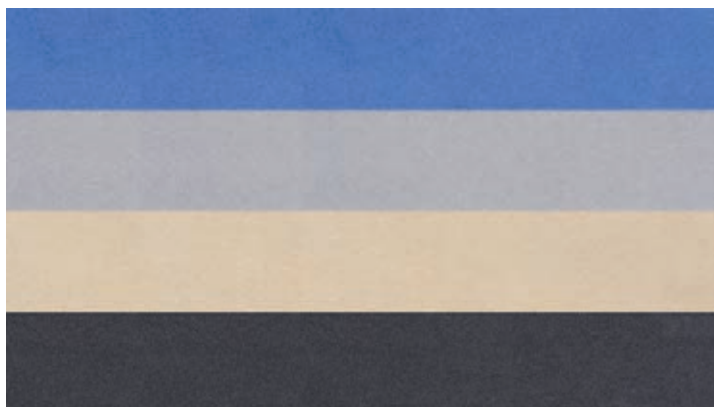
Microfibre Velours

Material
- 92 % polyester (PES) + 8 % polyurethane (PUR)

Application
- covering fabric for insoles
- alternative for alcantara

Characteristics
- tear-resistant
- breathable
- colourfast
- bonds well with contact glues (e.g. Ortec special glue item-no. 118P18)

PU = running metre

Dimensions W x H	Colour	Item-no.
approx. 1380 mm x 0.6 mm	blue	110P113/B
approx. 1380 mm x 0.6 mm	grey	110P113/G
approx. 1380 mm x 0.6 mm	beige	110P113/H
approx. 1380 mm x 0.6 mm	black	110P113/S
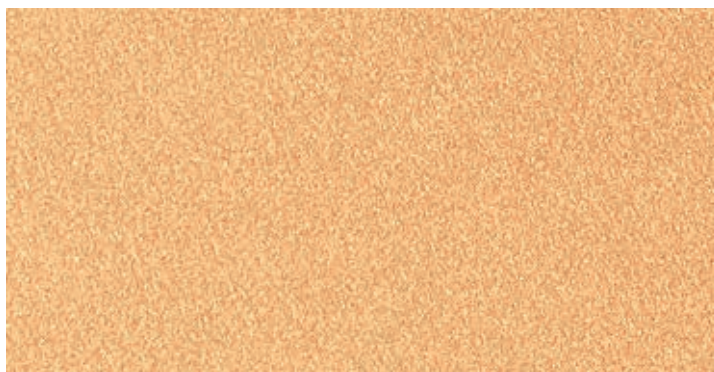
Heel Lining „Viledon"

Material
- 60 % polyester (PES) + 40 % polyurethane (PUR)
- colour: light brown

Application
- covering fabric for insole bottoms

Characteristics
- tear-resistant
- breathable
- colourfast
- bonds well with contact glues (e.g. Ortec special glue item-no. 118P18)

PU = running metre

Dimensions W x H	Item-no.
approx. 1500 mm x 0.7 mm	110P15

Insole Technology – Insole production materials

Metatarsal Pad, Foam Rubber 3445

drop-shaped pads

Material
- synthetic latex foam
- approx. 50 Shore 00

Characteristics
- air-permeable
- dynamic permanently resilient
- high restoring force
- well grindable and bondable

PU = 50 pieces

Size	Dimensions L x W x H	Item-no.
3445-1	48 mm x 35 mm x 7.4 mm	190P1/1
3445-2	52 mm x 38 mm x 7.9 mm	190P1/2
3445-3	56 mm x 40 mm x 9.5 mm	190P1/3
3445-4	60 mm x 43 mm x 9.7 mm	190P1/4
3445-5	62 mm x 45 mm x 10.2 mm	190P1/5

Metatarsal Pad, Foam Rubber 2031

heart-shaped pads

Material
- synthetic foam with active carbon
- approx. 40-50 Shore 00

Characteristics
- antifungal and antibacterial effect
- steam permeable
- dimensionally stable and skin-friendly

PU = 50 pieces

Size	Dimensions L x W x H	Item-no.
2031-1	45 mm x 35 mm x 6 mm	191P5/1
2031-2	50 mm x 38 mm x 7 mm	191P5/2
2031-3	60 mm x 40 mm x 8 mm	191P5/3

Insole Technology – Insole production materials

Metatarsal Pad, Foam Rubber 2057

drop-shaped pads

Material
- synthetic foam with active carbon
- approx. 40-50 Shore 00

Characteristics
- antifungal and antibacterial effect
- steam permeable
- dimensionally stable and skin-friendly

PU = 50 pieces

Size	Dimensions L x W x H	Item-no.
2057-1	45 mm x 35 mm x 6 mm	191P55/1
2057-2	50 mm x 38 mm x 7 mm	191P55/2
2057-3	60 mm x 40 mm x 8 mm	191P55/3

Metatarsal Pad, Foam Rubber 2030

heart-shaped pads

Material
- synthetic foam with active carbon
- approx. 40-50 Shore 00

Characteristics
- antifungal and antibacterial effect
- steam permeable
- dimensionally stable and skin-friendly

PU = 50 pieces

Size	Dimensions L x W x H	Item-no.
2030-1	55 mm x 40 mm x 6 mm	191P56/1

Insole Technology – Insole production materials
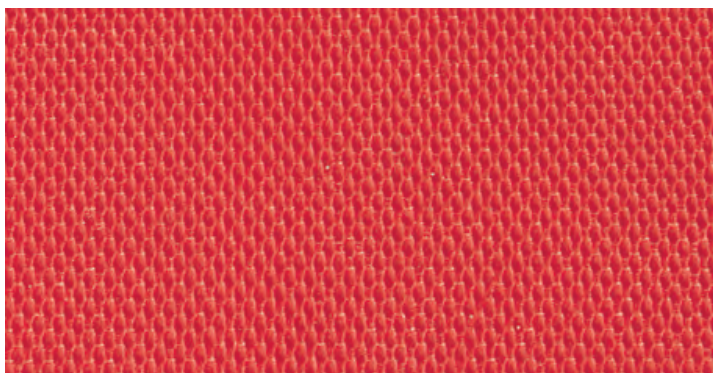
Structured Rubber Sheet

Material
- Natural rubber on a fabric base
- colour: red

Application
- ideally suited for shock protection and slip reduction for insoles

Characteristics
- with fabric base for better bonding
- extremely abrasion-proof
- durable

Dimensions L x W x H	Item-no.
1000 mm x 1000 mm x 1 mm	135P4/R

Cork sheet Orthoflex, fine

Material
- Cork-compact sheets

Application
- for insoles and embeddings
- ideally suited for height adjustments, shoe last modifications and Volume adjustments of prosthetic sockets

Characteristics
- light weight
- bendable
- well grindable
- good bonding characteristics with contact adhesives, for example Listra Top Adhesive (Item-no. 118P17)

Dimensions L x W x H	Item-no.
1000 mm x 500 mm x 2 mm	148P4/2
1000 mm x 500 mm x 3 mm	148P4/3
1000 mm x 500 mm x 4 mm	148P4/4
1000 mm x 500 mm x 5 mm	148P4/5
1000 mm x 500 mm x 6 mm	148P4/6
1000 mm x 500 mm x 8 mm	148P4/8
1000 mm x 500 mm x 10 mm	148P4/10

Multicork

Material
- EVA cork-scrap sheets

Application
- for insoles and embeddings
- ideally suited for shoe last modifications

Insole Technology – Insole production materials

Synthetics

Cushioning Materials

Laminating Technology

Prepreg Technology

Silicone Technology

Adhesive technology

Forming Technology

Small parts

Textiles

Insole Technology

Characteristics
- light weight
- high density
- thermoplastic
- approx. 60 Shore A
- Mouldable at approx. 130 °C
- good bonding characteristics with contact adhesives, for example Listra Top Adhesive (Item-no. 118P17)

Dimensions L x W x H	Item-no.
1140 mm x 860 mm x 4 mm	148P5/4
1140 mm x 860 mm x 6 mm	148P5/6
1140 mm x 860 mm x 8 mm	148P5/8
1140 mm x 860 mm x 10 mm	148P5/10
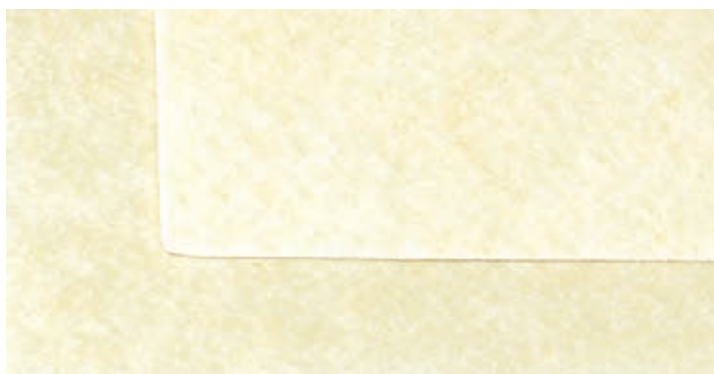
THK-Reinforcing Material

Material
- thermoplastic reinforcement material
- Colour: off-white

Application
- ideally suited for reinforcement for insoles, toe- and heel caps, shoe uppers

Characteristics
- adhesive on one side
- skin-friendly
- sweat-resistant
- bonds with the base material during thermal deformation
- Mouldable at approx. 90-140 °C

Dimensions L x W x H	Item-no.
1400 mm x 1000 mm x 1.25-1.35 mm	111P43
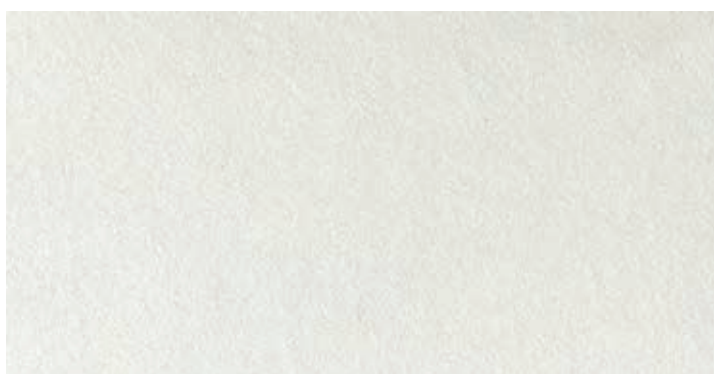
Thermo-Flex Reinforcing Fabric

Material
- thermoplastic composite material
- colour: white

Application
- ideally suited for reinforcement for insoles, toe- and heel caps, shoe uppers

Characteristics
- mouldable at approx. 90-110 °C

Dimensions L x W x H	Item-no.
1400 mm x 1000 mm x 0.95 mm	111P12

Fitting & care area

Examination Couch

- with white imitation leather
- upholstery, D = 50 mm
- head section adjustable +40°
- with paper roll holder

Technical data

- Dimensions B x T x H: 1950 x 650 x 680 mm
- up to 225 kg body weight
- Weight: 34 kg

	Item-No.
	140M5

Additional parts

for 140M5

Designation	Item-no.
Lounger cover for roll-up dispenser, 500 mm wide, 45 m long, PU = 9 rolls	570P4/50

Examination Chair

- examination chair, platform step and holding bar mountable on left or right side
- padded seat and backrest with synthetic cover

Technical data

- Working and platform height: 460 mm
- Total height incl. back rest: 1250 mm
- Width including step: 800 mm
- Width without step: 600 mm
- Total width: 1000 mm

Colours

- Steel frame: opal green RAL 6026, ocean blue RAL 5020, grey brown RAL 8019, light green RAL 6027, white aluminium RAL 9006, black RAL 9005
- Foam leatherette covers: bengal, fir green, pearl grey, white, ocean blue, black
- Plastic-coated boards: white, light grey, textured, beige

Delivery without accessories

Version	Weight	Item-no.
without drawer	37 kg	140M8/1

When placing your order, please indicate the desired colours and the side where the steps and the handrails should be placed.

Fitting & care area

Swivel Stool

- stool white imitation leather
- cover aluminum star base
- height adjustable 450 – 590 mm
- with step rollers

Weight	Item-No.
9 kg	140M6

Parallel Bars

- adjustable in height from 780 - 1040 mm, with hole raster system
- walking trail width adjustable by shifting axis 360 – 870 mm
- Laminated wood floor covered with resistant, non-slip covering
- max. patient weight: max. 140 kg
- Not waterproof, for indoor installation

Length	Weight	Item-no.
2500 mm	57.5 kg	145M3/S

Deviating lengths and Versions as well as Versions with ground anchorage available upon request!

145M3

Casting Apparatus with Baseplate

- for plaster casting under body load incl. base plate 145M21 and one casting ring set 145M22/S
- mobile use with transport castors and -handle
- space saving due to built-in folding mechanism
- quick-adjustment lever provides even easier height settings of the casting apparatus in seconds
- high quality, sturdy choice of material
- exact adjustment options by means of crank handle

Technical data
- space required: 2000 x 2000 mm
- dimensions W x D x H: 900 x 600 x 1120 mm

	Item-No.
	145M20

The firmly mounted transport castors and -handle allow mobile use of the device by simply pulling or pushing it effortless to the requested location. Due to the integrated folding mechanism, the device can be stowed away or transported in a Vehicle easily.

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com-pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Fitting & care area

o.Abb.

Spare parts
for 145M20

Designation	Item-no.
Base plate	145M21

Additional parts
for 145M20

Designation	Item-no.
Top plate, incl. 2 pressure wedges	145M23
Pressure wedge	145M24
Holding device for thigh plaster cast removal	145M30

145M23   145M24   145M30

Plaster Casting Apparatus with Baseplate and Supporting Device for AK-Plaster Casting
Complete set

- complete set with items 145M20 and 145M30
- enables the manufacture of thigh plaster negative casts with ischial containment thigh form rings under body load
- very well suited for patients with limited standing abilities
- mobile use with transport castors and -handle
- space saving due to built-in folding mechanism
- quick-adjustment lever provides even easier height settings of the casting apparatus in seconds
- high quality, sturdy choice of material
- exact adjustment options by means of crank handle

Technical data
- work space requirements: 2000 mm x 2000 mm
- dimensions W x D x H: 900 mm x 600 mm x 1120 mm

	Item-No.
	145M40

The firmly mounted transport castors and -handle allow mobile use of the device by simply pulling or pushing it effortless to the requested location. Due to the integrated folding mechanism, the device can be stowed away or transported in a Vehicle easily.

Scope of supply does not include AK Form Ring

Fitting & care area

AK Casting Ring Set

- version „ischial containment", with receiving hole for an AK-trial-measuring-system

Side	Circumference	Item-no.
left	36 cm	165P20/L36
right	36 cm	165P20/R36
left	37 cm	165P20/L37
right	37 cm	165P20/R37
left	38 cm	165P20/L38
right	38 cm	165P20/R38
left	39 cm	165P20/L39
right	39 cm	165P20/R39
left	40 cm	165P20/L40
right	40 cm	165P20/R40
left	41 cm	165P20/L41
right	41 cm	165P20/R41
left	42 cm	165P20/L42
right	42 cm	165P20/R42
left	43 cm	165P20/L43
right	43 cm	165P20/R43
left	44 cm	165P20/L44
right	44 cm	165P20/R44
left	45 cm	165P20/L45
right	45 cm	165P20/R45
left	46 cm	165P20/L46
right	46 cm	165P20/R46
left	47 cm	165P20/L47
right	47 cm	165P20/R47
left	48 cm	165P20/L48
right	48 cm	165P20/R48
left	49 cm	165P20/L49
right	49 cm	165P20/R49
left	50 cm	165P20/L50
right	50 cm	165P20/R50
left	52 cm	165P20/L52
right	52 cm	165P20/R52
left	54 cm	165P20/L54
right	54 cm	165P20/R54
left	56 cm	165P20/L56
right	56 cm	165P20/R56
left	58 cm	165P20/L58
right	58 cm	165P20/R58
left	60 cm	165P20/L60

right	60 cm	165P20/R60
left	62 cm	165P20/L62
right	62 cm	165P20/R62
left	64 cm	165P20/L64
right	64 cm	165P20/R64

AK Casting Ring Set (continuation)

- Set left und right
- 44 pieces all sizes

	Item-no.
	165P20/S

This technique guarantees a secure fixation of form rings for casting or for measuring the stump.

Plaster Bandage Trolley

- mobile steel cabinet with 2 drawers, 2 swing doors and 1 adjustable built-in shelf, push handle, 4 guide rollers Ø 125 mm, 4 rubber wall bumpers and seamless table top with 3-sided gallery

W x D x H	Weight	Item-No.
630 x 580 x 930 mm	62 kg	151M6/63
930 x 580 x 1080 mm	74 kg	151M6/93

Abb. ähnlich

Foot Measuring Device „Heider"

- material: impact-proof polystyrene
- scale: from 18 to 47 and from 2 to 12

Length	Item-No.
335 mm	163P5

Podotrack

Application
- patented imprinting measurement chart for quick foot pressure analysis
- imprinting measurement chart for early detection of foot pressure problems, such as for example flat-, splay-, hollow- or club feet, usable for diabetic or rheumatic foot syndrome
- for diagnostic documentation by specialists in the fields of orthopaedics, podiatry and sports science

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum
forming devices

Vacuum- & com-
pressed air technology

Hand power
tools

Tools

Storage
equipment

Protective
equipment

Characteristics

- Simple and hygienic use, transportable and can be used anywhere, for static and dynamic foot pressure analyses

PU = 100 pieces

Dimensions L x W	Item-No.
390 x 160 mm	98P8

Please follow the instruction manual!

Foot Imprint Device

Application

- for foot/blue print analysis
- for early detection of foot pressure problems, such as for example flat-, splay-, hollow- or club feet, usable for diabetic or rheumatic foot syndromes
- for diagnostic documentation by specialists in the fields of orthopaedics, podiatry and sports science

includes ink roller, ink, circumference marker, foot imprinting pad (100 sheets)

	Item-No.
	98P4

o.Abb.

Spare parts

for 98P4

Designation	Item-no.
Rubber grid plate, 420 x 235 x 2 mm	98P4/E
Paint roller	98P4/R
Footprint sheet, 380 x 165 mm, VE = 100 sheet	98P5
Footprint sheet, 400 x 140 mm, VE = 100 sheet	98P5/G
Stamp colour blue, 27 ml	210V41

Workstations

Work bench

Features
- bench top: 40 mm beech ply wood
- Handle bar with labelling strips
- 1 drawer, lockable
- 1/2 shelf level

Technical data
- dimensions W x D x H: 1500 x 700 x 840 mm
- Drawer height: 150 mm
- Drawer inside dimensions W x D: 490 x 560 mm
- Colour: RAL 7035 light grey
- Weight: approx. 72 kg

	Item-No.
	94M2

Work bench

Features
- bench top: 40 mm beech ply wood
- Handle bar with labelling strips
- 1/2 shelf level
- Central locking

Technical data
- dimensions W x D x H: 1500 x 700 x 840 mm
- swing door height (right): 360 mm
- drawer height (right): 180 mm
- Colour: RAL 7035 light grey
- weight: 86 kg net

	Item-No.
	93M4

Work table

Features
- bench top: 40 mm beech ply wood
- Handle bar with labelling strips
- Central locking

Technical data
- Dimensions W x D x H: 1500 x 700 x 840 mm
- Drawer inside dimensions W x D: 500 x 500 mm
- Drawer height: 90, 90, 90, 150, 150, 150 mm
- Colour: RAL 7035 light grey
- Weight: 107 kg

Other models and colours
available upon request!

	Item-No.
	93M7

Workstations

Work table

Features
- Bench top: 40 mm beech ply wood
- Handle bar with labelling strips
- adjustable in height
- Central locking

Technical data
- Dimensions W x D x H: 1500 x 700 x 780 - 1100 mm
- Drawer inside dimensions W x D: 390 x 560 mm
- Drawer height: 150, 150, 180 mm
- Colour: RAL 7035 light grey
- Weight: approx. 90 kg

	Item-No.
	93M6

Other models and colours available upon request!

Cutting table

Features
- Bench top: 40 mm beech ply wood
- Handle bar with labelling strips
- 2 drawers, lockable (1 x left and 1 x right)

Technical data
- Dimensions W x D x H: 2000 x 700 x 840 mm
- Drawer inside dimensions W x D x: 490 x 560 mm
- Drawer height: 150 mm
- compartment base (depth 320 mm) of zinc-coated sheet metal
- Colour: RAL 7035 light grey
- Weight: approx. 130 kg

	Item-no.
	94M1/2

Workstations

Work Bench

Features
- bench top: joggled and bonded, solid common beech wood
- drawers made of common beech wood
- 1 drawer on left side, 150 mm height
- 2 lockable drawers on right side, 55 mm height
- back shifted shelves

Technical data
- bench top size thickness x depth: 50 x 700 mm
- work height: 850 mm
- Colour: RAL 7035 light grey

Sheet length	Weight	Item-No.
1500 mm	85 kg	92M10/150
2000 mm	100 kg	92M10/200

Work Bench

Features
- bench top: joggled and bonded, solid common beech wood
- drawers made of common beech wood
- left side with 4 lockable drawers 100 mm high
- back shifted shelves

Technical data
- bench top size thickness x depth: 50 x 700 mm
- work height: 850 mm
- Colour: RAL 7035 light grey

Sheet length	Weight	Item-No.
1500 mm	90 kg	92M11/150
2000 mm	105 kg	92M11/200

Work Bench

Features
- bench top: joggled and bonded, solid common beech wood
- drawers made of common beech wood
- left side with 3 lockable drawers 150 mm high, and 1 swing door

Technical data
- bench top size thickness x depth: 50 x 700 mm
- work height: 850 mm
- Colour: RAL 7035 light grey

Sheet length	Weight	Item-No.
1500 mm	95 kg	92M12/150
2000 mm	110 kg	92M12/200

Workstations

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Work Bench

Features
- bench top: joggled and bonded, solid common beech wood
- drawers made of common beech wood
- One drawer 150 mm high and one cupboard compartment 350 mm high with hinged door on the left, two lockable drawers 55 mm high on the right

Technical data
- bench top size thickness x depth: 50 x 700 mm
- work height: 850 mm
- Colour: RAL 7035 light grey

Sheet length	Weight	Item-No.
1500 mm	90 kg	92M13/150
2000 mm	105 kg	92M13/200

Ergonomic work table

Features
- 2 lifting columns aluminium anodised
- electric height adjustment of the worktop from 740-1140 mm
- Beech multiplex worktop 40 mm
- 4 adjustable plates with floor mounting

Technical data
- Dimensions B x T x H: 1500 x 750 x 740-1140 mm
- Lifting speed: 12 mm/s
- Load capacity: 400 kg with uniform surface load
- Colour: RAL 7035
- Power requirements: 230 V/50 Hz/1 Ph/300 W
- Weight: ca. 110 kg

	Item-No.
	95M2/1523
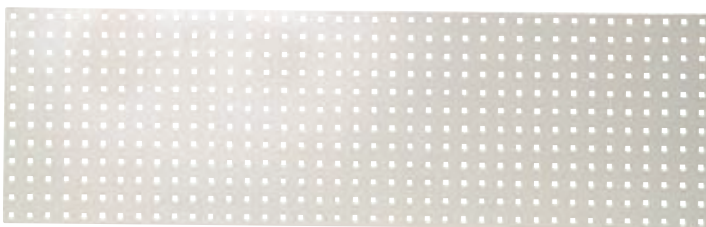
Tool Board

- perforated panel, reinforced reverse side, to mount on a work bench, comes without tool pegs

Technical data
- height: 457 mm
- holes: 9,2 x 9,2 mm
- hole pitch: 38 mm
- colour: RAL 7035 light grey

Length	Item-No.
1486 mm	93M11/1500
1981 mm	93M11/2000

Workstations

Tool Clamp

- for tool board 93M11/1500 and 93M11/2000, with narrow base plate, turnable pegs
- PU = 5 pieces

Diameter	Item-No.
10 mm	93M15/10
16 mm	93M15/16
25 mm	93M15/25
32 mm	93M15/32

Hook

- for tool board 93M11/1500 and 93M11/2000, with narrow base plate, slope end, Ø 6 mm
- PU = 5 pieces

W x D x H	Item-No.
20 x 50 x 60 mm	93M12/50
20 x 75 x 60 mm	93M12/75
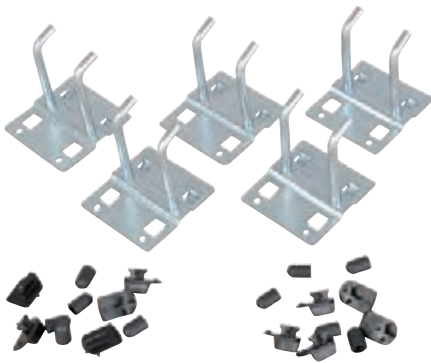
Double Hook

- for tool board 93M11/1500 and 93M11/2000, with narrow base plate, slope end, hook pitch 28 mm, Ø 6 mm
- PU = 5 pieces

W x D x H	Item-No.
60 x 50 x 60 mm	93M13/50
60 x 75 x 60 mm	93M13/75

Plier Bracket

- for tool board 93M11/1500 and 93M11/2000, with broad base plate
- PU = 5 pieces

D x H	Width	Item-No.
20 x 4 mm	55 mm	93M14/2

Workstations

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Storage Box

- for tool board 93M11/1500 and 93M11/2000
- made of plastic, RAL 7016, colour: light grey

W x D x H	Item-No.
130 x 100 x 65 mm	93M18/1
130 x 198 x 90 mm	93M18/2
130 x 298 x 165 mm	93M18/3

Bracket

- for storage box 93M18, for tool board 93M11/1500 and 93M11/2000

W x H	Item-No.
100 x 75 mm	93M17/1
450 x 75 mm	93M17/2

Adhesive Work Station

with integrated exhaust

Features
- cabinet with 3 drawers 180 mm on the right side
- left table leg with grounded socket, switch, compressed air quick-coupling, manometer, compressed air control
- bench top with integrated grid for applying adhesive
- exhaustor size 1, suction nozzle Ø 100 mm
- 3 m exhaust hose
- 3 m power cord with grounded plug

Technical data
- dimensions W x D x H: 1260 x 630 x 760 mm
- suction capacity: 150 m³/h
- colour: RAL 7035 light grey / 7037 medium grey
- power requirements: 230 V / 50 Hz / 1 Ph / 0.018 kW

	Item-No.
	90M10

Caution! The adhesive work station is destined only for the extraction of fumes during the processing of solvent-based adhesives! See chapter Vacuum forming devices for suitable suction arms.

Workstations
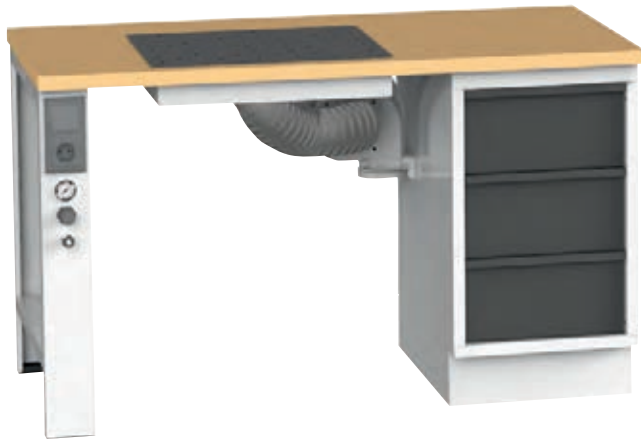
Abb. ähnlich

Adhesive Work Station

with integrated exhaustor and active carbon filter

Features
- cabinet with 3 drawers 180 mm on the right side
- left table leg with grounded socket, switch, compressed air quick-coupling, manometer, compressed air control
- bench top with integrated grid for applying adhesive
- exhaustor size 1, suction nozzle Ø 100 mm
- active carbon filter including mounting device
- 3 m power cord with grounded plug

Technical data
- dimensions W x D x H: 1260 x 630 x 760 mm
- suction capacity: 150 m³/h
- colour: RAL 7035 light grey / 7037 medium-grey
- power requirements: 230 V / 50 Hz / 1 Ph / 0.018 kW

	Item-No.
	90M12

Replacement activated carbon filter is available under item-no. 90M18. Caution! The adhesive work station is destined only for the extraction of fumes during the processing of solvent-based adhesives! See chapter Vacuum forming devices for suitable suction arms.
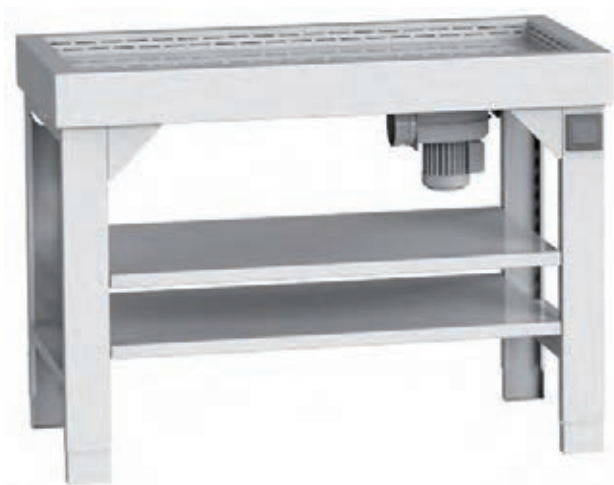
Adhesive Suction Table

Features
- lowered application surface, surrounded with suction slots
- integrated exhaustor
- adjustable working height
- two adjustable shelves
- exhaust connector: Ø 100 mm, incl. 3 m suction hose

Technical data
- dimensions W x D x H: 1260 x 630 x 850-1040 mm
- power requirements: 230 V / 50 Hz / 1 Ph
- colour: RAL 7035 light grey

Suction capacity	Capacity	Weight	Item-No.
150 m³/h	0.018 kW	58 kg	90M15/1523
350 m³/h	0.09 kW	59 kg	90M16/1523

Caution: The adhesive suction table is approved only to exhaust Vapors occuring during working with adhesives containing solvents. The adhesive suction table is optionally available with activated carbon filter incl. mounting (item-no 90M17).

Workstations

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

scope of supply does not include bench Vise

Abb. ähnlich

Resin Casting Work Station

- suction flow of 1100 cbm/h provides strong suction to area of rollers table and floor
- additionally installed suction arm is used for punctual suction
- complete technical device is located inside the riser which also provides storage space for materials, tools and equipment

Features

- explosion-proof axial fan, filter device
- 2 receivers for reinforcement- or sheeting material
- motor switch ON/OFF
- top part with 3 m power cord, CEE plug 5 x 16 A
- base part with electric supply 230 V (grounded plug) with quick action connector for the compressor unit

Technical data

- work bench W x D x H: 1600 x 750 x 900 mm
- top cabinet W x D x H: 1600 x 440 x 1400 mm
- exhaust nozzle: Ø 315 mm
- sound level: 62 dBA
- power requirements axial fan: 400 V / 50 Hz / 3 Ph / 0,25 kW
- power requirements work bench: 230 V / 50 Hz / 1 Ph
- colour: RAL 7035 light grey

	Item-No.
	90M1

Special coatings are available upon request! Replacement air filter (PU = 5 pieces) available (item-no. 90M1/F).

Adhesive / Resin Work Station

for connection to a central exhaustor

Features

- drawer block on the right side with 3 lockable drawers 150 mm and section for laminating device
- left table leg with 1 each socket, switch, quick-coupling, manometer, air pressure control
- Beech wood work top, d = 50 mm, glued wood
- integrated, closeable application grid 500 x 340 mm with drip tub
- Suction channel with 3 closable push-grids
- Connection for suction tube Ø 150 mm
- swivelling, closable aluminium suction hood
- 3 m power cord with grounded plug

Technical data

- Dimensions W x D x H: 1600 x 780 x 1000 mm (height without aluminium suction hood)
- Working height: 850 mm
- Power requirements: 230 V / 50 Hz / 1 Ph
- Colour: RAL 7035 light grey

Workstations

Item-No.
90M6/1523

Electric socket must be connected to the power supply system.

Adhesive/Resin Work Station
with explosion-protected exhaustor

Features
- drawer block on the right side with 3 lockable drawers 150 mm and section for laminating device
- left table leg with 1 each socket, switch, quick-coupling, manometer, air pressure control
- Beech wood work top, d = 50 mm, glued wood
- integrated, closeable application grid 500 x 340 mm with drip tub
- Suction channel with 3 closable push-grids
- Connection for suction tube Ø 150 mm
- swivelling, closable aluminium suction hood
- explosion-protected exhaustor
- 3 m power cord with CEE plug 5 x 16 A

Technical data
- Volume flow: 1100 m³/h
- Dimensions W x D x H: 1600 x 780 x 1000 mm (height without aluminium suction hood)
- Working height: 850 mm
- Power requirements: 400 V/50 Hz/3 Ph/0.55 kW
- Colour: RAL 7035 light grey

Item-No.
90M7/3540

Silicone Work Station

Features
- dust suction unit
- 3 drawers
- 4 sockets
- connections for gas, electro and compressed air
- front table for suction mouth
- flexible work lamp
- adjustable working height

Technical data
- Dimensions B x T x H: 1240 x 620 x 820 – 950 mm
- scope of adjustment: 6 adjustments à 25 mm
- Power requirements: 230 V/50 – 60 Hz/1 Ph/max. 1 kW
- Weight: ca. 155 kg
- colour: gentian blue

Workstations

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Not included in the delivery: Knee control unit/hand-piece holder, Bunsen burner, work trays, tray board

	Item-No.
	90E50
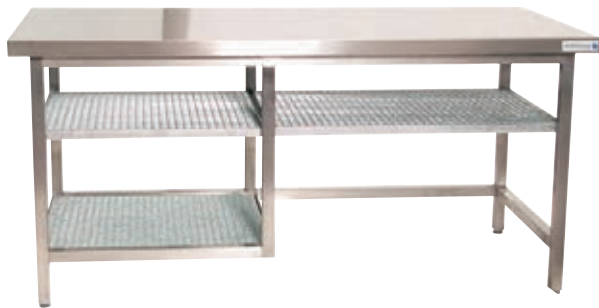
Plaster Work Table

Features
- table top with stainless steel sheet metal cover, canted sides provide full protection of table top
- frame made of square steel tube, stainless steel
- left side with 2 galvanized depositing grates
- right side with 1 galvanized depositing grate

Technical data
- dimensions W x D x H: 1800 x 900 x 850 mm
- weight: 115 kg net

	Item-No.
	151M5
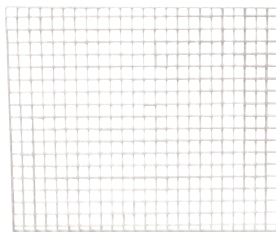
Grate

- zinc-plated, mesh size 34 x 38 mm

W x D x H	Item-No.
700 x 830 x 30 mm	151M9

Different sizes of grate-frames are custom-made upon customer's request!

Plaster Silo

Features
- Plaster outlet at the front with locking slide
- fine allotable plaster quantity with conveyer screw
- cover lid easy to open with safe retention Via 2 gas springs
- removable grid with tear-off device for plaster bags
- lid with dust seal

Technical data
- Dimensions B x T x H: 750 x 750 x 1320 mm
- Contents: 340 litre / 320 kg
- Tube: Ø 100 mm
- Colour: RAL 7035 light grey

Features	Weight	Item-No.
without wheels	82 kg	151M3
with wheels	88 kg	151M3/F

Workstations

Plaster-Grinding Basin

- ceramic, temperature resistant up to 65 °C

Technical data
- outside dimensions W x D x H: 700 x 500 x 200 mm
- colour: white
- weight: 36 kg net

Item-No.
151M8

Sink Base Cabinet

- for item 151M8, made of steel sheet with side panels and two height adjustable front legs, two rear mount links and two swing doors with handle

Technical data
- dimensions W x D x H: 685 x 480 x 650 mm
- colour: RAL 9016 white
- weight: 20 kg net

Item-No.
151M8/U

scope of supply does not include inlet-/outlet hose

Plaster Separator

- with closed 4-chamber separation system made from sturdy polypropylene
- easy and quick cleaning by means of insert foils
- absolutely tight lid prevents odours
- transparent material for Visual control

Technical data
- Overall height: 320 mm
- drain height: 245 mm
- outer/inner Ø: 340/295 mm
- volume capacity: 14 litres
- inlet connection: 1 1/2"
- Outer/inner Ø: 47 mm/39 mm
- outlet connection: outer Ø 50 mm
- Weight: 2.1 kg

Item-No.
151M14

Scope of supply includes 1 x replacement sheet.

Workstations

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Additional parts

for 151M14

151M14/1   151M14/2

151M14/3   151M14/4

Designation	Item-no.
Insert films, PU = 25 pieces	151M14/1
Water suction pump, total length 480 mm, stroke length 135 mm, delivery Volume 100 ml/stroke	151M14/2
Drain hose, connection sleeve Ø 50 mm, drain connection Ø 40/50 mm, length 750 mm	151M14/3
Inlet hose, connection 1 1/2 inch, hose Ø 28 mm	151M14/4

DENTABS

- plaster sink-sedimentation aid
- hinders the development of odours caused by mostly plaster
- incl. dosage basket

PU	Item-No.
Pack with 12 pcs	116P18/12
Pack with 25 pcs	116P18/25

Plaster Waste Bin

- made of plastic

Technical data
- dimensions W x D: 830 x 570 mm
- capacity: 106 l

Features	Weight	Hight	Item-No.
with base frame, 2 swivel and 2 fixed wheels	10 kg	550 mm	151M1
without base frame	6 kg	400 mm	151M2
Base frame, 2 swivel and 2 fixed wheels	4 kg		151M1/U

Waste Bin

- made of plastic, round
- capacity: approx. 80 l

Features	Weight	Dimensions Ø x H	Item-No.
without base frame	3.5 kg	650 x 390 mm	151M10
with base frame, 1 swivel and 2 fixed wheels	7 kg	650 x 540 mm	151M11

Workstations

Anvil

- made of hardened quality steel (85M100) resp. drop-forged (85M1/20 and 85M1/30)
- dimensions = total length x width x table length

Dimensions	Weight	Hight	Item-No.
350 x 60 x 230 mm	20 kg	172 mm	85M1/20
430 x 72 x 280 mm	30 kg	200 mm	85M1/30
680 x 125 x 460 mm	100 kg	290 mm	85M1/100

Anvil Base

- suitable for all sizes
- dimensions W x D x H: 460 x 380 x 550 mm

Weight	Item-No.
46 kg	85M5

Waste Container

- with zinc-plated insert, extractable to the front

Technical data
- dimensions: W x D x H: 450 x 450 x 870 mm
- colour: RAL 7001 silver grey
- weight: approx. 23,5 kg net

	Item-No.
	140M12

Swivel Chair

- Swivel Chair with PU-foam seat, black
- gas lift height adjustment: 430 – 560 mm
- plastic five-star base: Ø 630 mm
- casters optionally hard (for soft floors, 140M10/H) or soft (for hard floors, 140M10W)

	Item-no.
	140M10/W

Workstations

Fitting &
care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum
forming devices

Vacuum- & com-
pressed air technology

Hand power
tools

Tools

Storage
equipment

Protective
equipment

Ovens

Convection Oven for pre-preg materials

- Circulating air heating oven for processing prepreg materials, mobilewith four stop rollers, incl. Vacuum connections (4-way with couplings andwater separator), incl. intermediate shelf for dividing the interior intothree zones

Features
- Interior stainless steel
- 2-fold folding door with window
- heating 3 x 3300 w, 3 x fan motors with reversal of rotation
- Model/material sensor for controlling the oven and the heating process Via the material temperature
- Temperature controller, operation Via touch screen
- Temperature continuously adjustable from 30 °C to 250 °C, temperature unitswitchable °C / °F
- Timer and ramp function individually programmable, graphicprogress display
- connection cable with CEE plug, 5-pin, 16 A

Technical data
- Interior lighting: 2 x 25 watt
- Outer dimensions W x D x H: 1230 x 920 x 1570 mm
- Innenraummaße W x D x H: 1000 x 620 x 1200 mm
- Power requirements: 400 V / 50 Hz / 3 Ph / 10.2 kW
- Colour: RAL 7035 light grey / RAL 7011 anthracite
- Weight: 283 kg

	Item-no.
	50M6/3540

Pre-preg Oven

- Convection Oven for processing pre-preg materials, mobile with 4 stop rollers, incl. Vacuum connections (4-fold with couplings and water separator), incl. intermediate shelf for dividing the interior into three zones.

Features
- interior: stainless steel
- colour: RAL 7035 light grey / RAL 7016 anthracite grey
- 2-fold folding door with window
- heating 3 x 3300 w, 3 x fan motors with reversal of rotation
- model/material sensor for controlling the furnace and the heating process Via the material temperature
- temperature controller, operation Via touch screen
- temperature continuously adjustable from 30 °C to 250 °C, temperature unit switchable °C / °F
- timer and ramp function individually programmable, graphic progress display
- Exhaust air connection DN=100 mm in the right side of the housing
- Connection cable with CEE plug, 5-pin, 16 A

Ovens

Technical data
- Interior lighting: 2 x 25 watt
- Outer dimensions W x D x H: 1350 x 920 x 1950 mm
- Inner dimensions: W x D x H: 1000 x 620 x 1790 mm
- Power requirements: 400 V/50-60 Hz/3 Ph/10.2 kW
- Weight: 395 kg

	Item-No.
	50M7/3540

Infrared-Oven

- for quick heating of plastic materials
- also suitable for deep-drawing technology with deep-drawing frame

Features
- Stainless steel interior
- Panel heating with 8 infrared quartz-tubes
- Temperature measurement of the material surface by means of opto-electronic IR-measuring unit
- Touch screen operation
- multiple-language screen (GER, EN, FR, IT, NL, ES)
- °C/°F shift
- Timer function
- Heating ramp function (e.g. for pre-preg)
- graphic display of heating processes progression
- Memory for user-defined heating processes
- double swing door with two double pane Viewing windows
- 1 PTFE coated tray (exchangeable)
- Access to online user manuals Via QR code scan
- Connection cable with CEE plug, 5-pin, 16 A

Technical data
- Interior lighting: 2 x 25 watt
- Inner dimensions W x D x H: 810 x 580 x 540 mm
- Outer dimensions W x D x H: 900 x 700 x 920 mm
- Number of quartz-infrared tubes: 8 pcs. 390 mm/460 watts (tubes are exchangeable)
- Continuously adjustable temperature range by means of PID-controller: 30 °C – 250 °C (86 °F – 482 °F)
- Power requirements: 380 – 400 V/50 – 60 Hz/3 Ph/3.7 kW
- Available in following colours: RAL 5017 (traffic blue)/RAL 7035 (light grey) or RAL 7035 (light grey)/RAL 7037 (dust grey)
- Weight net/gross: ca. 133 kg/185 kg

	Item-No.
	51M10/3540

The average lifetime of the infrared-tubes is 5 years. As natural wear proceeds, the infrared-tubes become darker and the heating performance becomes weaker. Optionally available with stainless steel- feed through for Vacuum hose in the front area of the left side, item-no. 51M16.

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Ovens

Infrared-Oven

- incl. mobile material cart
- for quick heating of large plastic materials and for production of pre-preg orthoses
- also suitable for deep-drawing technology with deep-drawing frame

Features
- Panel heating with 12 infrared quartz-tubes
- Temperature measurement of the material surface by means of opto-electronic IR-measuring unit
- Touch screen operation
- multiple-language screen (GER, EN, FR, IT, NL, ES)
- °C/°F shift
- Timer function
- Heating ramp function (e.g. for pre-preg)
- graphic display of heating processes progression
- Memory for user-defined heating processes
- double pane Viewing window, gas spring assisted, Vertical opening mechanism
- Exchangeable PTFE coated roll-about tray with 4 locking casters, height continuously adjustable by gas spring (min. 820 mm, max. 1050 mm)
- Roll-about tray with fully integrated holder for the deep-drawing frame
- Access to online user manuals Via QR code scan
- Connection cable with CEE plug, 5-pin, 16 A

Technical data
- Interior lighting: 2 x 25 watt
- Inner dimensions W x D x H: 1000 x 800 x 500 mm
- Outer dimensions W x D x H: 1320 x 970 x 1420 mm
- Total height with opened door: 1850 mm
- Number of quartz-infrared tubes: 10 pcs. 490 mm/600 watts, 2 pcs. 490 mm/825 watts (tubes are exchangeable)
- Continuously adjustable temperature range by means of PID-controller: 30 °C – 250 °C (86 °F – 482 °F)
- Power requirements: 380 – 400 V/50 – 60 Hz/3 Ph/7.7 kW
- Available in following colours: RAL 5017 (traffic blue)/RAL 7035 (light grey) or RAL 7035 (light grey)/RAL 7037 (dust grey)
- Weight net/gross: 230/295 kg

Item-No.
51M12/3540

The average lifetime of the infrared-tubes is 5 years. As natural wear proceeds, the infrared-tubes become darker and the heating performance becomes weaker. Optionally available with stainless steel- feed through for Vacuum hose in the front area of the left side, item-no. 51M16.

Ovens

Infrared-Oven

- incl. mobile material cart
- for quick heating of large plastic materials and for production of pre-preg orthoses
- also suitable for deep-drawing technology with deep-drawing frame

Features
- Panel heating with 24 infrared quartz-tubes, dual zone switching (6/24)
- Temperature measurement of the material surface by means of opto-electronic IR-measuring unit
- Touch screen operation
- multiple-language screen (GER, EN, FR, IT, NL, ES)
- °C / °F shift
- Timer function
- Heating ramp function (e.g. for pre-preg)
- graphic display of heating processes progression
- Memory for user-defined heating processes
- double pane Viewing window, gas spring assisted, Vertical opening mechanism
- Exchangeable PTFE coated roll-about tray with 4 locking casters, height continuously adjustable by gas spring (min. 820 mm, max. 1050 mm)
- Roll-about tray with fully integrated holder for the deep-drawing frame
- Access to online user manuals Via QR code scan
- Power cord with CEE-plug, 5-pole, 32 A

Technical data
- Interior lighting: 4 x 25 watts
- Inner dimensions W x D x H: 1300 x 1590 x 500 mm
- Outer dimensions W x D x H: 1595 x 1770 x 1400 mm
- Total height with opened door: 1850 mm
- Number of quartz-infrared tubes: 8 pcs. 490 mm / 460 watts; 16 pcs. 390 mm / 460 watts (tubes are exchangeable)
- Continuously adjustable temperature range by means of PID-controller: 30 °C – 250 °C (86 °F – 482 °F)
- Power requirements: 380 – 400 V / 50 – 60 Hz / 3 Ph / 11.1 kW
- Available in following colours: RAL 5017 (traffic blue) / RAL 7035 (light grey) or RAL 7035 (light grey) / RAL 7037 (dust grey)
- Weight net / gross: 360 / 466 kg

Item-No.
51M13/3540

The average lifetime of the infrared-tubes is 5 years. As natural wear proceeds, the infrared-tubes become darker and the heating performance becomes weaker. Optionally available with stainless steel- feed through for Vacuum hose in the front area of the left side, item-no. 51M16.

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Ovens

Infrared-Oven

- dual infrared oven incl. moveable roll-about tray, with two independent thermostat control units
- Suitable for heating the entire heating surface or 2 separate smaller heating surfaces
- for quick heating of large plastic materials and for production of pre-preg orthoses
- also suitable for deep-drawing technology with deep-drawing frame

Features
- Panel heating with 28 infrared quartz-tubes, dual zone switching with partition wall (14/28 infrared-tubes)
- temperature measurement of the material surface by means of two opto-electronic IR-measuring units (x 2)
- Touch screen operation
- multiple-language screen (GER, EN, FR, IT, NL, ES)
- °C / °F shift
- Timer function
- Heating ramp function (e.g. for pre-preg)
- graphic display of heating processes progression
- Memory for user-defined heating processes
- double pane Viewing window, gas spring assisted, Vertical opening mechanism
- Exchangeable PTFE coated roll-about tray with 4 locking casters, height continuously adjustable by gas spring (min. 710 mm, max. 940 mm)
- Roll-about tray with fully integrated holder for the deep-drawing frame
- Access to online user manuals Via QR code scan
- Power cord with CEE-plug, 5-pole, 32 A

Technical data
- Interior lighting: 4 x 25 watts
- Inner dimensions W x D x H: 2200 x 1090 x 500 mm
- Outer dimensions W x D x H: 2500 x 1240 x 1300 mm
- Total height with opened door: 1750 mm
- Number of quartz-infrared tubes: 28 pcs. 490 mm / 460 watts (tubes are exchangeable)
- Continuously adjustable temperature range by means of PID-controller: 30 °C – 250 °C (86 °F – 482 °F)
- Power requirements: 380 – 400 V/50 – 60 Hz/3 Ph/12,9 kW
- Available in following colours: RAL 5017 (traffic blue)/RAL 7035 (light grey) or RAL 7035 (light grey)/RAL 7037 (dust grey)
- weight: net/gross: 448 kg/631 kg

Item-No.
51M14/3540

The average lifetime of the infrared-tubes is 5 years. As natural wear proceeds, the infrared-tubes become darker and the heating performance becomes weaker. Optionally available with stainless steel- feed through for Vacuum hose in the front area of the left side, item-no. 51M16.

Ovens

Infrared-Oven

- incl. mobile material cart
- for quick heating of large plastic materials and for production of pre-preg orthoses
- also suitable for deep-drawing technology with deep-drawing frame

Features
- Panel heating with 18 infrared quartz-tubes, dual zone switching (6/18)
- Temperature measurement of the material surface by means of opto-electronic IR-measuring unit
- Touch screen operation
- multiple-language screen (GER, EN, FR, IT, NL; ES)
- °C / °F shift
- Timer function
- Heating ramp function (e.g. for pre-preg)
- graphic display of heating processes progression
- Memory for user-defined heating processes
- double pane Viewing window, gas spring assisted, Vertical opening mechanism
- Exchangeable PTFE coated roll-about tray with 4 locking casters, height continuously adjustable by gas spring (min. 820 mm, max. 1050 mm)
- Roll-about tray with fully integrated holder for the deep-drawing frame
- Access to online user manuals Via QR code scan
- Stainless steel hose bushing (inside Ø = 15 mm) incl. stainless steel cover cap
- Connection cable with CEE plug, 5-pin, 16 A

Technical data
- Interior lighting: 2 x 25 watt
- Inner dimensions W x D x H: 1300 x 1090 x 500 mm
- Outer dimensions W x D x H: 1595 x 1270 x 1400 mm
- Total height with opened door: 1850 mm
- Number of quartz-infrared tubes: 6 pcs. 490 mm / 460 watts; 12 pcs. 390 mm / 460 watts (tubes are exchangeable)
- Continuously adjustable temperature range by means of PID-controller: 30 °C – 250 °C (86 °F – 482 °F)
- Power requirements: 380 – 400 V/50 – 60 Hz/3 Ph/8.5 kW
- Available in following colours: RAL 5017 (traffic blue)/RAL 7035 (light grey) or RAL 7035 (light grey)/RAL 7037 (dust grey)
- Weight net: 290 kg

Item-No.
51M15/3540

The average lifetime of the infrared-tubes is 5 years. As natural wear proceeds, the infrared-tubes become darker and the heating performance becomes weaker.

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Ovens

Spare parts

for 51M12, 51M13, 51M14 and 51M15
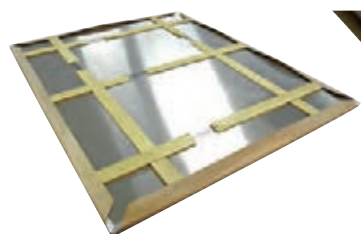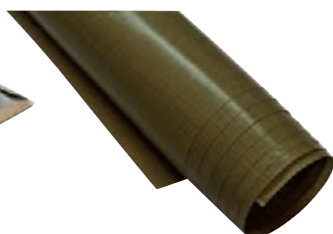
50M12/E1   51M12/E1

Designation	Item-no.
Spare PTFE film, open-pore, for 51M12	50M12/E1
Spare PTFE film, open-pore, for 51M13	50M13/E1
Spare PTFE film, open-pore, for 51M14	50M14/E1
Spare PTFE film, open-pore, for 51M15, 51M17	50M15/E1
Spare-PTFE-film, air-impermeable, for 51M12	51M12/E1
Spare-PTFE-film, air-impermeable, for 51M13	51M13/E1
Spare-PTFE-film, air-impermeable, for 51M14	51M14/E1
Spare-PTFE-film, air-impermeable, for 51M15, 51M17	51M15/E1

Vacuum-Kit incl. Quadruple Vacuum

for later mounting in infrared-ovens

- distribution panel with 4 heat resistant (200 °C) Vacuum couplers, V2A incl. mounting angle
- approx. 0,5 m supply hose with connector for quick coupling
- incl. 4 connectors for Vacuum-coupling with 4 ea. separate hose nozzles D = 4 mm and 6 mm
- water separator 1/2" with mounting angle incl. quick coupling (entry) and ball Valve with hose nozzle D = 12 mm (exit)

	Item-No.
	168P54/5

Infrared Emitter

- with spring mounted reflector and connection strand

Length	Capacity	for Item-No.	Item-No.
390 mm	460 Watt	50M10, 50M11, 50M13, 50M15, 51M10, 51M13, 51M15	50M17/3946
490 mm	460 Watt	50M13, 50M14, 50M15, 51M13, 51M14, 51M15	50M17/4946
490 mm	600 Watt	50M12, 51M12	50M17/4960
490 mm	825 Watt	50M12, 51M12	50M17/4982

Ovens

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Heating Cabinet

- heating cabinet for heating of plastic sheet materials
- suitable for deep-drawing technology with deep-drawing frames as well as for drying of plaster cast models and for sintering technology

Features
- 1 door with window
- Interior: stainless steel rust-proof
- convection fan with adjustable Ventilator speed
- controller with LED display and integrated timer 0-99 h
- Timer with delayed off-function
- ramp function
- USB interface for simple data transfer
- electromechanical adjustment of the air flap with position indication in the display
- 2 chrome-plated insert trays
- 1.8 m connection cable with grounded plug

Technical data
- Outer dimensions B x T x H: 815 x 817 x 965 mm
- Inner dimensions W x D x H: 650 x 510 x 780 mm
- Interior Volume: 258 litres
- Window dimensions W x H: 370 x 370 mm
- Temperature selection range: 8 °C above room temperature up to 300 °C
- Power requirements: 230 V / 50-60 Hz / 1 Ph / 2.3 kW
- Colour: RAL 7035 light grey, powder-coated
- Weight (net) leer: 86 kg

	Item-No.
	50M52/1523

Other models resp. Versions are available upon request!

Heating Cabinet

- heating cabinet for heating of plastic sheet materials
- suitable for deep-drawing technology with deep-drawing frames as well as for drying of plaster cast models and for sintering technology

Features
- 2 doors with windows
- Interior: stainless steel rust-proof
- convection fan with adjustable Ventilator speed
- controller with LED display
- time functions of the controller: 0 - 99,59 h delayed OFF, 0 - 99,59 h delayed ON, 0 - 99,59 h temperature dependent delayed OFF
- digital temperature control
- ramp function
- adjustable air Ventilation by air flap in the front and air duct Ø 50 mm in the back

Ovens

- 2 shelves, chrome-plated
- 1.8 m electric cord with CEE plug 5x16A

Technical data
- Outer dimensions W x D x H: 1234 x 870 x 1022 mm
- Inner dimensions W x D x H: 1000 x 500 x 800 mm
- Interior Volume: 400 litres
- Window dimensions W x H: 290 x 470 mm
- Temperature selection range: 5 °C above room temperature up to 300 °C
- Power requirements: 400 V / 50 – 60 Hz / 3 Ph / 3.4 kW
- Colour: RAL 7035 light grey powder-coated
- Weight (net) empty: 145 kg

	Item-No.
	50M3

Other models resp. Versions are available upon request!

Heating Cabinet

- heating cabinet for heating of plastic sheet materials
- suitable for drying of plaster cast models and for sintering technology

Features
- 1 door with window
- Interior: stainless steel rust-proof
- convection fan with adjustable Ventilator speed
- controller with LED display
- integrated timer 0 – 99 h
- digital temperature control
- ramp function
- adjustable air Ventilation by air flap in the front and air duct Ø 50 mm in the back
- 2 shelves, chrome-plated
- 1.8 m connection cable with grounded plug

Technical data
- Outer dimensions W x D x H: 835 x 760 x 700 mm
- Inner dimensions W x D x H: 600 x 400 x 480 mm
- Interior Volume: 115 litres
- Window dimensions W x H: 240 x 350 mm
- Temperature selection range: 5 °C above room temperature up to 300 °C
- Power requirements: 230 V / 50 – 60 Hz / 1 Ph / 1.6 kW
- Colour: RAL 7035 light grey, powder-coated
- Weight (net): empty 64 kg

	Item-No.
	50M5

Other models resp. Versions are available upon request!

Ovens

Heating Cabinet

- Heating cabinet for heating of plastic sheet materials
- suitable for deep-drawing technology with deep-drawing frames as well as for drying of plaster cast models and for sintering technology

Features:
- 2 doors with windows
- Interior: stainless steel rust-proof
- Convection fan with adjustable Ventilator speed
- controller with LED display
- Timer functions: delayed OFF/delayed ON/temperature dependent delayed OFF
- USB interface for simple data transfer
- Ethernet interface
- electromechanical adjustment of the air flap with position indication in the display
- 2 chrome-plated insert trays
- 1.8 m connection cable with CEE plug, 5-pin, 16 A

Technical data:
- Outer dimensions B x T x H: 1165 x 870 x 1590 mm
- Inner dimensions W x D x H: 1000 x 1300 x 570 mm
- Interior Volume: 741 litres
- Temperature selection range: 12 °C above room temperature up to 300 °C
- Power requirements: 400 V/3 Ph/50-60 Hz/4.5 kW
- Colour: RAL 7035 light grey, powder-coated
- Weight (net) empty: 166 kg

Item-no.
50M54/3540

Other models resp. Versions are available upon request!

Base Frame

- for Item-No, 50M52, 50M3 and 50M5

Technical data
- Dimensions B x T x H: 1500 x 750 x 850 mm
- load capacity 300 kg
- Colour: RAL 7035 light grey

Item-No.
50M52/U

Fitting & care area
Workstations
Ovens
Machines
Consumables
Dust extractors
Vacuum forming devices
Vacuum- & compressed air technology
Hand power tools
Tools
Storage equipment
Protective equipment

Ovens

51M9/4

Clamping device for pre-preg

51M9/1: 1-fold clamping Device for pre-preg
- horizontal holding device for 1 pre-preg model
- for intended use in infrared-oven
- Dimensions L x W x H: 210 x 560 x 190 mm

51M9/4: 4-fold clamping device for pre-preg
- horizontal holding device for up to 4 pre-preg models
- for intended use in infrared-oven
- Dimensions L x W x H: 910 x 760 x 290 mm

Features	Item-No.
1-fold Clamping Device	51M9/1
4-fold Clamping Device	51M9/4
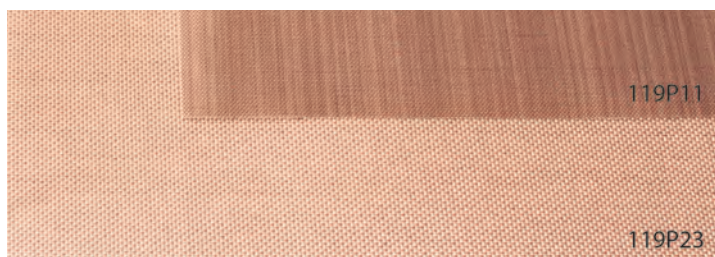
119P11

119P23

PTFE Film

Material
- PTFE-coated glass fabric

Application
- for heating ovens

PU = running meter

Width x Thickness	Features	Item-No.
1100 x 0.13 mm	non-air-permeable	119P11
1150 x 0.2 mm	air-permeable	119P23

For sandwich-ovens, use the air-permeable PTFE-Film item-no. 119P23.
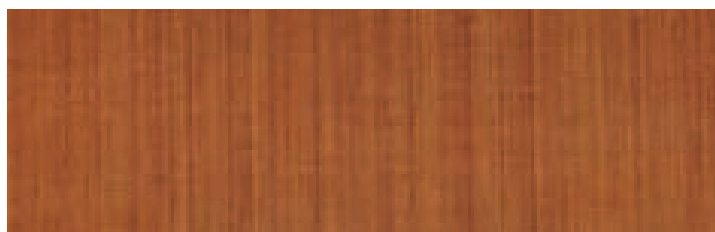
PTFE film

Material
- fibreglass webbing coated with PTFE
- colour: beige

Application
- ideally suitable for infrared oven

PU = running meter

Width x strength	Version	Item-no.
1525 x 0.35 mm	not air-permeable	119P18

Ovens

Fitting &
care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum
forming devices

Vacuum- & com-
pressed air technology

Hand power
tools

Tools

Storage
equipment

Protective
equipment

Convection Oven Size 1

• suitable for Item-No 168P502

Features
• Enclosure inside and outside stainless steel
• door with big window, opening to the front, both sides of the door are suspended on springs
• 1 grate / 1 tray as a standard feature
• thermostat continuously adjustable from 50 °C – 250 °C
• Timer continuously adjustable 0 – 120 min
• ON/OFF control light

Technical data
• heating: 1 x 2400 W
• Power requirements: 230 V / 50 – 60 Hz / 1 Ph / 2.5 kW
• Outer dimensions B x T x H: 527 x 450 x 316 mm
• Inner dimensions B x T x H: 404 x 308 x 254 mm
• Weight: 20 kg

	Item-No.
	168P503

Machines

Electric Silicone Roller

- for mixing of large quantities of silicone
- for rolling out big silicone sheets from 0.1 to 20 mm thickness

Features
- integrated soft-touch-control-panel in the casing
- foot pedal with emergency-off function
- electric adjustable roller distance
- manual hand crank for emergencies
- safety devices

Technical data
- digital display of roller distance: 0 – approx. 20 mm
- max. roller sheet dimension: 650 x 720 mm
- Roller dimensions: Ø 200 mm x 720 mm
- Machine dimensions W x D x H: 1100 x 650 x 1300 mm
- digital display: 0.1 mm accuracy
- motor speed: 15 U/min.
- Power requirements: 230 V/50 Hz
- nominal current: 8.34 A
- Control Voltage: 24 V DC
- Weight: approx. 340 kg
- Colour: RAL 7035 light grey

	Item-No.
	90E30

Electric Silicone Roller
desktop unit

- for mixing and rolling of silicone of 0.1 mm to 15 mm material thickness

Features
- integrated soft-touch-control-panel in the casing
- emergency-off switch at the casing
- foot pedal
- manually adjustable roller distance by hand lever
- digital indication of roller distance
- safety device in front of rollers
- automatic opening of the rollers by emergency-off bar
- backlight behind rollers

Technical data
- digital display of roller distance from 0 – approx. 15 mm
- roller dimensions: Ø 100 x 400 mm
- Machine dimensions W x D x H: 780 x 530 x 580 mm
- digital display: 0.1 mm accuracy
- roller speed: step 1 – 10)
- motor speed: 15 U/min.
- Power requirements: 230 V/50-60 Hz/1 Ph/0.37 kW

Machines

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

- Weight: 170 kg
- Colour: RAL 7035 light grey

	Item-No.
	90E33

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Mechanical Silicone Roller

- for mixing of small quantities of silicone (up to 100 g) and for rolling out silicone sheets

Features
- 2 manually operated chromed rollers, rotating in opposite direction
- manually adjustable roller gap

Technical data
- dimensions: W x D x H: 600 x 350 x 310 mm
- diameter of rollers: 100 mm
- length of rollers: 350 mm
- roller gap: 0,1 – 3 mm, manually adjustable in 15 different steps
- max. sheet size: 300 x 300 mm
- colour of metal parts: RAL 7035 light grey
- weight: approx. 64 kg net

	Item-No.
	90E35

For cleaning use Heptan item-no. 83E4.

Features
- Router motor with continuously adjustable electronic speed control, incl. motor brake
- for connection to a central dust extractor with minimum air speed of 20 m/s and Vacuum of 780 Pa
- infinitely Variable angle adjustment of the motor shaft
- manual height adjustment by means of crank handle

Features
- multiple adjustable extractor hopper
- removable axis protection
- fork spanner 24 mm and 27 mm
- threaded bolt 5/8" or M16

Electrical equipment
- EMERGENCY-OFF foot switch
- ON/OFF switch for router motor
- with motor protection switch
- approx. 2 m power cord with CEE plug 5 x 16 A

Machines

Technical data
- Total height: 1600 mm
- Foot dimensions/space requirement W x D: 570 x 450 mm
- Work place requirement W x D: approx. 1000 mm x 1400 mm
- Variable working height: 560 – 1400 mm
- router axis length: 430 mm
- extractor connection Ø 100 mm
- Continuously adjustable speed: 750 – 3000 rpm
- noise level: approx. 68 dB(A)
- Power requirements: 400 V/50 – 60 Hz/3 Ph/2.2kW
- Colour: RAL 7011 anthracite, powder-coated
- Weight: 140 kg

	Item-No.
	2M10

For use of machines with frequency converters: For continuous speed adjustment, we recommend to replace the FI-switch (leakage current switch) in the switch box by an all-current sensitive FI.

Braking Unit
Electronic DC brake

Features
- DC braking with one-way rectification
- suitable for all asynchronous motors
- easy mounting, also for retrofitting into existing plants

Technical data
- dimensions W x D x H: 100 x 120 x 73 mm
- power requirements: 220 – 240 V/50 – 60 Hz/10 A/1,1 kW
- integrated braking contactor, for devices up to 20 A

	Item-No.
	1M26

Wide Belt Sander

Features
- 2-speed motor
- with closed belt protection
- Easy changing of the belt thanks to quick-release device

Basic equipment
- 1 sanding belt 200 x 1500 mm (107P60/40)
- support table with adjustable tilt angle from -10° to +45°

Electrical equipment
- With motor protection switch
- approx. 3 m power cord with CEE plug 5 x 16 A

Machines

Technical data
- Dimensions B x T x H: 620 x 430 x 1470 mm
- rotation speed: 1450/2900 rpm
- extractor connection Ø 100 mm
- sanding belt speed: 10/20 m/sec.
- Sanding width: max. 200 mm
- Sanding belt length: 1500 mm
- Power requirements: 400 V/50 Hz/3 Ph/1.8 kW/2.2 kW
- Colour: RAL 7035 light grey
- Total weight: approx. 120 kg

	Item-No.
	110M4
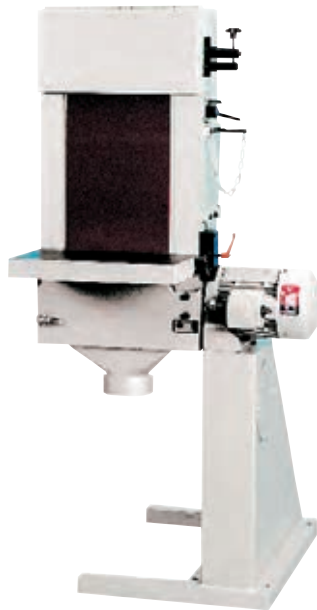
Wide Belt Sander

Features
- as 110M4 but with 300 mm belt width
- one-speed motor

Features
- 1 sanding belt 300 x 2000 mm (107P50/40)
- support table with adjustable tilt angle from -10° to +45°

Electrical equipment
- With motor protection switch
- approx. 3 m power cord with CEE plug 5 x 16 A

Technical data
- Dimensions B x T x H: 770 x 730 x 1630 mm
- rotation speed: 1450 rpm
- extractor connection Ø 150 mm
- sanding belt speed: 15 m/sec
- Sanding width: max. 300 mm
- Sanding belt length: 2000 mm
- Power requirements: 400 V/50 Hz/3 Ph/3.0 kW
- Colour: RAL 7035 light grey
- Total weight: approx. 190 kg

	Item-No.
	110M5

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Machines

Belt Sander

Features
- floor stand
- 2-speed motor
- for connection to central exhaust unit with minimum air speed 20 m/sec

Basic equipment
- continuously adjustable tilting angle of the working surface by 90°
- speed control

Electrical equipment
- motor protection switch
- 1,3 m power cord with CEE plug 5 x 16 A

Technical data
- dimensions W x D x H: 800 x 850 x 1520 mm
- space requirements W x D: approx. 1800 x 1400 mm
- extractor connection: Ø 100 mm
- sanding belt width: 250 mm
- sanding belt length: 2000 mm
- rotation speed: 1400/2800 rpm
- sanding belt speed: 15/30 m/sec
- power requirements: 400 V / 50 Hz / 3 ph / 2,3 kW / 3,0 kW
- colour: RAL 7035 light grey
- weight: 152 kg

	Item-No.
	10M37/3540

Combination Sander

Features
- floor stand
- 2-speed motor
- for connection to central exhaust unit with minimum air speed 20 m/s

Basic equipment
- left side face plate Ø 350 mm with support table
- right side contact wheel and belt tensioning arm
- speed control

Electrical equipment
- motor protection switch
- 1,3 m power cord with CEE plug 5 x 16 A

Technical data
- dimensions W x D x H: 800 x 800 x 1900 mm
- space requirements W x D: approx. 1700 x 1400 mm
- 1 x extractor connection each, Ø 100 mm

Machines

- sanding belt width: 50 mm
- sanding belt length: 2500 mm
- face plate: Ø 350 mm
- rotation speed: 1400/2800 rpm
- sanding belt speed: 18/36 m/sec
- power requirements: 400 V/50 Hz/3 Ph/1,3 kW/1,8 kW
- colour: RAL 7035 light grey
- weight: 102 kg

Item-No.
10M38/3540

Double grinding machine 175 mm

Table Version

Features
- Grinding Wheel Normalkorund coarse K36
- Grinding Wheel Normalkorund fine K80
- Spark Guard
- Viewing window made of shatterproof material
- Adjustable tool rest
- Vibration-absorbing rubber feet
- approx. 1.4 m power cord with grounded plug

Technical data
- Dimensions B x T x H: 389 x 233 x 279 mm
- Grinding disc diameter: 175 mm
- Grinding disc width: 25 mm
- Rotation speed: 2850 rpm
- Power requirements: 230 V/50 Hz/1 Ph/0.45 kW
- weight: 14 kg net

Item-no.
10M2/1523

Double grinding machine 175 mm

Pillar Version

Features
- Machine base
- Cooling water tray
- Grinding Wheel Normalkorund coarse K36
- Grinding Wheel Normalkorund fine K80
- Spark Guard
- Viewing window made of shatterproof material
- adjustable tool rest
- vibration-absorbing rubber feet
- approx. 1.4 m power cord with grounded plug

Technical data

- Dimensions B x T x H: 389 x 270 x 1104 mm
- Grinding disc diameter: 175 mm
- Grinding disc width: 25 mm
- Rotation speed: 2850 rpm
- Power requirements: 230 V/50 Hz/1 Ph/0.45 kW
- Weight: 28.5 kg

	Item-no.
	10M3/1523

Double grinding machine 200 mm

Table Version

Features

- Grinding Wheel Normalkorund coarse K36
- Grinding Wheel Normalkorund fine K80
- Spark Guard
- Viewing window made of shatterproof material
- adjustable tool rest
- Vibration-absorbing rubber feet
- approx. 1.4 m power cord with grounded plug

Technical data

- Dimensions W x D x H: 495 x 261 x 331 mm
- Grinding disc diameter: 200 mm
- Grinding disc width: 30 mm
- Rotation speed: 2850 rpm
- Power requirements: 230 V/50 Hz/1 Ph/0.6 kW
- Weight: 18.5 kg

	Item-no.
	10M4/1523

Double grinding machine 200 mm

Pillar Version

Features

- Machine base
- Cooling water tray
- Grinding Wheel Normalkorund coarse K36
- Grinding Wheel Normalkorund fine K80
- Spark Guard
- Viewing window made of shatterproof material
- adjustable tool rest
- Vibration-absorbing rubber feet
- approx. 1.4 m power cord with grounded plug

Technical data

- Dimensions B x T x H: 495 x 270 x 1156 mm

Machines

- Grinding disc diameter: 200 mm
- Grinding disc width: 30 mm
- Rotation speed: 2850 rpm
- Power requirements: 230 V / 50 Hz / 1 Ph / 0.6 kW
- Weight: 33 kg

	Item-no.
	10M5/1523

Double grinding machine 300 mm

Table Version

Features
- Grinding Wheel Normalkorund coarse K36
- Grinding Wheel Normalkorung fine K80
- Spark Guard
- Viewing window made of shatterproof material
- adjustable tool rest
- vibration-absorbing rubber feet
- approx. 1.4 m connection cable with CEE plug, 5-pin, 16 A

Technical data
- Dimensions B x T x H: 736 x 365 x 407 mm
- Grinding disc diameter: 300 mm
- Grinding disc width: 50 mm
- rotation speed: 1450 rpm
- power requirements: 400 V / 50 Hz / 3 Ph / 2,2 kW
- Weight: 84 kg

	Item-no.
	10M6/3540

Double grinding machine 300 mm

Pillar Version

Features
- Machine base with door and shelf
- Cooling water tray
- Grinding Wheel Normalkorund coarse K36
- Grinding Wheel Normalkorund fine K80
- Spark Guard
- Viewing window made of shatterproof material
- adjustable tool rest
- vibration-absorbing rubber feet
- approx. 1,4 m Anschlusskabel mit CEE-Stecker, 5-polig, 16A

Technical data
- Dimensions B x T x H: 736 x 505 x 1197 mm
- Grinding disc diameter: 300 mm
- Grinding disc width: 50 mm

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Machines

- rotation speed: 1450 rpm
- Power requirements: 400 V/50 Hz/3 Ph/22 kW
- Weight: 107 kg

	Item-no.
	10M7/3540

Grinding Wheel

- ordinary corundum, for machine 10M2 and 10M3
- Ø 175 mm, width 25 mm, hole Ø 50,8 mm

Grain size	Item-No.
coarse K 36	10M2/G
fine K 60	10M2/F

Grinding Wheel

- ordinary corundum, for machine 10M4 and 10M5
- Ø 200 mm, width 32 mm, hole Ø 50,8 mm

Grain size	Item-No.
coarse K 36	10M4/G
fine K 60	10M4/F

Grinding Wheel

- ordinary corundum, for machine 10M6 and 10M7
- Ø 300 mm, width 40 mm, bore Ø 76,2 mm

Grain size	Item-No.
coarse K 36	10M6/G
fine K 60	10M6/F

Band Saw model 600

- for cutting of wood, plastics and NE-metals

Features
- Aluminium parallel stop with round bar guide
- 3-roll precision saw band guide
- Cutting height adjustable by toothed rack
- Grey cast iron saw bench, tiltable from 0° to +20°
- Emergency-off switch
- Extractor connection Ø 120 mm
- 1 saw blade for wood
- 1 saw blade for plastic and light metal
- approx. 2.3 m connection cable with CEE plug, 5-pin, 32 A

Machines

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Technical data
- Dimensions B x T x H: 1000 x 790 x 2000 mm
- Dimensions Work bench B x T: 875 x 600 mm
- Saw bench height: 860 mm
- Cutting speeds: 1600 m/min.
- max. cutting height: 370 mm
- max. cutting width: 580 mm
- Saw band length: 4520 – 4600 mm
- Saw band thickness: 0.5 - 0.6 mm
- Power requirements: 400 V/50 Hz/3 Ph/2.2 kW
- Total weight: approx. 280 kg

Item-No.
130M3/3540

Band Saw

- for processing of wood, plastics and metal

Features
- two cutting speeds
- Saw band is guided by three wheels parallel to the saw band
- Table can be turned up to 45° at the right side
- Limit stop insertable to the left and right table side

Features
- 1 saw blade for wood
- 1 saw blade for plastic
- upper and lower special bearing wheels
- Blade guide

Electrical equipment
- Main- and motor protection switch as emergency switch
- 2 m connection cable and CEE plug 5 x 16 A

Technical data
- Dimensions B x T x H: 1060 x 635 x 2060 mm
- Table size: approx. 580 x 800 mm
- Cutting height: approx. 345 mm
- Cutting width: approx. 585 mm
- Saw blade length: 4400 mm
- Saw blade width: max. 35 mm
- Extractor connection Ø 100 mm
- 2-speed motor: 675/1350 RPM
- Power requirements: 380 V/50 Hz/3 Ph/2.2 kW
- Colour: anthracite/RAL 7035 light grey
- Total weight: approx. 270 kg

Item-No.
130M7

Machines

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Precision Band Saw

- for cutting of wood, plastics and NE-metals

Features
- two speeds, selection by means of V-belt adjustment
- Saw-table made of grey cast iron in one piece, with precisely ground and polished surface
- Comfortable laser device for marking the cutting line
- Quick-action saw band, tension adjustment by means of eccentric lever
- Precise 3-roll saw band guide on top and bottom
- quiet and precise operation due to warp-resistant machine body
- aluminium parallel stop with eccentric quick clamp and magnifier
- mitre square stop, adjustable by 60° on both sides

Features
- 3 band saw blades for softwood and hardwood, plastic, synthetics and non-ferrous metal

Electrical equipment
- With motor protection switch
- approx. 2 m power cord with CEE plug 5 x 16 A

Technical data
- work table dimensions W x D: 680 x 530 mm
- cutting speeds: 850 / 430 m/min.
- max. cutting height: 270 mm
- max. cutting width with stop: 474 mm
- max. cutting width without stop: 514 mm
- Saw band length: 3865 mm
- Saw table tilt: -10° to +45°
- Motor power: 400 V / 50 Hz / 3 Ph / 2.25 kW
- Dimensions B x T x H: 1024 x 800 x 2048 mm
- Extractor connection: 2 x 100 mm
- Weight: 163 kg

	Item-No.
	130M9/3540

Bench Drill Press

Features
- speed continuously adjustable
- Digital speed display
- Emergency-off switch
- Keyless drill chuck 1 – 13 mm
- height adjustable table with toothed rack
- drill table rotation: 360°
- usable table space W x D: 290 x 290 mm
- approx. 1.6 m connection cable with grounded plug

Machines

Technical data
- Dimensions B x T x H: 425 x 475 x 980 mm
- spindle fixture: MK 2
- continuous-/normal drilling capacity steel: Ø 12 / Ø 15 mm
- Outreach: 235 mm
- drilling depth: 80 mm
- Distance drill chuck - drill table: max. 375 mm
- Distance drill chuck - machine foot: max. 355 mm
- Spindle speed: 100 - 3000 rpm
- Power requirements: 230 V / 50 Hz / 1 Ph / 0.85 kW
- Weight: 66 kg

	Item-No.
	100M2/1523

Bench Drill Press

Features
- power transmission by aluminium pulley, speed adjustable in 12 steps
- digital drilling depth and speed display
- Emergency-off switch
- Keyless drill chuck 1 – 16 mm
- Morse Taper M2/B16
- Drill depth stop
- right-/left rotation
- height adjustable table with toothed rack
- Drill table rotation: 360
- Drill table incline: 45°
- usable table space W x D: 280 x 245 mm
- approx. 1.6 m connection cable with CEE plug, 5-pin, 16 A

Technical data
- Dimensions B x T x H: 330 x 615 x 1015 mm
- spindle fixture: MK 2
- continuous-/normal drilling capacity steel: Ø 20 / Ø 25 mm
- Outreach: 180 mm
- drilling depth: 80 mm
- distance drill chuck - drill table: max. 425 mm
- Distance drill chuck - machine foot: max. 618 mm
- Spindle speed: 200 - 2440 rpm
- Number of steps: 12 steps
- Power requirements: 400 V / 50 Hz / 3 Ph / 0.75 kW
- Weight: 63.5 kg

	Item-No.
	100M3/3540

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Machines

Pillar Drill Press

Features
- infinitely Variable speed adjustment
- height adjustable table with cograil
- quickly adjustable drill depth stop
- speed- and drill depth indication: digital scale
- Thread cutting device
- EMERGENCY OFF palm button
- top unit with LED light
- without drill chuck
- without morse taper
- approx. 1.5 m power cord with CEE plug 5 x 16 A

Technical data
- Dimensions B x T x H: 355 x 705 x 1825 mm
- spindle: MK II
- usable table space W x D: 340 x 280 mm
- continuous/normal drilling capacity: 18/20 mm
- thread cutting capacity max. M10
- overhang: 240 mm
- Drilling depth: 100 mm
- Column: Ø 82 mm
- Distance spindle/table: 160 - 880 mm
- Spindle speed infinitely Variable: 30 – 3000 1/min
- Power requirements: 230 V/50 Hz/1 Ph/0.75 kW
- Colour: RAL 7005 light grey
- Weight: 151 kg

Item-No.
100M4/1523

Pillar Drill Press

Features
- 2 infinitely Variable speed ranges, manually adjustable
- digital speed display
- Emergency-off switch
- Keyless drill chuck 1 – 16 mm
- Morse Taper MK3/B16
- right/left-hand drill action
- machine light integrated in drill head
- height adjustable table with toothed rack
- Drill table rotation: 360
- usable table space W x D: 340 x 360 mm
- approx. 1.6 m connection cable with CEE plug, 5-pin, 16 A

Technical data
- Dimensions B x T x H: 550 x 755 x 1745 mm
- spindle fixture: MK 3
- continuous-/ normal drilling capacity steel: Ø 24/Ø 28 mm
- working radius: 200 mm
- drilling depth: 105 mm
- Distance drill chuck - drill table: max. 860 mm

Machines

- Distance drill chuck - machine foot: max. 1285 mm
- spindle speed: 300 – 4000 rpm
- Number of speed ranges: 2
- Power requirements: 400 V/50 Hz/3 Ph/0.85 kW/1.5 kW
- Weight: 152 kg

	Item-No.
	100M7/3540

Pillar Drill Press

Features
- power transmission by aluminium pulley, speed adjustable in 12 steps
- digital drilling depth and speed display
- Emergency-off switch
- Keyless drill chuck 1 – 16 mm
- Morse Taper MK3/B16
- Drill depth stop
- right-/left rotation
- height adjustable table with toothed rack
- Drill table rotation: 360
- Drill table incline: 45°
- usable table space W x D: 330 x 290 mm
- approx. 1.6 m connection cable with CEE plug, 5-pin, 16 A

Technical data
- Dimensions B x T x H: 355 x 670 x 1640 mm
- spindle fixture: MK 3
- Continuous-/ normal drilling capacity steel: Ø 20/Ø 25 mm
- Overhang: 210 mm
- drill depth: 85 mm
- Distance drill chuck - drill table: max. 720 mm
- Distance drill chuck - machine foot: max. 1230 mm
- Spindle speed: 200 - 2440 rpm
- Number of steps: 12 steps
- Power requirements: 400 V/50 Hz/3 Ph/0.75 kW
- Weight: 85 kg

	Item-No.
	100M10/3540

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Machines

Pillar Drill Press

Features
- continuously Variable speed control
- height adjustable table with cograil
- quickly adjustable drill depth stop
- speed- and drill depth indication: digital scale
- Thread cutting device
- EMERGENCY STOP push-button
- top unit with LED light
- without drill chuck
- without morse taper
- approx. 1.5 m connection cable with grounded plug

Technical data
- Dimensions B x T x H: 550 x 750 x 1800 mm
- spindle: MK II
- usable table space W x D: 420 x 340 mm
- continuous / normal drilling capacity: 23/25 mm
- thread cutting capacity: max. M16
- Overhang: 260 mm
- Drilling depth: 100 mm
- Column: Ø 110 mm
- distance spindle to table: 230 – 850 mm
- spindle speed infinitely Variable: 20 – 2000 1/min
- Power requirements: 400 V / 50 Hz / 3 Ph / 1.5 kW
- Colour: RAL 7036 light grey
- Weight: 275 kg

Item-No.
100M8/3540

Quick Action Drill Chuck

- without morse taper
- suitable for Item-No 100M2, 100M4 and 100M8

Technical data
- Span range: 1 – 13 mm
- Receiver: B16

Item-No.
101M1/113

Quick Action Drill Chuck

- without morse taper

Technical data
- Span range: 3 – 16 mm
- Receiver: B18

Machines

Fitting &
care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum
forming devices

Vacuum- & com-
pressed air technology

Hand power
tools

Tools

Storage
equipment

Protective
equipment

Item-No.
101M1/316

Morse Taper

- suitable for Item-No 100M2, 100M4 and 100M8

Technical data
- Spindle: MK II
- Receiver: B16

Item-No.
101M3

Morse Taper

Technical data
- Spindle: MK III
- Receiver: B18

Item-No.
101M4

Drilling Arm

- suitable for all drill presses

Technical data
- length: 400 mm
- weight: 2 kg net

Item-No.
101M5

Machine Jaw Vise

- suitable for bench and floor type drill presses with prismatic jaws
- dimensions = jaw width x span width

Dimensions	Weight	Item-No.
100 x 110 mm	3.3 kg	101P14/100
150 x 110 mm	4.75 kg	101P14/120

Machines

Magnetic Lamp

- with 24 V transformer for protective low Voltage, rubber lamp and safety glass resistant to temperature alternations, rubber plug and on/off switch

Technical data
- transformer: 230 V / 24 V / 25 VA
- power cord: 5 m
- lamp diameter: 9 cm
- length: 69 cm
- weight: 2,6 kg net

	Item-No.
	168P2

The lamp comes complete, ready for use with transformer!
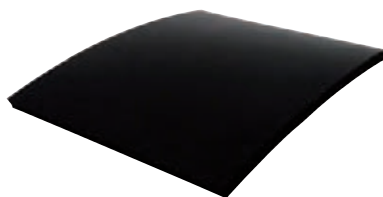
Insulation Mat

- anti-vibration mat to dampen acoustic noise and Vibration of machines
- oil and grease resistant, to a limited extent resistant to fuel, acid and alkalis
- temperature resistant from -10 °C to +70 °C
- colour: black
- thickness: 10 mm

	Item-No.
	160M2

The mats will be cut to fit the dimensions of the machine floor column. Please indicate those dimensions when placing your order. Upon request, we gladly offer you the screw material for surface mounting!

Table Sander

Features
- tool holder M16 or 5/8"
- integrated extraction
- foldaway and removable hood for dust reduction, incl. dust bag
- 2 m power cord with grounded plug

Technical data
- Rotation speed: 2820 rpm
- Dimensions B x T x H: 430 x 360 x 400 mm
- Power requirements: 230 V / 50 Hz / 1 Ph / 0.55 kW
- Colour: RAL 7035 light grey
- Weight: 16 kg

Abb. ähnlich

Thread	Item-No.
M16	10M20/16
5/8"	10M20/58

Machines

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Combined Finishing Machine

Features
- integrated suction unit
- additional motor with naumkeag sander
- twin cutter: heel cutter on top, sole cutter on bottom
- front taper Ø 80 mm with bayonet closure (MK3)
- 2 sanding belts
- revolving polishing tools with 3 reversible shafts and 6 polishing tools, switching between tools by means of handwheel
- 3 m elctric cord with CEE plug 5 x 16 A

Technical data
- dimensions W x D x H: 1300 x 815 x 1615 mm
- sanding belt width: 1 x 40 mm, 1 x 100 mm
- sanding belt length: 1650 mm, contact wheel: Ø 170 mm
- power requirements: 400 V / 50 Hz / 3 Ph / 4,31 kW
- colour: RAL 7035 light grey
- weight: 415 kg

	Item-No.
	96M20/3540

Other models available upon request!

Belt Sanding Machine

Features
- integrated suction unit
- additional motor with naumkeag sander
- front taper Ø 80 mm with bayonet closure (MK3)
- 2 sanding belts
- 3 m power cord with CEE plug 5 x 16 A

Technical data
- dimensions W x D x H: 750 x 815 x 1615 mm
- 1 x sanding belt: 40 x 1650 mm, contact wheel: Ø 170 mm
- 1 x sanding belt: 100 x 1480 mm, contact wheel: Ø 110 mm
- power requirements: 400 V / 50 Hz / 3 Ph / 2,1 kW
- colour: RAL 7035 light grey
- weight: 235 kg

	Item-No.
	96M22/3540

Other models available upon request!
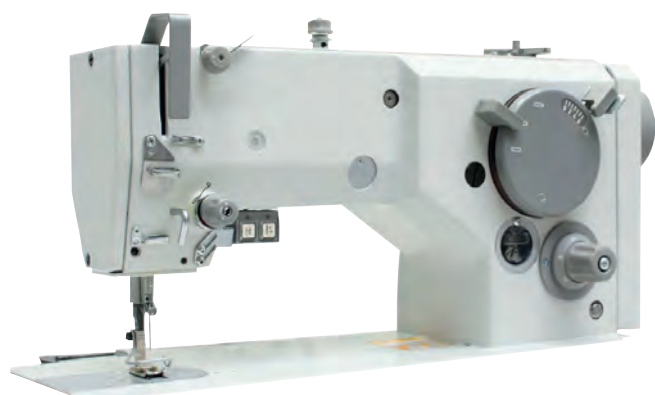
Machines

Zig-zag Double Lockstitch Sewing Machine

• for processing of thin and thick materials

Features
• with bottom feed
• electric motor
• infinitely adjustable zig-zag overstitch width
• needle system 134R
• integrated knee lever
• finger-, belt- and thread lever protection
• zipper foot, open on right side
• Table with treadle and drawer
• LED spotlight
• 2 m power cord with grounded plug

Technical data
• Dimensions B x T x H: 1050 x 500 x 1500 mm
• Stitches per minute: max. 5000
• Overstich width: Ø max. 6 mm
• Stitch length: max. 5 mm
• clearance below foot presser: max. 7 mm
• Power requirements: 230 V / 50 – 60 Hz / 1 Ph / 0.25 kW
• Weight: approx. 55 kg

	Item-No.
	40M5

o.Abb.

Spare parts
for 40M5

Designation	Item-no.
Spool	40M5/E1

Single Needle Double Stitch Post Bed Sewing Machine

• for light to medium weight materials
• suitable for ornamental and attachment seams as well as edged hems for shoe shafts and shaft parts

Features
• including resopal table, fully assembled
• needle up and down position
• controlled sewing speed
• needle system 134R

Technical data
• 3000/minstitches per minute: max. 3000
• stitch length: max. 4.5 mm

Abb. ähnlich

Machines

- Rolling base Ø: 35 mm
- Power requirements: 230 V / 50 – 60 Hz / 1 ph / 0.37 kW
- Weight: 85 kg

	Item-No.
	40M4

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Adler Long-Arm Sewing Machine 30/10

- for light upper leather

Features
- feeder rotatable in all directions
- adjustable thread lever
- Adler foot operation stand with drawer (only 40M1/F)
- 2 m power cord with grounded plug (only 40M1/E)

Technical data
- dimensions W x D x H: 850 x 500 x 1140 mm
- arm length: 470 mm
- stitches: max. 350/min
- stitch length: max. 5 mm
- presser foot travel: max. 8 mm
- weight: approx. 90 kg net

Features	Item-No.
with foot operation	40M1/F
with electric motor (230 V / 50 – 60 Hz / 1 Ph / 0.37 kW)	40M1/E

Adler Long-arm Sewing Machine 30/70

- for heavy and strong leather

Features
- feeder rotatable in all directions
- adjustable thread lever
- alternating current starter motor with primary reduction gear, Adler-foot and motor operation stand, 2 m power cord with grounded plug (only 40M2/E)

Technical data
- Dimensions W x D x H: 850 x 500 x 1140 mm
- Arm length: 470 mm
- Stitches: max. 300/min
- Stitch length: max. 5 mm
- Presser foot travel: max. 12 mm
- Weight: approx. 90 kg net

Machines

Features	Item-No.
with foot operation	40M2/F
with electric motor (230 V/50 – 60 Hz/1 Ph/0.37 kW)	40M2/E

Skiving Machine

- only suitable for machining of upper leather

Features
- incl. table
- transport motor
- integrated dust suction Ventilator
- 2 m power cord with grounded plug

Technical data
- Dimensions B x T x H: 1050 x 550 x 1150 mm
- Power requirements: 230 V/50 Hz/1 Ph/0.75 kW
- Weight: 87 kg

	Item-No.
	40M9

Other models available upon request!

Machines

Consumables

Threaded Stud

- It = Interior thread machine, Et = Exterior thread

It	Et	Item-No.
5/8"	M16	1M23/16
5/8"	5/8"	1M23/58
M16	M16	1M24/16
M16	5/8"	1M24/58

165P21/16

Threaded Manifold

- It = Interior thread, Et = Exterior thread

It	Et	Item-No.
5/8"	1/2"	165P21/12
M16	5/8"	165P21/16
5/8"	M16	165P21/58
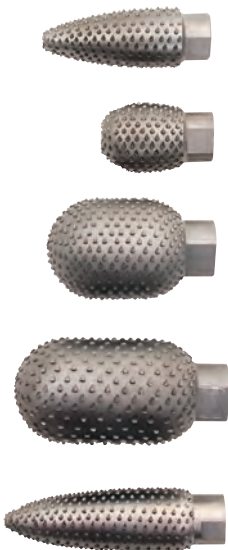
Rasp Head

- for wood, hard foam and soft foam works, medium cut

Ø x L	Thread	Item-No.
30 x 85 mm	M16	161P5/3
30 x 85 mm	5/8"	161P5A/3
35 x 55 mm	M16	161P5/4
35 x 55 mm	5/8"	161P5A/4
50 x 80 mm	M16	161P5/2
50 x 80 mm	5/8"	161P5A/2
50 x 100 mm	M16	161P5/1
50 x 100 mm	5/8"	161P5A/1
30 x 105 mm	M16	161P5/6
30 x 105 mm	5/8"	161P5A/6

Rasp Head

- for wood, hard foam and soft foam works, fine cut

Ø x Length	Thread	Item-No.
30 x 85 mm	M16	161P4/3
30 x 85 mm	5/8"	161P4A/3
35 x 55 mm	M16	161P4/4
35 x 55 mm	5/8"	161P4A/4
50 x 100 mm	M16	161P4/1
50 x 100 mm	5/8"	161P4A/1

Consumables
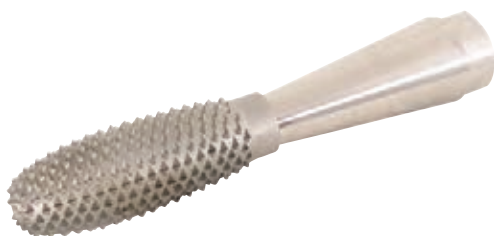
Rasp Head with Shank

- for plastic works
- Ø 22 mm, length 130 mm

Cut	Thread	Item-No.
fine	M16	161P5/5
fine	5/8"	161P5A/5
medium	M16	161P4/2
medium	5/8"	161P4A/2

Rasp Head without Shank

- for plastic works
- Ø 22 mm, length 58 mm

Cut	Thread	Item-No.
fine	M10	161P5O/5
medium	M10	161P4O/2

Shank

- for rasp head 161P5O, 161P4O and conical cutter 161P57, 161P58
- length 70 mm, thread M10

Thread	Item-No.
M16	165P22/16
5/8"	165P22/58

Conical Cutter, HSS

- spiral fluted, for aluminum and plastic
- Ø 27 mm, length 76 mm

Thread	Item-No.
M16	161P56
5/8"	161P56/A

Consumables

Sanding Roll

Ø x Length	Thread	Item-No.
25 x 50 mm	M16	161P45
25 x 50 mm	5/8"	161P45/A
45 x 75 mm	M16	161P52
45 x 75 mm	5/8"	161P52/A
60 x 75 mm	M16	161P47
60 x 75 mm	5/8"	161P47/A
100 x 100 mm	M16	161P51
100 x 100 mm	5/8"	161P51/A

Sanding Sleeves

Ø x Length / for Item-No	Grain size	Item-no.
25 x 50 mm / 161P45	K 40	161P46/40
25 x 50 mm / 161P45	K 80	161P46/80
25 x 50 mm / 161P45	K 120	161P46/120
45 x 75 mm / 161P52 and 161P72	K 24	161P48/24
45 x 75 mm / 161P52 and 161P72	K 40	161P48/40
45 x 75 mm / 161P52 and 161P72	K 60	161P48/60
45 x 75 mm / 161P152 and 161P72	K 80	161P48/80
45 x 75 mm / 161P52 and 161P72	K 100	161P48/100
45 x 75 mm / 161P52 and 161P72	K 120	161P48/120
60 x 75 mm / 161P47 and 161P73	K 24	161P49/24
60 x 75 mm / 161P47 and 161P73	K 40	161P49/40
60 x 75 mm / 161P47 and 161P73	K 60	161P49/60
60 x 75 mm / 161P47 and 161P73	K 80	161P49/80
60 x 75 mm / 161P47 and 161P73	K 100	161P49/100
60 x 75 mm / 161P47 and 161P73	K 120	161P49/120
100 x 100 mm / 161P51	K 24	161P50/24
100 x 100 mm / 161P51	K 40	161P50/40
100 x 100 mm / 161P51	K 80	161P50/80
100 x 100 mm / 161P51	K 120	161P50/120

Grinding sleeve

- Ceramic-grinding sleeve matches with item 161P51
- extremely high sanding performance at up to 300 % compared to conventional sanding sleeves
- low sanding temperature due to special coating
- excellent sanding results with less wear

Diameter x Length	Grain size	Item-No.
100 x 100 mm	40	161P96/40

When grinding plastics, the sanding sleeve does not stick so quickly as the temperature is dissipated more effectively by the ceramic gain.

Consumables

Sanding sleeve

- cermaic sanding sleeve sutiable for item 161P47
- extremely high sanding performance at up to 300 % compared to conventional sanding sleeves
- low sanding temperature due to special coating
- excellent sanding results with little wear

Diameter x Length	Grain size	Item-No.
60 x 75 mm	40	161P93/40

When grinding plastics, the sanding sleeve does not stick so quickly as the temperature is dissipated more effectively by the ceramic grain.

Sanding Roll, small

- length 75 mm

Diameter	Thread	Item-No.
45 mm	M16	161P72
45 mm	5/8"	161P72/A
60 mm	M16	161P73
60 mm	5/8"	161P73/A

Rubber for Polishing Arbor

- for item 161P72 and 161P73, length 75 mm

Diameter	for Item-No.	Item-No.
45 mm	161P72	161P72/E
60 mm	161P73	161P73/E

Adjustable Twin Pin Key

- for item 161P72 and 161P73

	Item-No.
	161P74

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Consumables

Habermann Sanding Drum

- according to "Habermann"

Ø x Length	Thread	Item-no.
45 x 58 mm	M16	161P60/1
45 x 58 mm	5/8 "	161P60A/1
60 x 58 mm	M16	161P60/2
60 x 58 mm	5/8 "	161P60A/2
60 x 100 mm	M16	161P60/3
60 x 100 mm	5/8 "	161P60A/3

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Additional parts

for 161P60

- Tool Key for Habermann Sanding Drum
- adjustable

	Item-No.
	161P62

Sanding Sleeves

- suitable for item 161P60
- PU = 10 pieces

Ø x Length	Grain size	Item-No.
45 x 50 mm	K 60	161P63/1
45 x 50 mm	K 100	161P63/2
45 x 50 mm	K 150	161P63/3
60 x 50 mm	K 60	161P64/1
60 x 50 mm	K 100	161P64/2
60 x 50 mm	K 150	161P64/3
60 x 100 mm	K 60	161P65/1
60 x 100 mm	K 100	161P65/2
60 x 100 mm	K 150	161P65/3
85 x 50 mm	K 60	161P66/1
85 x 50 mm	K 100	161P66/2
85 x 50 mm	K 150	161P66/3

Consumables

Rubber Covering

- for item 161P60

Diameter	Length	Item-No.
45 mm	58 mm	161P61/1
60 mm	58 mm	161P61/2
60 mm	100 mm	161P61/3
85 mm	58 mm	161P61/4

Sanding Strip Roll

- suitable for item 161P6, width 60 mm
- PU = 50 m per roll

Grain size	Item-No.
K 40	107P28/4
K 50	107P28/5
K 60	107P28/6
K 80	107P28/8
K 100	107P28/10
K 120	107P28/12
K 150	107P28/15
K 180	107P28/18
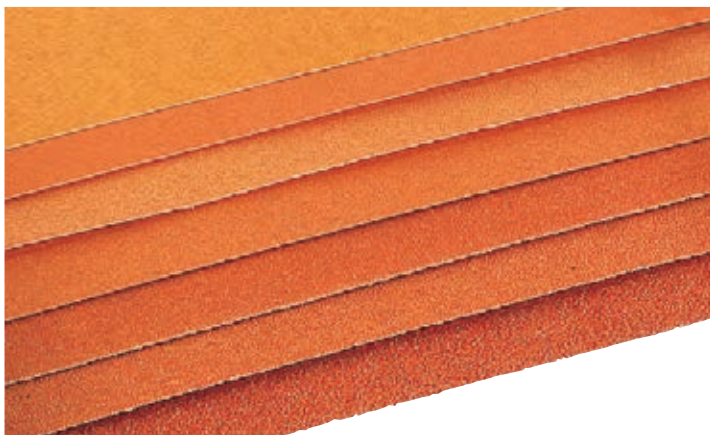
Sand Paper

- sand paper
- PU = 1 piece

Size	Grain size	Item-No.
280 x 230 mm	K 40	107P21/4
280 x 230 mm	K 60	107P21/6
280 x 230 mm	K 80	107P21/8
280 x 230 mm	K 100	107P21/10
280 x 230 mm	K 120	107P21/12
280 x 230 mm	K 180	107P21/18
280 x 230 mm	K 220	107P21/22

Consumables
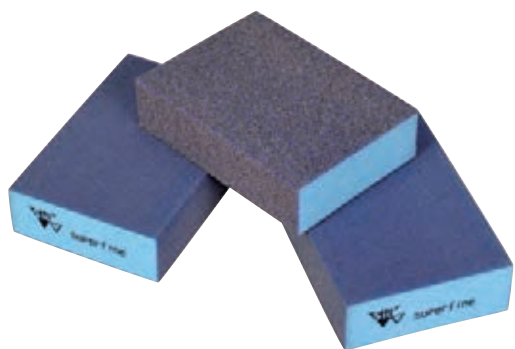
Sanding-Genius

- sanding sponge set
- for all surfaces like immersions and roundings
- set consisting of: 2 sanding sponges fine (grit 180) and 1 sanding sponge coarse (grit 60)
- PU = 1 set

Technical data
- dimensions W x D x H: 97 x 68 x 27 mm

	Item-No.
	107P8
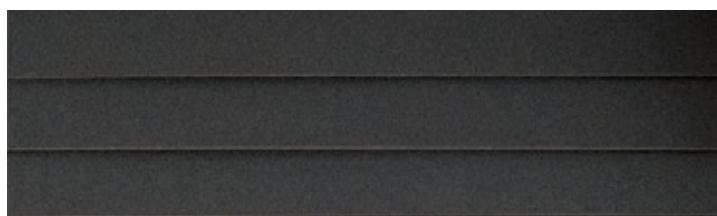
Sandpaper for Wet Sanding

- PU = 10 pieces

Size	Grain size	Item-No.
280 x 230 mm	K 180	107P22/18
280 x 230 mm	K 240	107P22/24
280 x 230 mm	K 400	107P22/40
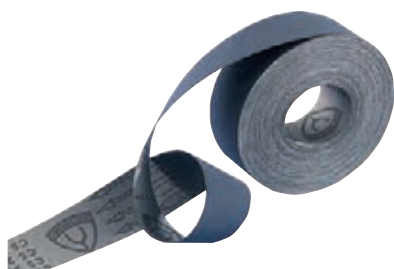
Sanding Strip Roll

- PU = 50 m per roll

Width	Grain size	Item-No.
60 mm	K 400	107P5/400
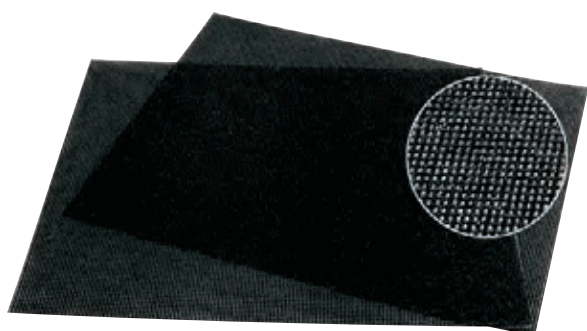
Sanding Net

- based on silicon, suitable for wet grinding in order to get glazed surfaces
- PU = 5 sheets

Dimensions W x L	Grain size	Item-No.
230 x 280 mm	K 100	107P31/100
230 x 280 mm	K 220	107P31/220

Consumables
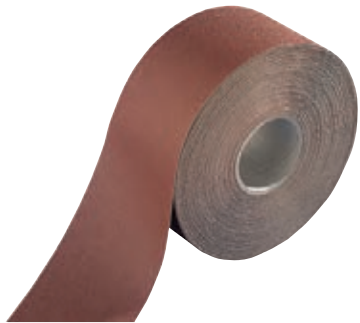
Sanding Strip Roll

- full resin bond
- width: 100 mm
- PU = 50 m per roll

Grain size	Item-No.
K 40	107P29/40
K 80	107P29/80
K 120	107P29/120

Sanding Roll

- to pull onto the router machine shaft, comes with one sanding sleeve
- tapered hole Ø 72,5 mm, length 200 mm

Application	Item-No.
	161P85/200
for Trautmann Router Machine	161P85/T

Sanding Sleeves

- for item 161P85, Ø 72,5 mm, length 200 mm
- PU = 10 pieces

Grain size	Item-No.
K 40	161P86/40
K 50	161P86/50
K 80	161P86/80
K 100	161P86/100

Sanding sleeve

- ceramic sanding sleeve suitable for item 161P68
- extremely high sanding performance at up to 300 % compared to conventional sanding sleeves
- low sanding temperature due to special coating
- excellent sanding results with little wear

Diameter x Length	Grain size	Item-No.
74 x 190 mm	40	161P94/40
74 x 190 mm	80	161P94/80

When grinding plastics, the sanding sleeve does not stick so quickly as the temperature is dissipated more effectively by the ceramic grain.

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Consumables

Sand Paper Set

- for item 161P7, 5-parts, length 55 mm, width 70 mm
- PU = 1 set

Grain size	Item-no.
K 40	161P7/K40
K 60	161P7/K60
K 120	161P7/K120
K 180	161P7/K180

Sanding Sleeves

- Ø 79,9 mm, length 130 mm
- PU = 10 pieces

Grain size	Item-no.
K 24	161P84/24
K 40	161P84/40
K 60	161P84/60
K 80	161P84/80
K 120	161P84/120
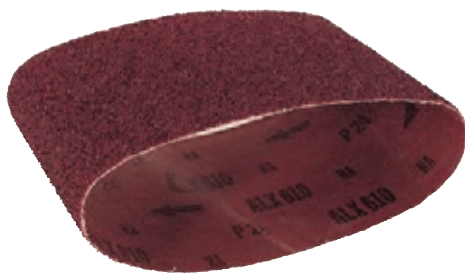
Sanding Sleeves

- circumference 450 mm, length 130 mm
- PU = 10 pieces

Grain size	Item-No.
K 24	161P82/24
K 40	161P82/40
K 60	161P82/60
K 80	161P82/80
K 120	161P82/120

Sanding Sleeves

- tight Version
- circumference 448 mm, length 130 mm
- PU = 10 pieces

Grain size	Item-No.
K 24	161P82/24E
K 40	161P82/40E
K 120	161P82/12E

Consumables

Grinding Fleece Sleeve

- for cosmetic soft foam works

Circumference x Length	Item-No.
440 x 130 mm	161P82/V
253 x 120 mm	161P84/V

Sanding Sleeves

- for item 161P75
- length 50 mm
- PU = 10 pieces

Diameter	Grain size	Item-No.
25 mm	K 40	161P76/40
25 mm	K 150	161P76/150

Sanding Drum, conical

- length 60 mm, Ø 22/36 mm

Thread	Item-No.
M16	161P80
5/8"	161P80/A

Grinding sleeve

- Ceramic-grinding sleeve matches with item 161P80
- extremely high sanding performance at up to 300 % compared to conventional sanding sleeves
- low sanding temperature due to special coating
- excellent sanding results with little wear

table 1

diameter x length	grain size	Item-No.
60 x 36 x 22 mm	60	161P95/60
60 x 36 x 22 mm	80	161P95/80

When grinding plastics, the sanding sleeve does not stick so quickly as the temperature is dissipated more effectively by the ceramic grain.

Consumables

Sanding Sleeves

- for item 161P80
- length 60 mm, Ø 22/36 mm
- PU = 10 pieces

Grain size	Item-No.
K 50	107P1/50
K 80	107P1/80
K 150	107P1/150

Sanding Drum

- with shank, thread M6

Diameter	Length	Item-No.
11 mm	25 mm	161P0/1125
16 mm	25 mm	161P0/1626
21 mm	40 mm	161P0/2140

Sanding Sleeve

- for item 161P0
- PU = 10 pieces

Grain size / Ø x L	for Item-No.	Item-No.
K 60 / 11 x 25 mm	161P0/1125	161P01/60
K 150 / 11 x 25 mm	161P0/1125	161P01/150
K 60 / 16 x 25 mm	161P0/1626	161P02/60
K 150 / 16 x 25 mm	161P0/1626	161P02/150
K 60 / 21 x 40 mm	161P0/2140	161P03/60
K 150 / 21 x 40 mm	161P0/2140	161P03/150

Sanding Drum

- with rubber core, shank thread M6

Diameter	Length	Item-no.
22 mm	20 mm	161P0/2220

Consumables

Additional parts
for 161P0

Grain size / Ø x L	for Item-No.	Item-no.
Sanding Sleeves, K 40/22 x 20 mm, for 161P0/2220, PU = 10 pieces	161P0/2220	161P04/40
Sanding Sleeves, K 120/22 x 20 mm, for 161P0/2220, PU = 10 pieces	161P0/2220	161P04/120
Sanding Sleeves, K 40/30 x 20 mm, for 161P0/3020, PU = 10 pieces	161P0/3020	161P05/40
Sanding Sleeves, K 120/30 x 20 mm, for 161P0/3020, PU = 10 pieces	161P0/3020	161P05/120

Lamella Fleece Sanding Drum

• with threaded pin M6

Diameter	Width	Item-No.
60 mm	50 mm	161P78

Fleece Fan Sanding Drum

• with threaded pin M6

Diameter	Width	Item-No.
60 mm	50 mm	161P77

Grinding Fleece Sleeve

• suitable for item 161P51
• for individual use
• particularly suitable for grinding cushioning materials and soft plastics in the edge area
• no surface changes due to abrasive grains, open structure facilitates absorption of dirt particles
• good absorption of polishing agents

Diameter x Length	Item-No.
100 x 100 mm	161P97

Consumables

Tool Holder

- for item 161P0, 161P77 and 161P78
- interior thread M6 for sanding attachment
- Mt = Machine thread

Mt x interior thread	Item-No.
M16 x M6	161P44/16
5/8" x M6	161P44/58

Sanding Drum

Ø x L	Thread	Item-No.
45 x 70 mm	M16	161P40/45
45 x 70 mm	5/8"	161P40A/45
65 x 90 mm	M16	161P40/60
65 x 90 mm	5/8"	161P40A/60

Sanding Cap

- for item 161P40
- PU = 6 pieces per box

Ø x Length	Grain size	Item-No.
45 x 70 mm	K 40	161P41/40
45 x 70 mm	K 80	161P41/80
65 x 90 mm	K 40	161P42/40
65 x 90 mm	K 80	161P42/80

Rubber Sanding Cone

- for plastic processing
- Ø 60 mm, length 80 mm
- max. speed 3000 rpm

Thread	Item-No.
M16	161P3
5/8"	161P3A

Polishing Drum

- for plastic works
- Ø 60 mm, length 40 mm

Thread	Item-No.
M16	161P23
5/8"	161P23A

Consumables

Replacement Rubber

• for item 161P23

Diameter	Length	Item-No.
60 mm	40 mm	161P23/E

Corundum Sanding Cone

• for metal works

Ø x L	Thread	Item-No.
50 x 70 mm	M 16	161P24/2
50 x 70 mm	5/8"	161P24A/2
60 x 80 mm	M16	161P24/3

Felt Cone

• with brass insert, for plastic works

Ø x Length	Thread	Item-No.
45 x 60 mm	M16	161P21
45 x 60 mm	5/8"	161P21A
60 x 80 mm	M16	161P20
60 x 80 mm	5/8"	161P20A

Felt Cone

• with threaded metal bushing, without flint glueing

Ø x L	Thread	Item-No.
45 x 60 mm	M16	161P25/1
45 x 60 mm	5/8"	161P25A/1
55 x 80 mm	M16	161P25/2
55 x 80 mm	5/8"	161P25A/2
65 x 90 mm	M16	161P25/3
65 x 90 mm	5/8"	161P25A/3

Consumables

scope of supply does not include stand

Grinding Cone made of Silicone

- perfectly suitable for grinding the edges of soft and permanently flexible plastic materials (e g. EVA-based materials such as Streifyflex or Streifytec soft, LDPEs with low density, e.g. Streifylast)
- not suitable for hard materials and foams

Thread	Colour	Item-No.
M16	anthracite	161P26/1
5/8"	anthracite	161P26A/1
M16	anthracite	161P26/2
5/8"	anthracite	161P26A/2
M16	anthracite	161P26/3
5/8"	anthracite	161P26A/3
M16	anthracite	161P26/4
5/8"	anthracite	161P26A/4
M16	anthracite	161P26/5
5/8"	anthracite	161P26A/5

Order reference: The desired type can be determined by means of the product picture, e.g. 1: item-no. 161P26/1 resp. 161P26A/1.

Exchange service of silicone bodies available upon request.

scope of supply does not include grinding cones

Stand for 5 grinding cones made of silicone

- stand for 5 grinding cones made of silicone
- M16/5/8"
- material: plastic

	Item-No.
	161P26

Polishing Wheel

- suitable for item 161P33
- made of cotton, for polishing works

Ø x Width	Hole	Item-No.
120 x 20 mm	16 mm	161P32/1
200 x 30 mm	16 mm	161P32/2
200 x 30 mm	20 mm	161P32/3
250 x 30 mm	16 mm	161P32/4

Different dimensions upon request!

Consumables

Polishing Wheel / Wave Folding

- suitable for item 161P33
- for plastic works, Ø 180 mm

Width	Hole	Item-No.
20 mm	16 mm	161P32/W

Lamella Fleece Wheel

- suitable for item 161P33
- for metal- and plastic works
- width 50 mm

Diameter	Thread	Item-No.
80 mm	5/8"	159P5/80
100 mm	5/8"	159P5/100

159P5/80   159P5/100

Lamella Fleece Wheel

- suitable for item 161P33
- without thread, for metal- and plastic works
- width 50 mm

Diameter	Hole	Item-No.
200 mm	16 mm	159P5/200

Lamella Wheel

- for plastic works

Diameter	Grain size	Item-No.
165 mm	K 320	161P31

Attention: Use only with tension disc!

Tension Disc

- suitable for item 161P33 and item 161P31
- PU = 1 pair

Hole	Item-No.
16 mm	161P34

Consumables

Holder

- for all polishing- and lamella wheels

Thread	Item-No.
M16	161P33/16
5/8"	161P33/58

Sanding Belt

- for wood and plastic, EM=External Make

L x W / grain size	for Machine	Item-No.
1500 x 200 mm / K 40	110M4	107P60/40
2000 x 300 mm / K 24	110M5	107P50/24
2000 x 300 mm / K 40	110M5	107P50/40
2000 x 300 mm / K 80	110M5	107P50/80
1800 x 300 mm / K 40	EM	107P62/40

Sanding Belt

- EM = External Make

L x W / grain size	for Machine	Item-No.
2250 x 50 mm / K 40	EM	107P56/40
2250 x 50 mm / K 60	EM	107P56/60
2250 x 50 mm / K 80	EM	107P56/80
2250 x 50 mm / K 120	EM	107P56/120
2250 x 50 mm / K 180	EM	107P56/180
2250 x 50 mm / K 240	EM	107P56/240
2000 x 50 mm / K 40	EM	107P61/40
2000 x 50 mm / K 80	EM	107P61/80
2000 x 50 mm / K 120	EM	107P61/120
3500 x 50 mm / K 40	Optima	107P58/40
3500 x 50 mm / K 80	Optima	107P58/80
3500 x 50 mm / K 120	Optima	107P58/120

Sanding Belt

- for wood and plastic, for item 10M35 and 10M37

Dimensions	Grain size	Item-No.
2000 x 250 mm	K 40	107P59/40

Consumables

Grinding Belt

- for item 10M36 and 10M38

Dimensions	Grain size	Item-No.
2500 x 50 mm	K 60	107P63/60
2500 x 50 mm	K 120	107P63/120
2500 x 50 mm	K 180	107P63/180

Sanding Disc

- for face plates

Diameter	Grain size	Item-no.
300 mm	K 36	107P30/300
350 mm	K 36	107P30/350
400 mm	K 36	107P30/400
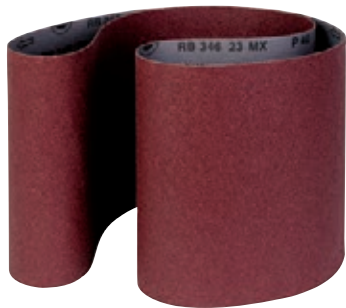
Sanding Line

- infinitely, corundum and sinter ceramic-coated abrasive, resin-bonded

Dimensions	Grain size	Item-No.
2000 x 300 mm	K 40	107P70/40
2000 x 300 mm	K 60	107P70/60
2000 x 300 mm	K 80	107P70/80

Sanding Belt

L x B / Grain size	for Machine	Item-no.
2500 x 50 mm / K 60	10M31, 32	107P63/60
2500 x 50 mm / K 120	10M31, 32	107P63/120
2500 x 50 mm / K 180	10M31, 32	107P63/180
3000 x 50 mm / K 40	10M30	107P57/40
3000 x 50 mm / K 60	10M30	107P57/60
3000 x 50 mm / K 80	10M30	107P57/80
3000 x 50 mm / K 120	10M30	107P57/120

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Consumables

Saw Band

- for item 130M9
- band saw blade, for wood, plastics and NE-metals, tooth pitch 4 T/", ready welded
- length: 3865 mm

Width	Item-No.
10 mm	108P12/10
16 mm	108P12/16
20 mm	108P12/20
25 mm	108P12/25

Saw Band

- for wood
- original Sweden Steel
- 0,65 mm (108P3) / 0,8 mm (108P4) thickness
- tooth pitch 4 T/", teeth set, sharpened and ready welded

L x W	for Machine	Item-no.
2240 x 16 mm	130M5	108P3/224
3300 x 16 mm	130M4	108P3/330
3380 x 16 mm	130M2	108P3/338
3550 x 16 mm	130M6	108P3/355
4400 x 16 mm	130M7	108P3/440
4500 x 16 mm	130M3	108P3/450
3300 x 20 mm	130M4	108P4/330
3550 x 20 mm	130M6	108P4/355
4500 x 20 mm	130M3	108P4/450

Saw Band

- for stainless steel and other steel types, original Sweden Steel
- 0,65 mm thickness, tooth pitch 24 T/", ready welded

L x W	for Machine	Item-no.
2240 x 6 mm	130M5	108P2/224
3300 x 6 mm	130M4	108P2/330
3380 x 6 mm	130M2	108P2/338
3550 x 6 mm	130M6	108P2/355
4400 x 6 mm	130M7	108P2/440
4500 x 6 mm	130M3	108P2/450

Consumables

Saw Band

- for plastics and light metals, original Sweden Steel
- 0,65 mm thickness, tooth pitch 10 T/", ready welded
- MA = machine, EM = external make

L x W	for employees	Item-no.
2240 x 8 mm	130M5	108P1/224
3300 x 8 mm	130M4	108P1/330
3380 x 8 mm	130M2	108P1/338
3550 x 8 mm	130M6	108P1/355
4400 x 8 mm	130M7	108P1/440
4500 x 8 mm	130M3	108P1/450

Sanding Sleeves

- for item 96M20, 96M21, 96M22, 96M6, 96M7 and 96M8
- left fold, arched, Ø 90 mm
- PU = 10 pieces

Grain size	Item-no.
K 60	161P55/60
K 80	161P55/80

Sanding Belt

- endless, for shoemakers' machines
- EM = External Make

L x W / grain size	for Machine	Item-No.
1480 x 40 mm / K 24	EM	107P51/24
1480 x 40 mm / K 40	EM	107P51/40
1480 x 40 mm / K 60	EM	107P51/60
1480 x 40 mm / K 80	EM	107P51/80
1480 x 40 mm / K 120	EM	107P51/120
1480 x 100 mm / K 24	96M7, M, M21, M22	107P52/24
1480 x 100 mm / K 40	96M7, M, M21, M22	107P52/40
1480 x 100 mm / K 80	96M7, M8, M21, M22	107P52/80
1650 x 40 mm / K 24	96M6, 96M7, M8, M20, M21, M22	107P53/24
1650 x 40 mm / K 40	96M6, 96M7, M8, M20, M21, M22	107P53/40
1650 x 40 mm / K 80	96M6, 96M7, M8, M20, M21, M22	107P53/80
1650 x 40 mm / K 12	96M6, 96M7, M8, M20, M21, M22	107P53/120
1650 x 100 mm / K 24	96M20	107P54/24
1650 x 100 mm / K 40	96M20	107P54/40

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Consumables

1650 x 100 mm / K 80	96M20	107P54/80
1650 x 100 mm / K 120	96M20	107P54/120
1390 x 100 mm / K 24	EM	107P55/24
1390 x 100 mm / K 40	EM	107P55/40
1390 x 100 mm / K 80	EM	107P55/80

Sewing Machine Needle

- for item 40M4 and 40M5
- needle system 134R
- PU = 10 pieces

Strength	Item-no.
0.7 mm	157P20/70
0.9 mm	157P20/90
1.0 mm	157P20/100
1.1 mm	157P20/110

Sewing Machine Needle

- for item 40M1 und 40M2
- PU = 10 pieces

for Item-No.	Thickness	Item-No.
40M1	1.0 mm	157P40/100
40M1	1.1 mm	157P40/110
40M1	1.2 mm	157P40/120
40M1	1.3 mm	157P40/130
40M1	1.4 mm	157P40/140
40M1	1.6 mm	157P40/160
40M2	1.0 mm	157P30/100
40M2	1.1 mm	157P30/110
40M2	1.3 mm	157P30/130
40M2	1.4 mm	157P30/140

Dust extractors

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Clean Air Dust Extractor POWER UNIT 100

manual filter cleaning

Characteristics

- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- long filter service life
- BG inspected
- residual dust content: H3 (< 0,1 mg/m³)

Features

- ON/OFF switch for clean-air dust extractor
- hand lever for filter cleaning
- differential pressure gauge
- 1 chip collectors incl. chip collection bag
- 5 m power cord with grounded plug

Technical data

- Dimensions B x T x H: 1178 x 650 x 1973 mm
- extraction connector: Ø 100 mm
- nominal air flow capacity at connector at 20 m/s: 565 m³/h
- max. Volume air flow: 790 m³/h
- max. sound pressure level: 75 dB(A)
- filter surface: 4.1 m²
- filter material: dust class M, electrical conductive, washable
- chip collection Volume: 135 litres
- Power requirements: 230 V/50 Hz/1 Ph/1.1kW
- Weight: 114 kg

	Item-No.
	20M100/230

Special Voltages upon request.

Clean Air Dust Extractor POWER UNIT 100

manual filter cleaning

Characteristics

- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- long filter service life
- BG inspected
- residual dust content: H3 (< 0,1 mg/m³)

Features

- ON/OFF switch for clean-air dust extractor
- hand lever for filter cleaning
- differential pressure gauge
- 1 chip collectors incl. chip collection bag
- 5 m electric cord with CEE plug
- 5-pin plug, 16 A with phase changer

Dust extractors

Technical data
- Dimensions B x T x H: 1178 x 650 x 1973 mm
- extraction connector: Ø 100 mm
- nominal air flow capacity at connector at 20 m/s: 565 m³/h
- max. Volume air flow: 790 m³/h
- max. sound pressure level: 75 dB(A)
- filter surface: 4.1 m²
- filter material: dust class M, electrical conductive, washable
- chip collection Volume: 135 litres
- Power requirements: 400 V / 50 Hz / 3 Ph / 1.5 kW
- Weight: 114 kg

Item-No.
20M100/400

Clean Air Dust Extractor POWER UNIT 120
manual filter cleaning

Characteristics
- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- long filter service life
- BG inspected
- Residual dust content: H3 (< 0.1 mg/m³)

Features
- ON / OFF switch for clean-air dust extractor
- hand lever for filter cleaning
- differential pressure gauge
- 1 chip collectors incl. chip collection bag
- 5 m electric cord with CEE plug
- 5-pin plug, 16 A with phase changer

Technical data
- Dimensions B x T x H: 1178 x 650 x 1973 mm
- Extraction connector: Ø 120 mm
- Nominal air flow capacity at connector at 20 m/s: 814 m³/h
- max. Volume flow: 1140 m³/h
- max. sound pressure level: 75 dB(A)
- Filter surface: 5.1 m²
- filter material: dust class M, electrical conductive, washable
- chip collection Volume: 135 litres
- Power requirements: 400 V / 50 Hz / 3 Ph / 1.5 kW
- Weight: 117 kg

Item-No.
20M120/H

Special Voltages upon request.

Dust extractors

Clean Air Dust Extractor POWER UNIT 120
with automatic filter cleaning system and machine recognition

Characteristics
- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- long filter service life
- BG inspected
- Residual dust content: H3 (< 0.1 mg/m³)

Features
- ON/OFF switch for clean-air dust extractor
- ON/OFF switch for clean-air dust extractor
- Volume flow monitoring with indicator light
- 1 chip collectors incl. chip collection bag
- 5 m electric cord with CEE plug
- 5-pin plug, 16 A with phase changer

Technical data
- Dimensions B x T x H: 1178 x 650 x 1973 mm
- Extraction connector: Ø 120 mm
- Nominal air flow capacity at connector at 20 m/s: 814 m³/h
- max. Volume flow: 1140 m³/h
- max. sound pressure level: 75 dB(A)
- Filter surface: 5.1 m²
- filter material: dust class M, electrical conductive, washable
- chip collection Volume: 135 litres
- Power requirements: 400 V/50 Hz/3 Ph/1.5 kW
- Weight: 121 kg

	Item-No.
	20M120/M

Clean Air Dust Extractor POWER UNIT 160
with automatic compressed air filter cleaning system

Characteristics
- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- Optional machine recognition and automatic start of up to 16 processing machines
- fully automatic compressed air filter cleaning with patented OPTIJET technology
- BG inspected
- residual dust content: H3 (< 0,1 mg/m³)

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Dust extractors

Features
- ON/OFF switch for clean-air dust extractor
- fan arranged on clean air side
- Volume flow monitoring with indicator light
- ON/OFF switch for clean-air dust extractor
- 1 chip collectors incl. chip collection bag
- 5 m electric cord with CEE plug
- 5-pin plug, 16 A with phase changer

Technical data
- Dimensions B x T x H: 1684 x 830 x 2050 mm
- Extraction connector: Ø 160 mm
- Nominal air flow capacity at connector at 20 m/s: 1448 m³/h
- max. Volume flow: 2000 m³/h
- max. sound pressure level: 70,8 dB(A)
- Filter surface: 9.1 m²
- filter material: dust class M, electrical conductive, washable
- Chip collection Volume: 241 litres
- Compressed air supply: 1/2" standard plug
- Power requirements: 400 V/50 Hz/3 Ph/2.2 kW
- Weight: 340 kg

	Item-No.
	20M160/P

Special Voltages upon request.

Clean Air Dust Extractor POWER UNIT 160
with automatic compressed air filter cleaning system, with integrated compressor

Characteristics
- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- Optional machine recognition and automatic start of up to 16 processing machines
- fully automatic compressed air filter cleaning with patented OPTIJET technology
- integrated compressor
- BG inspected
- residual dust content: H3 (< 0,1 mg/m³)

Features
- ON/OFF switch for clean-air dust extractor
- fan arranged on clean air side
- Volume flow monitoring with indicator light
- ON/OFF switch for clean-air dust extractor
- 1 chip collectors incl. chip collection bag
- integrated compressor 230 V/50 Hz/1.1 kW/7 A
- 5 m electric cord with CEE plug
- 5-pin plug, 16 A with phase changer

Dust extractors

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Technical data
- Dimensions B x T x H: 1684 x 830 x 2050 mm
- Extraction connector: Ø 160 mm
- Nominal air flow capacity at connector at 20 m/s: 1448 m³/h
- max. Volume flow: 2000 m³/h
- max. sound pressure level: 70,8 dB(A)
- Filter surface: 9.1 m²
- filter material: dust class M, electrical conductive, washable
- Chip collection Volume: 241 litres
- Power requirements: 400 V / 50 Hz / 3 Ph / 2.2 kW
- Weight: 350 kg

Item-No.
20M160/K

Clean Air Dust Extractor POWER UNIT 160
manual filter cleaning

Characteristics
- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- Optional machine recognition and automatic start of up to 16 processing machines
- BG inspected
- residual dust content: H3 (< 0,1 mg/m³)

Features
- ON / OFF switch for clean-air dust extractor
- fan arranged on clean air side
- Handle for filter cleaning
- Volume flow monitoring with indicator light
- 1 chip collectors incl. chip collection bag
- 5 m electric cord with CEE plug
- 5-pin plug, 16 A with phase changer

Technical data
- Dimensions B x T x H: 1684 x 830 x 2050 mm
- Extraction connector: Ø 160 mm
- Nominal air flow capacity at connector at 20 m/s: 1448 m³/h
- max. Volume flow: 2000 m³/h
- max. sound pressure level: 70,8 dB(A)
- Filter surface: 9.1 m²
- filter material: dust class M, electrical conductive, washable
- Chip collection Volume: 241 litres
- Power requirements: 400 V / 50 Hz / 3 Ph / 2.2 kW
- Weight: 330 kg

Item-No.
20M160/H

Special Voltages upon request.

Dust extractors

Clean Air Dust Extractor POWER UNIT 200
with automatic compressed air filter cleaning system

Characteristics
- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- Optional machine recognition and automatic start of up to 16 processing machines
- fully automatic compressed air filter cleaning with patented OPTIJET technology
- BG inspected
- residual dust content: H3 (< 0,1 mg/m³)

Features
- ON/OFF switch for clean-air dust extractor
- fan arranged on clean air side
- Volume flow monitoring with indicator light
- ON/OFF switch for clean-air dust extractor
- 2 chip collectors incl. chip collection bags
- 5 m electric cord with CEE plug
- 5-pin plug, 16 A with phase changer

Technical data
- Dimensions B x T x H: 2268 x 830 x 2050 mm
- Extraction connector: Ø 200 mm
- Nominal air flow capacity at connector at 20 m/s: 2262 m³/h
- max. Volume flow: 3010 m³/h
- max. sound pressure level: 71,1 dB(A)
- Filter surface: 13.8 m²
- filter material: dust class M, electrical conductive, washable
- Chip collection Volume: 2 x 241 litres
- Compressed air supply: 1/2" standard plug
- Power requirements: 400 V/50 Hz/3 Ph/2.9 kW
- Weight: 460 kg

	Item-No.
	20M200

Special Voltages upon request.

Dust extractors

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Clean Air Dust Extractor POWER UNIT 250

with automatic compressed air filter cleaning system

Characteristics

- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- Optional machine recognition and automatic start of up to 16 processing machines
- fully automatic compressed air filter cleaning with patented OPTIJET technology
- BG inspected
- residual dust content: H3 (< 0,1 mg/m³)

Features

- ON/OFF switch for clean-air dust extractor
- fan arranged on clean air side
- Volume flow monitoring with indicator light
- ON/OFF switch for clean-air dust extractor
- 2 chip collectors incl. chip collection bags
- 5 m electric cord with CEE plug
- 5-pin plug, 32 A with phase changer

Technical data

- Dimensions B x T x H: 2305 x 1058 x 2351 mm
- Extraction connector: Ø 250 mm
- Nominal air flow capacity at connector at 20 m/s: 3534 m³/h
- max. Volume flow: 4900 m³/h
- max. sound pressure level: 71,9 dB(A)
- Filter surface: 22.4 m²
- filter material: dust class M, electrical conductive, washable
- Chip collection Volume: 2 x 250 litres
- Compressed air supply: 1/2" standard plug
- Power requirements: 400 V / 50 Hz / 3 Ph / 6.5 kW
- Weight: 758 kg

	Item-No.
	20M250

Special Voltages upon request.

Dust extractors

Clean Air Dust Extractor POWER UNIT 300

with automatic compressed air filter cleaning system

Characteristics
- compact, mobile clean-air dust extractor for extracting wood- and plastic chips
- depending on load (utilisation factor), the residues of several machines can be extracted
- Optional machine recognition and automatic start of up to 16 processing machines
- fully automatic compressed air filter cleaning with patented OPTIJET technology
- BG inspected
- residual dust content: H3 (< 0,1 mg/m³)

Features
- ON/OFF switch for clean-air dust extractor
- fan arranged on clean air side
- Volume flow monitoring with indicator light
- ON/OFF switch for clean-air dust extractor
- 2 chip collectors incl. chip collection bags
- 5 m electric cord with CEE plug
- 5-pin plug, 32 A with phase changer

Technical data
- Dimensions B x T x H: 2963 x 994 x 2346 mm
- Extraction connector: Ø 300 mm
- Nominal air flow capacity at connector at 20 m/s: 5089 m³/h
- max. Volume flow: 6000 m³/h
- max. sound pressure level: 72,5 dB(A)
- Filter surface: 30 m²
- filter material: dust class M, electrical conductive, washable
- Chip collection Volume: 3 x 250 litres
- Compressed air supply: 1/2" standard plug
- Power requirements: 400 V/50 Hz/3 Ph/7.5 kW
- Weight: 952 kg

	Item-No.
	20M300

Special Voltages upon request.

o.Abb.

Spare parts
for POWER UNIT

Designation	Item-no.
Chip bags for size 100 and 200, Ø 520 x 1300 mm, PU = 20 pieces	20M550/1
Chip bags for size 140, 160 and 200, 705 x 604 x 1200 mm, PU = 20 pieces	20M550/2
Chip bags for size 250 and 300, 895 x 570 x 1200 mm, PU = 20 pieces	20M550/3

Dust extractors

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Additional parts

for POWER UNIT

Designation	Item-no.
Frequency inverter for size 140 and 160	20M520/1
Frequency inverter for size 200	20M520/2
Frequency inverter for size 250 and 300	20M520/3

Machine Recognition

- for all POWER UNITs
- via transformer coils and automatic slide Valve gear
- for up to 4/8/12/16 electro-pneumatic or electric slide Valves
- control Voltage 24 V DC
- external connection box for independent wall mounting

Number of machines	Dimensions W x T x H	Item-No.
up to 4	254 x 94 x 180 mm	20M500/4A
up to 8	254 x 94 x 180 mm	20M500/8A
up to 12	360 x 111 x 254 mm	20M500/12A
up to 16	360 x 111 x 254 mm	20M500/16A

Transformer Coil

- for recognition of one wood working machine

	Item-No.
	20M510

Automatic Start/Stop Module

for connection of up to 2 workshop machines (1 x 3~400 V and/or 1 x 1~230 V) in combination with up to 2 external suction devices (1 x 3~400 V and/or 1 x 1~230 V)

Function

- when switching the workshop machine on, the suction device is also switched on automatically 2 – 3 seconds later
- after the machine is switched off, the extraction system continues to run for approx. 3-4 seconds, so that the residual dust from the processing machine is extracted in accordance with the Hazardous Substances Ordinance

Abb. ähnlich

Technical data

- Connected load min. 100 W, max. 400 V/16 A/11000 W

- Outlets workshop machine: 1 x socket CEE 3 P+N+E / 16 A / 6 h, 1 x socket 2 P+E
- Outlets suction device: 1 x socket CEE 3 P+N+E / 16 A / 6 h, 1 x socket 2 P+E
- Protection class: IP 44
- Measurements B x T x H: ca. 245 x 123 x 153 mm
- Weight: Approx. 1.25 kg

	Item-No.
	20M540

Connected load of all devices must never exceed the total of 16 A! The automatic start/stop module does not limit the starting current of a machine or device.

Suction Hose

- for connection of the machine to a central dust and chip pipeline

Diameter	Item-no.
80 mm	150M1/80
90 mm	150M1/90
100 mm	150M1/100
120 mm	150M1/120
125 mm	150M1/125
140 mm	150M1/140
160 mm	150M1/160
180 mm	150M1/180

Hose Clamp

Diameter	Item-No.
60 – 80 mm	150M2/60
70 – 90 mm	150M2/70
80 – 100 mm	150M2/80
90 – 110 mm	150M2/90
110 – 130 mm	150M2/110
130 – 150 mm	150M2/130
150 – 170 mm	150M2/150
160 – 180 mm	150M2/170

Other pipeline components (different sizes, etc.) are available upon request!

Dust extractors

Industrial Vacuum Cleaner JET STREAM M

Characteristics
- all-purpose wet- and dry-vacuum cleaner
- low noise level
- dust class M
- antistatic equipment
- ON/OFF switch and automatic off-delay
- fully automatic filter cleansing
- low-dust disposal by filter bags
- incl. 3 m suction hose

Technical data
- dimensions W x D x H: 505 x 370 x 640 mm
- extraction nozzle: Ø 35 mm
- volume flow: max. 3180 l/m
- interface Vacuum: max. 210 mbr
- filter surface: 0,55 m²
- chip collector Volume: 41 litres
- power requirements: 220 – 240 V/50 – 60 Hz
- weight: 11 kg

	Item-No.
	28M1

o.Abb.

Spare parts
for JET STREAM M

Designation	Item-no.
Suction hose, length 3 m	28M13
Paper filter bags, PU = 5 pieces	28M11
Filter element	28M12

Additional parts
for JET STREAM M

Designation	Item-no.
Craftsman and trade set, 8-piece	28M10
Connection adapter for suction hose	28M14

28M10

28M14

Fitting & care area
Workstations
Ovens
Machines
Consumables
Dust extractors
Vacuum forming devices
Vacuum- & compressed air technology
Hand power tools
Tools
Storage equipment
Protective equipment

Vacuum forming devices

Vacupress 850 Deep Drawing Device

- for orthopaedic technology

Features
- vacuum pump with circulating oil lubrication
- vacuum flow: 25 m³/h
- vacuum Vessel: 25 l
- adjustable Vacuum control: -0,45 bar to -0,95 bar
- vacuum max.: -0,95 bar / 5 mbar absolute
- additional Vacuum connection for external Vacuum consumers
- water separation
- 3 m power cord with CEE plug 5 x 16 A

Technical data
- dimensions W x D x H: 960 x 1050 x 1070 mm
- frame size: 850 x 685 mm
- power requirements: 400 V / 50/60 Hz / 3 Ph / 0,75 kW at 50 Hz
  0,9 kW at 60 Hz
- weight: approx. 145 kg

	Item-No.
	168P505

Can be used for central Vacuum unit in the workshop!

open

closed

Vacupress, Deep-Drawing Unit

Tabletop device for connection to an external Vacuum pump

Features
- equipped with a soft flexing mat
- manual Vacuum adjustment
- vacuum and Ventilation separately adjustable
- connection with 3 m Vacuum hose Ø 13 mm (inner Ø)
- with integrated small-filter and non-return Valve

Technical data
- frame dimensions W x D (outer dimensions): 350 x 570 mm
- outer dimensions W x D x H: 360 x 660 x 180 mm
- weight: 18 kg

	Item-No.
	168P530

Vacuum forming devices

open

closed

Vacupress DUAL, Deep-Drawing Unit

with a frame that is double as broad

• tabletop device for connection to an external Vacuum pump

Features
• equipped with a soft flexing mat
• manual Vacuum adjustment
• vacuum and Ventilation separately adjustable
• connection with 3 m Vacuum hose Ø 13 mm (inner Ø)
• with integrated small-filter and non-return Valve

Technical data
• frame dimensions W x D (outer dimensions): 570 x 570 mm
• outer dimensions W x D x H: 610 x 660 x 140 mm
• weight: 22 kg

	Item-No.
	168P530/D

Vacuum Deep-Drawing Device

• expandable for line production, with exchangeable rubber mat and 2 ball Valves

Technical data
• dimensions W x D x H: 350 x 450 x 60 mm
• weight: approx. 12,5 kg net

	Item-No.
	168P57

Rubber Mat

Abb. ähnlich

• for item 168P57, for simple mount, perforated

Technical data
• dimensions W x D x H: 630 x 540 x 2 mm

	Item-No.
	168P58

Fitting &
care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum
forming devices

Vacuum- & com-
pressed air technology

Hand power
tools

Tools

Storage
equipment

Protective
equipment

Vacuum forming devices

Rubber Mat

- for item 168P500, 168P505, 168P530 and 168P530/D, soft, Very elastic

W x D x H	for Item-No.	Item-no.
600 x 450 x 1.2 mm	168P500	168P510
600 x 450 x 2.0 mm	168P500	168P516
850 x 680 x 2.0 mm	168P505	168P517
700 x 510 x 2.0 mm	168P530	168P519
700 x 700 x 2.0 mm	168P530/D	168P518

Vacuum Pump

- for item 168P530 and 168P530/D
- also suitable for mobile use

Features
- oil- and maintenance free
- filter/water separator 1/4"
- manual ON/OFF switch integrated in electric cord
- connection with 3 m Vacuum hose Ø 13 mm (inner Ø)

Technical data
- quoted suction Volume: 6m3/h = 6000 l/h
- final pressure: 60 mbar
- power requirements: 230 V/50 – 60 Hz/1 Ph/0,27 kW
- dimensions incl. accessory W x D x H: 280 x 200 x 265 mm
- weight: 9,5 kg

	Item-No.
	168P533

We recommend the filter/water trap 1/4" Item-No. 168P532!

Clamping Device

- for two-way suction
- to be clamped into the bench Vise
- suction is effected by means of two suction channels being separated from one another
- top and bottom foil may be tied and suctioned separately

Features
- clamping device
- suction tube with connecting nipple for hose, inner Ø 6 mm
- suction plate with connecting nipple for hose, inner Ø 6 mm

Abb. ähnlich

	Item-No.
	168P70

The clamping device without fixing block can be ordered by item-no. 168P72.

Vacuum forming devices

One Way Suction Pipe

- zinc-plated, straight with sealing-sleeve and hose

Diameter	Length	Item-No.
34 mm	365 mm	168P59

Two Way Suction Pipe

- zinc-plated, straight with sealing-sleeve
- Ø 25 und 33 mm with hose-piece for tying the PVA-foil
- Ø 48 mm without hose

Diameter	Length	Item-No.
25 mm	400 mm	168P60
33 mm	400 mm	168P61
48 mm	540 mm	168P62

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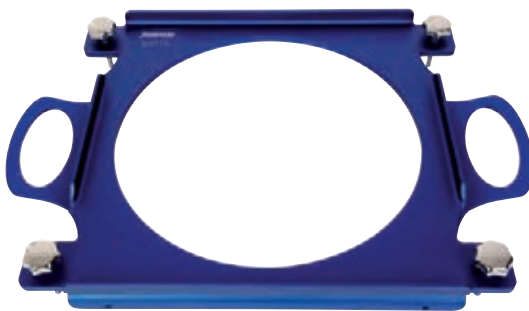
Deep-Drawing/Clamping Frame

- aluminum, Ø 360 mm
- for material thickness up to 20 mm

	Item-No.
	168P75

This item includes one deep-drawing frame (bottom part) and deep-drawing frame (upper part) incl. star screws.

Additional parts

for 168P75

Designation	Item-no.
Deep-drawing frame lower section, Ø 260 mm, aluminium	168P75/260
Non-stick template, 40 x 40 cm, PU = 20 pieces	168P75/S

168P75/260   168P75/S

Rack, height adjustable

- for deep-drawing 168P75
- Steel galvanised zinc plated
- adjustable in 3 different heights
- Total height: 3rd level 387 mm, 2nd level 307 mm, 1st level 227 mm
- suitable for heating cabinets and infrared ovens

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Vacuum forming devices

430 x 300 x 227-387 mm	168P76/H

The rack is height adjustable and suitable for inner dimensions from min. 230 mm up to max. 387 mm height.

Suction Pipe with Disc

- with 6 mm hose connection

Inner Ø clamping frame	Ø Vacuum Sealing Disc	Item-No.
260 mm	230 mm	168P77/260
360 mm	330 mm	168P77/360

o.Abb.

Spare parts

for 168P77/260 and 168P77/360

Designation	Item-no.
Vacuum sealing disc, Ø 230 mm for clamping frame Ø 260 mm	168P77/D26
Vacuum sealing disc, Ø 330 mm for clamping frame Ø 360 mm	168P77/D36
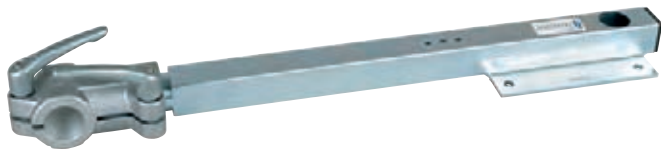
Cantilever Arm with Angle Clamp

- for items 168P77/260 and 168P77/360

Length	Item-no.
approx. 580 mm	168P79

Two Way Vacuum Pipe

- model support with three threaded pins, M8x20, galvanised
- pipe Ø 35 mm
- with Ø 8 mm hose connection

	Item-No.
	168P78

Vacuum forming devices

Deep-Drawing Tool Set

consisting of
- 168P75: deep-drawing frame, inner Ø 360 mm
- 168P75/S: non-stick jig (PU = 20 pieces)
- 168P76/H: base for deep-drawing frame
- 168P77: suction pipe with disc, Ø 360 mm
- 168P78: two way suction pipe
- 168P79: holder with angled clamp piece

	Item-No.
	168P7

Abb. ähnlich

Suction Arm

- suitable for mounting near resin casting stations or adhesive work stations
- energy saving due to low pressure loss

Features
- adjustable friction joints made of white polypropylene (PP)
- tubes made of thin walled, anodised aluminium
- round suction hood NW 250 mm, powder coated white aluminium
- support spring and threaded rod made of stainless steel
- with tightly closing shut-off Valve

Technical data
- suction arm: Ø 75 mm
- suction hood: Ø 250 mm
- recommended air flow: 150 m³/h (40 l/s)

90M25

90M26

Version	Range	Weight	Item-no.
for table mounting, incl. mounting plate	max. 1250 mm	3.05 kg	90M24/1250
for table mounting, incl. mounting plate	max. 850 mm	2.55 kg	90M24/850
for wall mounting, incl. wall bracket	max. 1500 mm	5.7 kg	90M25/1500
for wall mounting, incl. wall bracket	max. 800 mm	4.7 kg	90M25/800
for ceiling mounting, without ceiling bracket	max. 1500 mm	5.7 kg	90M26/1500
for ceiling mounting, without ceiling bracket	max. 900 mm	4.7 kg	90M26/900

90M26: Scope of supply does not include ceiling bracket. Various sizes available upon request.

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Vacuum- & compressed air technology

Vacumat Plus Type 262

- Vacuum unit for the manufacturing of thin-walled cast resin laminates and thermoplastic deep-drawing works

Features
- 2 separate, electronically infinitely adjustable Vacuum units with digital display
- 6 connections for resin lamination
- 2 connections for deep-drawing
- 2 connections for external units
- approx. 1.5 m connection cable with grounded plug
- Hose connection, inside Ø 6 mm

Technical data
- Dimensions B x T x H: 425 x 385 x 220 mm
- Suction capacity: 25 l/min, approx. 80 % Vacuum
- Power requirements: 220 – 230 V/50 Hz/1 Ph/0.14 kW

Weight	Item-No.
18.4 kg	168P50

Replacement filter 168P50/E1 also available separately. Special Voltage possible on request.

Vacumat Type 340

- Vacuum unit for the manufacturing of thin-walled cast resin laminates and thermoplastic deep-drawing works

Features
- 2 separate, electronically infinitely adjustable Vacuum units with pressure gauge
- 4 connections for resin lamination
- 2 connections for deep-drawing
- 2 connections for external units
- Hose connection, inside Ø 6 mm
- approx. 1.5 m connection cable with grounded plug

Technical data
- Dimensions B x T x H: 425 x 385 x 220 mm
- Suction capacity: 25 l/min, approx. 80 % Vacuum
- Power requirements: 220 – 230 V/50 Hz/1 Ph/0.14 kW
- Weight: 18 kg

	Item-No.
	168P51

Replacement filter 168P51/F and y-piece with filter 168P52/E3 also separately available. Special Voltage possible on request.

Vacuum- & compressed air technology

Water Separator

- for item 168P50 and 168P51
- bottle with rubber plug and two hose connectors Ø 8 mm

	Item-No.
	168P52/WA

Vacuum Tank

- for item 168P50 and 168P51

Volume	Weight	Item-No.
20 l	6 kg	168P55/20
50 l	23 kg	168P55/50

Vacuum Control Unit

- for connection to a central Vacuum unit like item 168P82/3540 or 168P83/3540
- with the 2 separate control Valves, you can adjust 2 different Vacuum circuits

Technical data
- Dimensions B x T x H: 230 x 230 x 180 mm
- Adjustment range: 0 – 80 %
- Hose connection outlet: 6 mm
- Ball Valve with hose connection, inner Ø: 6 mm
- Colour: RAL 7035 light grey
- Weight: 2 kg

	Item-No.
	168P91

Vacuum Pump

- very powerful mobile unit, for precise Vacuum-forming of thermoplastic sheet materials

Features
- vacuum Pump air-cooled
- water separator
- circulating oil lubrication
- non-return Valve
- oil mist trap
- ball Valve G 3/4"
- manometer gauge
- motor protection switch
- Vacuum Pump air-cooled

Fitting & care area
Workstations
Ovens
Machines
Consumables
Dust extractors
Vacuum forming devices
Vacuum- & compressed air technology
Hand power tools
Tools
Storage equipment
Protective equipment

Vacuum- & compressed air technology

- CSA + UL approval (optionally possible)
- 4 m power cord with CEE plug 5 x 16 A

Technical data
- W x D x H: 930 x 440 x 620 mm
- nominal suction capacity: 40 m³/h = 40,000 l/h
- ultimate pressure: 0.1 mbar (abs.)
- hose connection: G 3/4" DN 20
- power requirements: 400 V/50 Hz/3 Ph/1.1kW
- weight: approx. 55 kg net

	Item-No.
	168P82/3540

Vacuum Pump

- especially powerful, suitable for precise deep drawing of thermoplastic material

Features
- vacuum pump with circulating oil lubrication
- 25 Litres Vacuum Tank
- adjustable negative pressure control
- fully integrated control
- large dimensioned filter/water separator
- vacuum connection 1"ball Valve
- connection cable with CEE plug 5-pin, 16 A

Technical data
- Dimensions B x T x H: 500 x 650 x 750 mm
- vacuum connection 1"ball Valve
- suction power: 40 m3/h
- ultimate pressure: 5 mbar
- Power requirements: 400 V/50 – 60 Hz/3 Ph/1.35 kW
- Weight: 71 kg

	Item-No.
	168P83/3540

Vacuum Pump Oil for Vacuum Pump

- for items 168P81 and 168P82

Description	Content	Item-No.
VE 101 – ISO VG 100, synthetic	1 litre	117P25/1
VE 101 – ISO VG 100, synthetic	5 litres	117P25/5

1 litre bottle

Vacuum- & compressed air technology

Connection Hose

- PVC, transparent

PU = running meter

Inner Ø / Outer Ø / Wall thickness	Item-No.
5 mm / 8 mm / 1.5 mm	168P52/5x8
6 mm / 10 mm / 2 mm	168P52

T-piece for Vacuum Hose

Material
- POM
- colour: white

Characteristics
- operation pressure: 0 – 10 bar

PU = 5 pieces

for Vacuum Hose with inner diameter	Item-No.
6 mm	168P53/6
9 mm	168P53/9

Quick-Lock Coupling with Hose Nozzle

- stainless steel coupling 1/8" IG
- incl. 1 ea. hose nozzle D = 6 mm
- heat resistant up to 200 °C / 392 °F

	Item-No.
	168P54/1

Connector for Quick-Lock Coupling

- stainless steel 1/8" IG
- incl. 1 ea. hozehose nozzle D = 6 mm
- heat resistant up to 200 °C / 392 °F

	Item-No.
	168P54/2

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Vacuum- & compressed air technology

Hose Clamp for Vacuum Hose

- PU = 1 piece

for Vacuum Hose	for Item-No.	Item-No.
DI = 4 mm / DA = 9 mm	168P54/4	168P54/3
DI = 6 mm / DA = 12 mm	168P54/6	168P54/7
DI = 10 mm / DA = 18 mm	168P54/8	168P54/9

Silicone-Vacuum Hose

- heat resistant up to 200 °C
- PU = running meter

Dimensions	Item-No.
DI = 4 mm / DA = 9 mm	168P54/4
DI = 6 mm / DA = 12 mm	168P54/6
DI = 10 mm / DA = 18 mm	168P54/8

Vacuum Adapter

Application
- to attach of the suction hose which can be placed anywhere at Vacuum bag item-no. 50C1 and thus is independend from a suction unit

Characteristics
- suitable for silicone hose item-no. 70C1

PU = 1 piece

Outer diameter	Item-No.
6 mm	80C1

Silicone Hose, fabric reinforced

Material
- suction hose made of heat-resistant silicone
- colour: red

Application
- suction hose suitable for all Prepreg- resp. HTV-silicone processes

Characteristics
- with fabric reinforcement secured against Vacuum collapse
- temperature resistance: max. 300 °C

Vacuum- & compressed air technology

PU = running meter

Inner diameter	Wall thickness	Item-No.
6 mm	3 mm	75C1

Silicone Hose

Material
- suction hose made of heat-resistant silicone
- colour: transparent

Application
- suction hose suitable for all Prepreg- resp. HTV-silicone processes

Characteristics
- temperature resistance: max. 300 °C

PU = running meter

Inner diameter	Wall thickness	Item-No.
6 mm	2 mm	70C1

Mobile Compressor

Features
- single cylinder piston compressor
- full automatic operation by pressure switch with unloaded start and motor circuit breaker
- ON / OFF-switch
- suction filter with silencer
- manometer gauge
- quick hose coupling with male connector Ø 6 mm
- safety- and non-return Valve
- perspiration water drain
- wheels
- push handle bracket
- carrying handle bracket
- 3 m power cord with grounded plug

Technical data
- dimensions W x D x H: 900 x 420 x 760 mm
- suction Volume: 350 l/min
- delivery Volume at 6 bar pressure: 230 l/min
- tank Volume: 40 litres
- operation pressure: max. 10 bar
- power requirements: 230 V/50 Hz/1 Ph/1,9 kW
- weight: 63 kg net

	Item-No.
	169P60

This compressor has been approved by German TÜV Standards.

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Stationary Compressor

Features
- Double cylinder piston compressor
- full automatic operation
- air-cooled compressor block with ring-lubrication
- Suction filter with silencer
- Vibration insulation of compressor, motor and tank
- unloaded start for direct start and motor protection switch
- Pressure tank officially approved with certificate
- Manometer gauge
- Control flange
- Perspiration water drain
- quick hose coupling with male connector Ø 6 mm
- Safety and check Valve
- approx. 2 m power cord with CEE plug 5 x 16 A

Technical data
- Dimensions B x T x H: 1100 x 480 x 780 mm
- Suction Volume: 440 l/min
- delivery Volume at 6 bar pressure: 300 l/min
- Tank Volume: 90 litres
- operation pressure: max. 10 bar
- Sound level: 77 dB (A)
- Power requirements: 400 V / 50 Hz / 3 Ph / 2.4 kW
- Weight: 90 kg

	Item-No.
	169P61

This compressor has been approved by German TÜV Standards.

Quick Coupling with exterior thread

- brass, single shut-off
- max. work pressure 35 bar, oil-resistant seal
- temperature-resistant from -20 °C up to +100 °C

Thread	Item-No.
1/2"	169P75/GA
1/4"	169P75/KA
3/8"	169P75/MA

Quick Coupling with inner thread

- brass, single shut-off
- max. work pressure 35 bar, oil-resistant seal
- temperature-resistant from -20 °C up to +100 °C

Vacuum- & compressed air technology

Thread	Item-No.
1/2"	169P75/GI
1/4"	169P75/KI
3/8"	169P75/MI

Quick Hose Coupling

- for hose connection
- max. work pressure 35 bar, oil-resistant seal
- temperature-resistant from -20 °C up to +100 °C

Inner hose diameter	Item-No.
6 mm	169P76/6
9 mm	169P76/9

Y-Shape Coupling

- G 3/8"i, brass
- with 2 or 3 quick couplings incl. 2 male connectors 3/8"e x 3/8"e

Thread	Branchings	Item-No.
3/8" exterior	2	169P77/2
3/8" exterior	3	169P77/3

Hose Nozzle

- brass, for direct hose connection

Inner hose diameter	Item-No.
6 mm	169P78/6
9 mm	169P78/9

Hose Nozzle

- brass, for direct hose connection, hose Ø 6 mm

Spanner size	Thread	Item-No.
17 mm	R 1/4"	169P79/6A
19 mm	R 3/8"	169P79/6B
24 mm	R 1/2"	169P79/6C
14 mm	R 1/8"	169P79/6D

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Vacuum- & compressed air technology

Hose Nozzle

- brass, for direct hose connection, hose Ø 9 mm

Spanner size	Thread	Item-No.
17 mm	R 1/4"	169P79/9A
19 mm	R 3/8"	169P79/9B
24 mm	R 1/2"	169P79/9C

Plug Nipple

- brass, for threaded connection

Thread	Item-No.
R 1/2"a	169P80/GA
R 1/4"a	169P80/KA
R 3/8"a	169P80/MA

Hose Nipple

- brass, for threaded connection

Thread	Item-No.
R 1/2"i	169P80/GI
R 1/4"i	169P80/KI
R 3/8"i	169P80/MI

Sealing Tape

- PTFE, for sealing of metal connections

W x D x L	Item-No.
12 x 0.1 x 12 mm	169P83

Twin Service Unit

Features
- air pressure regulator
- air line lubricator
- semi-automatic water drain
- pressure range 0 – 12 bar
- manometer gauge
- filter element

Supplied without plug-in nipple

Connection thread	Item-No.
G 1/4"i	169P85/1
G 3/8"i	169P85/2
G 1/2"i	169P85/3

Vacuum- & compressed air technology

Air Pressure Hose

- fibre-reinforced, for work pressure up to 15 bar, wall thickness 3 mm
- PU = running meter

Inner diameter	Item-No.
6 mm	169P71
9 mm	169P72

Hose Clamp

- zinc-plated with cross head screw
- PU = 1 piece

for hose	Width	Item-No.
168P71, 6 x 3	11 – 16 mm	169P73
168P72, 9 x 3	12 – 20 mm	169P74

Spiral Air Pressure Hose

- Polyurethane, with connection fittings on both ends and anti-kink protection
- Outer diameter 10 mm, inner diameter: 6.5 mm

Technical data
- Pressure max. 10 bar

Working length	Item-no.
approx. 8 - 10 m	169P87/10
approx. 4 - 5 m	169P87/5

Pneumatic Drilling Machine

Features
- easy right-/left rotation changeover
- keyless drill chuck
- dust extraction through integrated silencer in the handle

Technical data
- rotation speed: 2000 rpm
- torque: max. 10 Nm
- drill chuck clamping range: 1 – 10 mm
- air consumption: 480 l/min
- operating pressure: 6,3 bar
- capacity: 0,4 kW
- max. sound pressure level: 88,7 dB(A)
- weight: 1,0 kg

use only with twin service unit 169P85.

	Item-No.
	80M13

Fitting & care area
Workstations
Ovens
Machines
Consumables
Dust extractors
Vacuum forming devices
Vacuum- & compressed air technology
Hand power tools
Tools
Storage equipment
Protective equipment

Pneumatic Drilling Machine

Features
- right/left hand drill action
- keyless chuck 3/8"
- powerful double drive for a quiet run and long-life cycle
- plug nipple for quick hose coupling

Technical data
- speed: 1800 RPM
- drill chuck clamping range: up to 10 mm
- air consumption: 460 l/min
- weight: 0.9 kg net
- operating pressure: 2 – 6.3 bar, max. 6.3 bar

	Item-No.
	169P68

Use only with twin service unit 169P85!

Spare parts
for 169P68

Designation	Item-no.
Paint beater, 60 mm, 380 mm length	169P68/F

Pneumatic Chipping Hammer

- complete with 5 different chisels and carry case
- pointed chisel: 185 mm
- flat chisel: 175 mm
- chisel for separating sheet metal: 175 mm
- chisel for cutting sheet metal: 180 mm
- chisel for removing bolts: 175 mm

Technical data
- frequency: 3000 RPM
- travel of chisel: 65 mm
- chisel holder: hexagonal, 10 mm
- hose connection: brass nipple
- air consumption: 150 – 240 l/min
- work pressure: 4 – 6 bar, max. 7 bar
- weight: 1,7 kg net

	Item-No.
	169P65

Use only with twin service unit 169P85.

Vacuum- & compressed air technology

o.Abb.

Spare parts
for 169P65

Designation	Item-no.
Chisel for pneumatic chisel hammer, width 20 mm, length 250 mm	169P65/250

Pneumatic Stapler

- for upholstering, tacking, etc., for staple size 6 – 16 mm length, with plug nipple for connection to quick hose coupling

Technical data
- air consumption: 0,5 litres per beat
- cartridge capacity: 155 staples
- work pressure: 3 – 6 bar
- weight: 0,900 kg net

	Item-No.
	169P66

Use only with twin service unit 169P85.

Additional parts
for 169P66

Designation	Item-no.
Staple, 6 mm, PU = 3000 pieces	37P9/6
Staple, 8 mm, PU = 3000 pieces	37P9/8
Staple, 10 mm, PU = 3000 pieces	37P9/10
Staple, 12 mm, PU = 3000 pieces	37P9/12
Staple, 14 mm, PU = 3000 pieces	37P9/14
Staple, 16 mm, PU = 3000 pieces	37P9/16

Air Gun

- aluminum

Features
- plug nipple for quick hose coupling

Technical data
- clear width of the hose: 6 mm
- weight: 0,260 kg net

	Item-No.
	169P86

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Vacuum- & compressed air technology

Tire Pressure Gauge

- aluminum

Features
- pressure gauge with rubber protection
- adapter nipple for car Valve
- adapter nipple for wheelchairs, bicycles and needle Valves
- plug nipple for quick hose coupling

Technical data
- weight: 1,0 kg net

	Item-No.
	169P67

Compressed Air Plaster Cast Saw

- oscillating saw

Features
- 1 saw blade 169P69/60
- 2 fork wrenches
- plug nipple for quick hose coupling
- flexible exhaust hose, item 169P69/A only

Technical data
- operation pressure: 6 bar, max. 6,2 bar
- rotation speed: 14000 rpm
- air consumption: 560 l/min
- max. cutting depth: 14,29 mm
- max. cutting width: 1,19 mm
- weight: 1 kg

Version	Item-No.
Compressed air plaster cast saw standard Version	169P69
Compressed air plaster cast saw with exhaust air hose	169P69/A

Use only with twin service unit 169P85!

Spare parts
for 169P69

o.Abb.

Designation	Item-no.
Saw blade, Ø 60 mm, PTFE-coated	169P69/60

Vacuum- & compressed air technology

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Hand power tools

Cross Line Laser

- self-levelling for horizontal and Vertical application, for prosthetic alignment or as plumb-line for casting
- beyond self-levelling range, the device turns off automatically
- the cross laser is a line laser that generates a horizontal and Vertical line

Technical data

- Weight: 0.3 kg
- Measuring accuracy: ± 2 mm / 10 m
- 3 °levelling range: ± 3° (± 5 %)
- batteries: 3 x AA 1.5
- laser category: 2 (635 nm)
- Automatic switch-off

Accessories

- Protective bag
- Wall mount
- Target board
- Batteries

	Item-No.
	145M27

Aluminium stand is available under order no. 145M26. The cross line laser is quickly and easily to calibrate and the beam is well Visible even in day light. Fields of application are prosthetics, orthotics and diagnosis.

Silicone / plaster mixer incl. mixing cup

Silicone / plaster mixer

- for mixing plasters and liquid silicones without air bubbles
- for wall and table mounting incl. stand
- Display for clear indication of all stirring parameters
- powerful motor with high torque range
- Vacuum 70-100% adjustable
- incl. mixing bowl with stirrer 500 ml

Technical data

- Dimensions W x D x H: 230 x 295 x 640 mm
- Speed: Drehzahl: 100 – 450 rpm
- Power requirements: 230 V / 50 - 60 Hz / 1 Ph / 0.18 kW
- Weight: 5.2 kg

	Item-No.
	90E20/1523

Hand power tools

Additional parts

for 90E20

Designation	Item-no.
Mixing cup for agitator, 500 ml	90E20/500E
Mixing cup for agitator, 1000 ml	90E20/1000

90E20/1000
Abb. ähnlich

Hand Grinder with Knee-Control Unit

- for fine grinding- and milling tasks

Hand-piece
- High performance grinder with comfortable handling
- low noise and Vibrations
- smooth running

Accessories hand-piece
- Collet Ø 2.35 mm
- Connection cord between hand-piece and control unit
- Hand-piece rest

Technical data hand-piece
- Speed range: clockwise rotation 1000 – 50000 RPM, counter-clockwise rotation limited to 5000 RPM
- Dimensions L x Ø: 165 x 29 mm
- max. torque: 7 Ncm
- Weight: 355 g

Knee-control unit
- 4 storable programmes
- constant rotation speed by automatic adjustment
- 4-colour display for easy recognition of the stored programs
- quick access to pre-set rotation speeds and torques

Accessories knee-control unit
- 2.5 m power cord with grounded plug

Technical data knee-control unit
- Dimensions B x T x H: 95 x 280 x 235 mm
- Power requirements: 100 – 240 V / 50 – 60 Hz / 1 Ph / 0.22 kW
- Weight: 3 kg

	Item-No.
	90E14

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Hand power tools

70E5

Autoclave

- high pressure device for polymerisation of acrylics (e. g. fingernails)
- incl. 1 m charging hose, safety valve, manometer gauge
- Material: Stainless steel
- Capacity: 6,0 Liter
- Inner dimensions: Ø22 cm / height 17 cm
- Operating temperature: max. 60 °C

	Item-no.
	70E5

Abb. ähnlich

Electronic Scale with Digital Display

- battery operated
- Auto-off function in battery mode (off after 2 minutes)
- weighing platform and housing made of stainless steel
- digit increment: 1 gram

Power source
- 9 V block battery (not included)
- Power supply optionally available

Technical data
- weighing range: 0 – 5000 g
- Outer dimensions W x D x H: 150 x 170 x 32 mm
- Platform size W x D: 120 x 150 mm
- Weight: 0.69 kg

	Item-No.
	168P10

Hot Air Blower "Electron ST"

Features
- Hot air flow up to 650 °C, infinitely adjustable
- Air flow max. 320 l/min
- Carrying case
- 3 m power cord with grounded plug

Power requirements	Item-no.
230 V / 50-60 Hz / 1 Ph / 3.4 kW	168P41/1523

Hand power tools

Hot Air Blower „Triac ST"

Features
- Hot air flow 40 – 700 °C, continuously adjustable
- Air flow max. 240 l/min
- Carrying case
- 3 m power cord with grounded plug
- Weight: 990 g

Power requirements	Item-no.
230 V/50 – 60 Hz/1 Ph/1.6 kW	168P40/1523

The entire nozzle assortment of the previous model „Triac S" is compatible with model „Triac ST".

Additional parts
for 168P40

Designation	Item-no.
High-speed welding nozzle, 3 mm	168P410/3
High-speed welding nozzle, 4 mm	168P410/4
High-speed welding nozzle, 5 mm	168P410/5

Receiver Station

- for item 168P40 and 168P41

	Item-No.
	168P44

Hot Air Gun „Ghibli"

Features
- Hot air flow from 50° up to 650 °C, infinitely adjustable
- Air flow max. 300 l/min (20°)
- tube nozzle Ø5 mm included
- Carrying case
- Connection cable with grounded plug

Technical data
Power requirements: 230 V/50-60 Hz/1 Ph/2.3 kW

Power requirements	Item-No.
230 V/50-60 Hz/1 Ph/2.0 kW	168P42
120 V/50-60 Hz/1 Ph/1.5 kW	168P42/120

Hand power tools
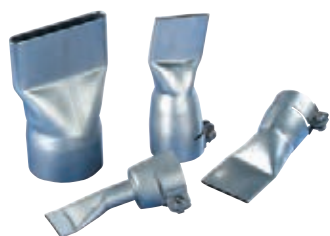
Wide Slit Nozzle

Dimensions	Item-No.
20 x 2 mm for Item-No. 168P40	168P46
40 x 2 mm for Item-No 168P40	168P47
20 x 2 mm for Item-No. 168P42	168P48
70 x 10 mm for Item-No 168P41	168P49

Hot Air Gun

Features

- Heat accumulation warning and residual heat display
- LOC - function, to lock settings
- LCD display for temperature and air supply
- Temperature range 80 - 650 °C, adjustable in 10 °C steps
- Air Volume 150 - 500 l/min., 2 stages
- 4 set application programmes
- 3 m power cord with grounded plug

Technical data

- Power requirements: 230 V/50 – 60 Hz/1 Ph/2.3 kW
- Weight: 1.0 kg

	Item-No.
	168P27/1523

Additional parts

for 168P27/1523

Designation	Item-no.
12-piece accessories: wide jet nozzle 75 mm, jet nozzle 75 mm, reducing nozzle 14 mm, reducing nozzle 9 mm, wide slot nozzle, welding nozzle, reflector nozzle, spatula, scraper handle, 3 replacement blades	168P27/E1

Hand power tools

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Hot Sealing Iron

- for sealing of PVC- and PVA sheeting

Features
- PTFE sheeting covered surface
- retainer clip
- range 100 – 180 °C
- 1,50 m power cord with grounded plug

Technical data
- power requirements: 230 V/50 Hz/1 Ph/0,2 kW

Heating area	Item-No.
40 x 110 mm	168P5

Additional parts
for 168P5

Designation	Item-no.
Appliance tray	168P5/S
PTFE Tape, Width: 200 mm, PU = 2 m	119P22

168P5/S

119P22

Thermic Shear

Equipment
- without cutting wire
- 2 m power cord with grounded plug

Technical data
- power requirements: 230 V/50 Hz/1 Ph/0,12 kW

	Item-No.
	168P30

Scope of supply does not include Thermal knife

Additional parts
for 168P30

Designation	Item-no.
Thermal knife, 50 mm	168P31/50
Thermal knife, 100 mm	168P31/100

Circular Cutter

- cuts textiles, sheeting materials and soft leather

Features
- max. cutting height 8 mm
- built-in sharpening device incl. 2 circular cutting blades (6-flanged)
- 2.8 m power cord with grounded plug

Technical data
- power requirements: 230 V/50 Hz/1 Ph/0.056 kW

	Item-No.
	168P26

o.Abb.

Spare parts

for 168P26

Designation	Item-no.
Replacement six-bow knife	168P26/E

EC-Cutter-Set

Features
- with toothed blade
- Hand grip with short blade for curves
- Blade with guidance for straight cuts
- Mains cable with plug and electric charger

Technical data
- Tool holder: approx. 0.25 kg net
- Length: ca. 220 mm
- Power requirements: 230 V/50 Hz/1 Ph

Features	Item-No.
230 V/50 Hz	80C10

Oscillating Tool „Multimaster"

- multi purpose hand tool with Various accessories for sawing, sanding and scraping

Features
- 1 x grinding plate
- 5 sanding sheets each, perforated grit 60, 80, 120, 180
- 1 x solid scraper
- 1 E-Cut Long Life saw blade 10mm
- 1 E-Cut Carbide Pro saw blade 32mm
- 2 E-Cut Long Life saw blade 35mm

Hand power tools

- 2 E-Cut Long Life saw blade 65mm
- 1 H M Saw Blade Ø 75mm
- 1 H M rasp (triangular shape)
- 1 Suction device
- 1 x HSS segment saw blade
- Standard HSS saw blade Ø 80 mm
- plastic tool case

Technical data
- power requirements: 230 V / 50 Hz / 1 Ph / 0.35
- oscillating frequency: 10000 – 19500 1/min
- 5 m power cord with grounded plug
- weight: 1.4kg

	Item-No.
	168P29/1523

o.Abb.

Spare parts
for 168P29

Diameter	Item-no.
Spare saw blade, Ø 80 mm, round, PU = 2 pieces	168P29/E80
Replacement saw blade, Ø 80 mm, segment saw blade, half-round, PU = 1 piece	168P29/80S

Oscillating Saw

- continuously adjustable oscillation frequency from 12.000 – 21.000 rpm

Features
- 1 round saw blade each, Ø50 and 65 mm
- 2 fork wrenches
- 4.5 m connection cable with 2-pin plug (USA)

Technical data
- Power requirements: 220-240 V / 50-60 Hz / 1 Ph / 0.25 kW
- Weight: 1.7 kg

	Item-No.
	168P21/1523

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Hand power tools

Oscillating Saw with rechargeable battery

- vibration frequency infinitely Variable from 11.000 - 18.000 rpm

Features
- Quick charger
- 1 x 5.0 Ah battery
- 1 round saw blade each, Ø50 and Ø65
- 2 fork wrenches

Technical data
- Battery Voltage: 14.4 VDC
- Charger Voltage: 220-240 V/50-60 Hz/1Ph
- Weight: 1.8 kg

	Item-No.
	168P22/1523

o.Abb.

Circular Saw Blade

- spare saw blade for item 168P22/1523 and 168P22/1511
- HSS, specially hardened

Diameter	Item-No.
50 mm	168P22/E2
65 mm	168P22/E3

Cordless Drill

Features
- Quick charger
- 2 x 4.0 Ah Li-ion battery/cool pack technology
- 13 mm auto-lock drill chuck
- right-/left rotation
- 2 speed
- LED-light for illumination of work area
- 1 belt clip
- Carry case

Technical data
- drill chuck range: min. 1.5 mm – max. 13 mm
- battery Voltage: 18 V
- battery capacity: 5.0 Ah
- torque levels: 20+1
- torque range, max. soft/hard: 28/63 Nm
- idle range (1. gear/2. gear): 0 – 500/0 – 1900 min-1
- drilling capacity Ø steel/wood: 13/38 mm
- screwing capacity: Ø max. 8 mm
- weight: 1.7 kg incl. battery

case

battery

	Item-No.
	80M12

Hand power tools

Additional parts

for 80M12

107P10

107P11

Designation	Item-no.
HSS burr set, 0.5 kg, in plastic box, shank Ø 6 mm, ten pieces	107P10
Sanding pin set, shank Ø 6 mm, hardness grade M, grit size coarse, ten pieces	107P11

Angle Grinder

Features
- additional handle, applicable to the left or right side
- new rotation secured wheel guard
- strong, durable high-performance motor from Champion
- optimised engine cooling system
- protective hood

Technical data
- no-load speed: 11000 RPM
- spindle thread: Ø 125 mm
- power entry: 1100 W
- power release: 630 W
- power requirements: 230 V/50 Hz/1 Ph/1,1 kW
- weight: 2,1 kg net

	Item-No.
	80M7

Additional parts

for 80M7

80M7/1

80M7/2

Diameter	Item-no.
Roughing disc, Ø 125 x 6 mm	80M7/1
Cutting disc, Ø 125 x 2.5 mm	80M7/2

Electronic Jig Saw „Professional"

Features
- adjustable four-level oscillation
- toolless saw blade clamping system
- suction set with suction nozzle
- 1 saw blade (softwood)
- swivel mounted guide shoe +/- 45°
- chipping protection screen
- adjustable speed-control
- carry case
- 4 m power cord with grounded plug

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Hand power tools

Technical data
- cutting depth in wood: 150 mm
- cutting depth in aluminium: 20 mm
- cutting depth in unalloyed steel: 10 mm
- lifting height: 26 mm
- power requirements: 230 V/50 Hz/1 Ph/0,78 kW
- weight: 2,6 kg

	Item-No.
	80M8

Additional parts

for 80M8

Designation	Item-no.
Jigsaw blades, for hardwood, softwood and plastic, saw blade length 100 mm, PU = 5 pieces	80M1/1
Jigsaw blades, for non-ferrous metals, mild steel and aluminium, saw blade length 92 mm, PU = 5 pieces	80M1/3

Tools

Staple Gun

- manual operation for nailing, stapling, covering, etc.
- feeder unit for 100 staples
- for staples type: 58
- back width: 13 mm
- staples' length: 4 – 14 mm

	Item-No.
	168P12

o.Abb.

Spare parts

for 168P12

Designation	Item-no.
Staples, 6 x 13 mm, 5000 pieces	37P6/6
Staples, 10 x 13 mm, 5000 pieces	37P6/10
Staples, 12 x 13 mm, 5000 pieces	37P6/12
Staples, 14 x 13 mm, 5000 pieces	37P6/14

Staple Remover

- to remove staples

	Item-No.
	168P13

Steel Hammer

- with handle

Weight	Item-no.
100 g	170P1/100
200 g	170P1/200
300 g	170P1/300
500 g	170P1/500

Ball Peen Hammer

- with handle, short head, one flat camber and one round camber

Weight	Item-No.
250 g	170P2/250
375 g	170P2/375
500 g	170P2/500

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Ball Peen Hammer

- with handle, long head, round camber both sides

Weight	Item-No.
250 g	170P3/250
375 g	170P3/375
500 g	170P3/500

Peen Hammer

- with handle, two different peen arches

Weight	Item-No.
250 g	170P4/250
375 g	170P4/375
500 g	170P4/500

Soft Face Hammer

- cast iron housing, wooden handle with replaceable plastic faces:
- 1 x TPE soft face (blue): 65 Shore A +/-5
- 1 x rubber face: 90 Shore A +/-5

Ø Head	Weight	Item-No.
30 mm	340 g	170P7/30
40 mm	630 g	170P7/40
50 mm	1170 g	170P7/50

Other inserts upon request.

Rubber Mallet

- with handle

Ø Head	Item-No.
65 mm	170P5

Combination Pliers

- CV-steel, plastic coated handles

Length	Item-No.
160 mm	171P1/160
180 mm	171P1/180

Tools

Flat Nose Pliers

- CV-steel, plastic coated handles

Length	Item-No.
160 mm	171P2/160

Round Nose Pliers

- CV-steel, plastic coated handles

Length	Item-No.
140 mm	171P3/140
160 mm	171P3/160

Flat Nose Pliers „Langbeck"

- CV-steel, plastic coated handles

Length	Item-No.
160 mm	171P4/160

Angled Snipe Nose Pliers

- CV-steel, plastic coated handles, 45° angle

Length	Item-No.
200 mm	171P5/200

Side Cutter

- CV-steel, plastic coated handles

Length	Item-No.
160 mm	171P6/160
180 mm	171P6/180

End Cutting Nippers

- CV-steel, plastic coated handles

Length	Item-No.
160 mm	171P7/160

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Carpenter's Pincers

- CV-steel, plastic coated handles

Length	Item-No.
180 mm	171P8/180
210 mm	171P8/210

Plastic Side Cutter

- CV-steel, forged, oil-hardened, plastic coated handles

Length	Item-No.
160 mm	171P16/160

Toggle Joint Wire Nippers

- for hard wire

Length	Item-No.
180 mm	171P9/180
210 mm	171P9/210

Waterpump Pliers

- CV-steel, plastic coated handles

Length	Item-No.
250 mm	171P15/250

Grip Pliers

- nickel-plated

Length	Item-No.
250 mm	171P10
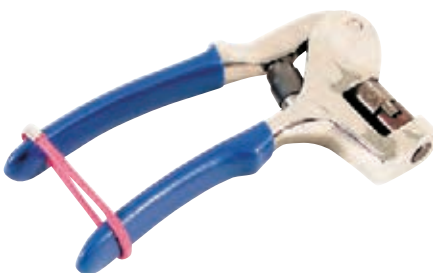
Lace Tip Pliers

- with insert for metal lace tip item-no. 67P2/10x8

Features	Item-No.
with insert	171P14

Use metal lace tips for this purpose, order no. 67P2/10x8

Tools

Chisel/Punch Set 6-part

- CV-steel, coated, in metal case

Components
- 1 flat chisel, L = 150 mm, B = 12 mm
- 1 flat chisel, L = 125 mm, B = 12 mm
- 1 center punch, Ø 4 mm, L = 120 mm
- 1 pin punch Ø 3 mm, L = 120 mm
- 1 pin punch Ø 4 mm, L = 120 mm
- 1 cape chisel, L = 125 mm, B = 4 mm

	Item-No.
	172P2

Pin Punch Set

- 6 pcs., chrome-vanadium-steel, coated, in metal case

Components
- Pin punches: 3, 4, 5, 6, 8 and 10 mm

	Item-No.
	172P3

Rivet Setter

- CV-steel, coated

Rivet ø	Item-No.
3 mm	172P4/3
4 mm	172P4/4
5 mm	172P4/5
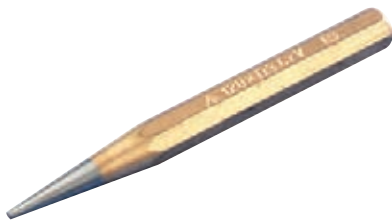
Pin Punch

- CV-steel, coated

Diameter	Item-No.
2 mm	172P6/2
3 mm	172P6/3
4 mm	172P6/4

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools
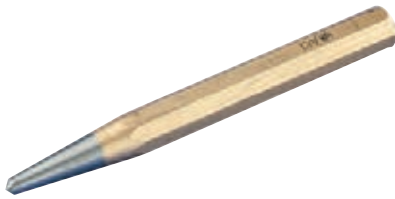
Center Punch

- CV-steel, coated

Length	Item-No.
120 mm	172P5

Automatic Center Punch

Length	Item-No.
130 mm	172P1/130

o.Abb.

Spare parts

for 172P1/300

Designation	Item-no.
Replacement tip	172P1/E

Rivet Header

- CV-steel, coated

Rivet ø	Item-No.
3 mm	162P5/3
4 mm	162P5/4
5 mm	162P5/5
6 mm	162P5/6

Number Die Set

- 0 – 9 in plastic case

Numerical height	Item-no.
4 mm	162P35/4
5 mm	162P35/5

Steel Letter Set

- A – Z in plastic case

Character height	Item-no.
4 mm	162P36/4
5 mm	162P36/5

Tools

Screw Driver

- CV-steel, with shock-resistant PP plastic handle

Blade width	Item-No.
2.5 mm	173P4/2
3.5 mm	173P4/3
4.0 mm	173P4/4
5.5 mm	173P4/5
6.5 mm	173P4/6
8.0 mm	173P4/8
10.0 mm	173P4/10

Screw Driver Set

- 6-part, CV-steel, comes in wooden stand

Blade width	Item-No.
3.5 - 4.0 - 5.5 - 6.5 - 8.0 - 10.0 mm	173P4/S

Philips Head Screw Driver

- CV-steel, with shock-resistant PP plastic handle

Size	Item-No.
0	173P5/0
1	173P5/1
2	173P5/2
3	173P5/3

Philips Head Screw Driver Set

- 4-part, CV-steel, comes in wooden stand

Sizes	Item-No.
0, 1, 2, 3	173P5

173P5

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

T-Handle Hex Wrench

• CV-steel with plastic handle

Spanner size	Item-No.
2 mm	173P3/2
3 mm	173P3/3
4 mm	173P3/4
5 mm	173P3/5
6 mm	173P3/6
8 mm	173P3/8
10 mm	173P3/10

Hex Socket Wrench

• CV-steel with plastic T- handle, length 150 mm

Spanner size	Item-No.
6 mm	173P8/6
7 mm	173P8/7
8 mm	173P8/8
9 mm	173P8/9
10 mm	173P8/10
11 mm	173P8/11
12 mm	173P8/12
13 mm	173P8/13
14 mm	173P8/14
17 mm	173P8/17

Hex Socket Wrench

• with turning bar, zinc-plated

173P15/11, 173P15/17   173P15/16

Spanner size	Length	Item-No.
11 mm	120 mm	173P15/11
16 mm	240 mm	173P15/16
17 mm	200 mm	173P15/17

Allen Key Set

• 9 parts, CV-steel, with case
• width across: 1,5 - 2,0 - 2,5 - 3,0 - 4,0, 5,0 - 6,0 - 8,0 - 10,0 mm

	Item-No.
	173P7

Tools
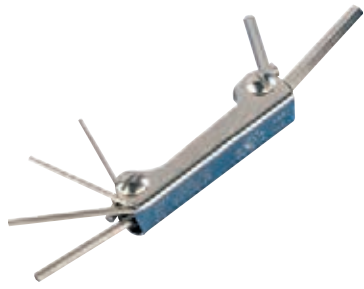
Allen Key Set

- 7-part, CV-steel
- width across: 2,5 - 3 - 4 - 5 - 6 - 8 - 10 mm

	Item-No.
	173P2

Cranked Socket Key CV-set Torx

- 8 pc.
- TX9 - TX10 - TX15 - TX20 - TX25 - TX27 - TX30 - TX40 - TX45
- chrome Vanadium steel, hardened and powder-coated
- with ball head on one side
- with colour codes
- for screws with female Torx profile

	Item-No.
	173P27

Torque Wrench

- range 2 – 10 Nm, 1/4" square head
- torque Value set on handle end and Visible on torque scale
- including calibration certificate

Total key length	Item-No.
185 mm	173P10

The torque wrench has to be recalibrated every year according to the ISO certification. We willingly offer you this service.

Torque Wrench

- Total key length: 265 mm
- measuring range 6 - 30 Nm, 1/4°, square
- Pull-out Values adjustable at the end of the handle and readable on scale
- inserts for hexagon socket screws width across flats 3, 4, 5, 6, 8 and 10
- sheet metal box with corresponding insert
- calibration certificate

Total key length	Item-No.
265 mm	173P11

The torque wrench has to be recalibrated every year according to the ISO certification. We willingly offer you this service.

Fitting &
care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum
forming devices

Vacuum- & com-
pressed air technology

Hand power
tools

Tools

Storage
equipment

Protective
equipment

Tools

Insert

- for torque wrench 173P10 and 173P11, SL = Shank Length

Spanner size	SL	Item-No.
3 mm	30 mm	173P12/3
4 mm	45 mm	173P12/4
5 mm	45 mm	173P12/5
6 mm	45 mm	173P12/6
8 mm	45 mm	173P12/8
10 mm	45 mm	173P12/10

Screwdriver Bit Socket, Torx 1/4"

- Screwdriver bit socket Torx with pressed-in pin Vanadium special steel, manganese-phosphated
- female square drive, as per DIN 3120 - C6, 3, ISO 1174 with ball retaining groove
- Hand-operated, non-slip, knurled grip, chrome-plated

Size	Length	Item-No.
TX20	30.5 mm	173P26/20
TX20	30.5 mm	173P26/25

Hole Punch Set

- conical head, Ø 2 – 20 mm, 19-part, in wooden stand, enamelled

	Item-No.
	162P1

Hole Punch

- stove-enamelled

Hole Ø	Item-no.
1 mm	162P1/1
2 mm	162P1/2
3 mm	162P1/3
4 mm	162P1/4
5 mm	162P1/5
6 mm	162P1/6
7 mm	162P1/7
8 mm	162P1/8

Tools

9 mm	162P1/9
10 mm	162P1/10
11 mm	162P1/11
12 mm	162P1/12
13 mm	162P1/13
14 mm	162P1/14
15 mm	162P1/15
16 mm	162P1/16
17 mm	162P1/17
18 mm	162P1/18
19 mm	162P1/19
20 mm	162P1/20
30 mm	162P1/30
35 mm	162P1/35
40 mm	162P1/40
50 mm	162P1/50

Hole Punch Set

- Ø 1 – 20 mm. 20-part, in wooden stand, stove-enamelled

	Item-No.
	162P6

Hole Punch

- stove-enamelled

Hole Ø	Item-no.
1 mm	162P6/1
2 mm	162P6/2
3 mm	162P6/3
4 mm	162P6/4
5 mm	162P6/5
6 mm	162P6/6
7 mm	162P6/7
8 mm	162P6/8
9 mm	162P6/9
10 mm	162P6/10
11 mm	162P6/11
12 mm	162P6/12
13 mm	162P6/13
14 mm	162P6/14
15 mm	162P6/15

16 mm	162P6/16
17 mm	162P6/17
18 mm	162P6/18
19 mm	162P6/19
20 mm	162P6/20
25 mm	162P6/25

Button Hole Punch

- coated

Hole Ø	Slot length	Item-No.
2 mm	10 mm	162P2/210
3 mm	10 mm	162P2/310
3 mm	12 mm	162P2/312
4 mm	12 mm	162P2/412

Slot Hole Punch

- coated

W x L	Item-No.
3 x 12 mm	162P4/312
4 x 17 mm	162P4/417
4 x 25 mm	162P4/425

Twist Drill, HSS (DIN 338)

- straight shank, right-hand cut

Diameter	Item-No.
1.0 mm	152P2/010
2.0 mm	152P2/020
2.5 mm	152P2/025
2.6 mm	152P2/026
2.7 mm	152P2/027
2.8 mm	152P2/028
3.0 mm	152P2/030
3.1 mm	152P2/031
3.2 mm	152P2/032
3.3 mm	152P2/033
3.5 mm	152P2/035
3.6 mm	152P2/036
3.8 mm	152P2/038
4.0 mm	152P2/040
4.1 mm	152P2/041

Tools

4.2 mm	152P2/042
4.4 mm	152P2/044
4.5 mm	152P2/045
4.6 mm	152P2/046
5.0 mm	152P2/050
5.5 mm	152P2/055
6.0 mm	152P2/060
6.5 mm	152P2/065
7.0 mm	152P2/070
7.5 mm	152P2/075
7.8 mm	152P2/078
8.0 mm	152P2/080
8.5 mm	152P2/085
9.0 mm	152P2/090
9.5 mm	152P2/095
10.0 mm	152P2/100
10.5 mm	152P2/105
11.0 mm	152P2/110
12.0 mm	152P2/120
12.5 mm	152P2/125

Twist Drill Set, HSS (DIN 338)

- 19-part, in metal case
- straight shank, right-hand cut, 1 – 10 mm, 0,5 mm ascending

	Item-No.
	152P2

Twist Drill Set, HSS (DIN 338)

- 25-part, in metal case
- straight shank, right-hand cut, 1 – 13 mm, 0,5 mm ascending

	Item-No.
	152P4

Twist Drill Set, HSS (DIN 338)

- 50-part, in metal case
- straight shank, right-hand cut, 1 – 5,9 mm; 0,1 mm ascending

	Item-No.
	152P3

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Twist Drill, HSS-Co (DIN 338)

- straight shank, right-hand cut, for hard metals, like V2A-steel and titanium

Diameter	Item-No.
2.5 mm	152P6/2,5
3.2 mm	152P6/3,2
3.6 mm	152P6/3,6
4.2 mm	152P6/4,2
5.5 mm	152P6/5,5
6.2 mm	152P6/6,2
7.5 mm	152P6/7,5

Center Drill Bit, HSS (DIN 333)

- straight shank Ø 8 mm, countersink angle 60°, right-hand cut

Diameter	Item-No.
3.15 mm	152P9

Countersink Drill, HSS (DIN 335 C)

- straight shank Ø 8 mm, countersink angle 90°

Ø outside	Item-No.
12.4 mm	152P10

Countersink Drill Set, HSS (DIN 335 C)

- 6-part, with straight shank
- countersink angle 90°
- 3 blades, for counterboring and burring
- sizes: 6,3 / 8,3 / 10,4 / 12,4 / 16,5 / 20,5 mm

	Item-No.
	152P11

Tools

Forstner Drill

- straight shank, extra long

Diameter	Item-No.
10 mm	150P2/10
12 mm	150P2/12
14 mm	150P2/14
16 mm	150P2/16
18 mm	150P2/18
20 mm	150P2/20
22 mm	150P2/22
24 mm	150P2/24
25 mm	150P2/25
26 mm	150P2/26
28 mm	150P2/28
30 mm	150P2/30
32 mm	150P2/32
35 mm	150P2/35
40 mm	150P2/40

Forstner Drill Set

- 15-part, in wooden stand, right-hand cut, for wood works
- Ø 10, 12, 14, 16, 18, 20, 22, 24, 25, 26, 28, 30, 32, 35, 40 mm

	Item-No.
	150P2/S

Peeling Drill, Tapered, HSS

Diameter	Item-No.
3 – 14 mm	151P5/314
4 – 20 mm	151P5/820
16 – 30 mm	151P5/1630

Peeling Drill Set, Tapered, HSS

- 3-part, in plastic case, with peeling paste
- diameter: 3 – 14 mm, 4 – 20 mm, 16 – 30,5 mm

	Item-No.
	151P5

Tools

Special Countersink Tool

- for all popular lock systems

Diameter	Item-No.
22 mm	150P1

Hand Reamer, HSS

- straight shank with square end, spiral fluted

Diameter	Item-no.
5.0 mm	152P7/050
6.0 mm	152P7/060
7.0 mm	152P7/070
8.0 mm	152P7/080
9.0 mm	152P7/090
10.0 mm	152P7/100

Hand Tap Set, HSS

- 3-part, pre-, middle- and finishing tap, in plastic case
- for metric ISO-threads

Thread	Item-No.
M3	153P11/3
M3.5	153P11/3,5
M4	153P11/4
M5	153P11/5
M6	153P11/6
M8	153P11/8
M10	153P11/10

Single Cut Tap, HSS

- DIN 355, finishing tap
- for metric ISO-threads

Thread	Item-no.
M3	153P12/3
M4	153P12/4
M5	153P12/5
M6	153P12/6
M8	153P12/8

Tools

Folding Ruler, wood

• 1 mm calibration, 2000 mm length

Material	Item-No.
Wood	163P1
Light metal	163P52

Steel Tape Measure

• with wrist strap
• automatic tape rewind with stop button
• yellow tape
• black/red milimeter-scale
• dimensions L x W: 2000 x 13 mm

	Item-No.
	163P21

Tailor's Measuring Tape

Length	Item-No.
2000 mm	163P2

Shoemaker's Measuring Tape

• calibration both sides: cm/stitch length/engl. sizes

Length	Width	Item-No.
600 mm	12 mm	163P18

Flexible Steel Ruler

Length	Item-No.
300 mm	163P8
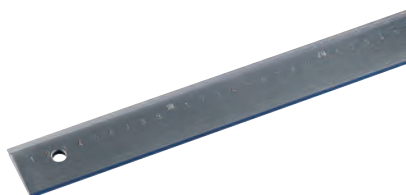
Steel Ruler

• with bevel and scale, zinc plated, mm-scale

Length	Item-No.
500 mm	163P7/500
1000 mm	163P7/1000

Tools

Steel Square

Length	Item-No.
150 x 100 mm	163P9
150 x 100 mm with stop	163P9/A

Vernier Caliper

- plastic pouch, Vernier scale 1/20 mm

Measuring range	Item-No.
150 mm	163P12

Vernier Caliper

- vernier scale 1/20 mm, extra long jaws

Measuring range	Item-No.
200 mm	163P19

Body Caliper „Streifeneder"

- for measuring of body segments

Measuring range	Item-No.
400 mm	165P18/400
600 mm	165P18/600

Bow Compass

Length	Item-No.
150 mm	163P3/150
200 mm	163P3/200

Steel Scriber

Length	Item-No.
250 mm	163P14

Tools

Plumb Bob

- pear-shaped

Length	Weight	Item-No.
75 mm	250 g	163P55

Hip Compass

- „mm" and „inch" calibration

Measuring range	Item-No.
500 mm / 20 inches	163P16

Goniometer

Measuring range	Item-No.
0 – 360 °	163P15

Flexible Ruler

- for measuring of body contours
- without cm-indication

Length	Item-No.
400 mm	163P70/40
600 mm	163P70/60

Bow Caliper

Measuring range	Item-No.
120 mm	163P17

Outside Caliper

Length	Item-No.
150 mm	163P4

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Spacer Set

- spacer set, for leg length compensation, 6-part: 5, 10, 15, 20, 25 and 30 mm

Dimensions	Item-No.
320 x 150 mm	165P19

Parallel Scriber

- with round steel base, no calibration
- scriber rotates and pivots

Scribing height	Item-No.
up to 500 mm	163P51

Height Gauge

- made of wood, cm-calibration

Scribing height	Weight	Item-No.
max. 1000 mm	0.650 kg	163P53

Pelvic Level

- for determination of the hip tilt

Length	Item-No.
330 mm	165P13

Measuring Gauge

- for inside circumfer. of AK and BK sockets

Measuring range	Item-No.
12 – 37 cm	165P14/US
22 – 66 cm	165P14/OS

Tools
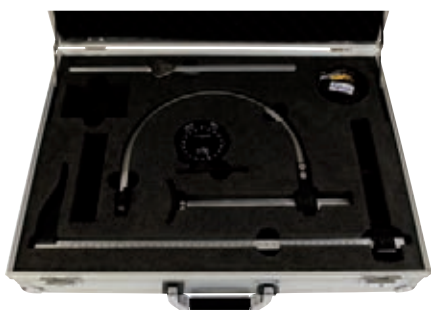
M.A.S. Tool Kit

- for practical measurement of the muscular and bony structure to produce an anatomical transfemoral socket

in an aluminium case, consisting of:
- 163P31: Tuber-M-L-Gauge
- 163P32: Diagometer
- 163P33: Ramus Angle Gauge
- 163P34: Plurimeter-V
- M.A.S Compressive Measuring Tape

	Item-No.
	163P29

Tuber-M-L-Gauge

- scale in two measurement ranges
- measurement range 1: determination of distances in BK and AK areas (A-P and M-L)
- measurement range 2: determination of stump lengths

	Item-No.
	163P31

Diagometer

- concave and flat contact face
- diagonal measuring
- measurement range 70-125 mm

	Item-No.
	163P32

Ramus Angle Gauge

- measurement range +/- 60°
- for measuring the ramus angle
- for measuring extension and flexion as well as ab- and adduction in BK and AK ranges

	Item-No.
	163P33

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Plurimeter-V

- for measuring of the flexion position of the residual leg
- automatic raster for each quarter rotation
- easy finding of the 0-preliminary setting

	Item-No.
	163P34

M.A.S. Compressive Measuring Tape

- tension control Via springs
- adjustable tension on 2 kg and 4 kg
- this allows a uniform reproducible way of measuring

	Item-No.
	163P35

Shoe Stretcher

- coated

Length	Item-No.
400 mm	165P32

Shoe Stretcher

- with locking mechanism, coated

Length	Item-No.
400 mm	165P33

Welt Pincers

- for leather
- steel-forged, plastic coated handles

Length	Item-No.
200 mm	165P4

Tools
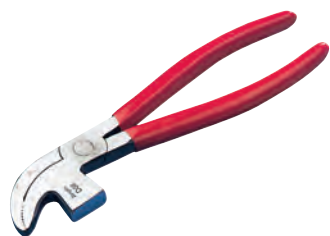
Hammer Stretching Pliers

- for leather
- steel-forged, plastic coated handles

Length	Item-No.
200 mm	165P7

Holding Forceps

- Stainless steel, rust-proof

Length	Item-No.
250 mm	165P45

Revolving Hole Punch

- forged steel, plastic coated handles, with mini brass anvil
- replaceable hole punches: Ø 1,5 - 2 - 2,5 - 3 - 3,5 - 4 mm

Length	Item-No.
245 mm	165P3

o.Abb.

Spare parts
for 165P3

Designation	Item-no.
Spare spring	165P3/F

Additional parts
for 165P3

Designation	Item-no.
Hole punch, Ø 1.5 mm	165P3/1,5
Hole punch, Ø 2.0 mm	165P3/2,0
Hole punch, Ø 2.5 mm	165P3/2,5
Hole punch, Ø 3.0 mm	165P3/3,0
Hole punch, Ø 3.5 mm	165P3/3,5
Hole punch, Ø 4.0 mm	165P3/4,0
Hole punch, Ø 4.5 mm	165P3/4,5
Hole punch, Ø 5.0 mm	165P3/5,0
Anvil	165P3/A
Hole punch tube set	165P3/S

Tools
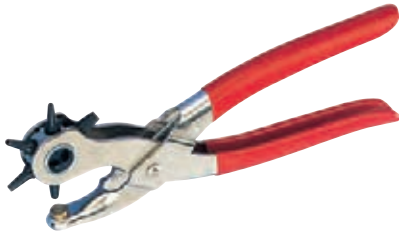
Revolving Hole Punch

- plastic coated handles
- mini brass anvil and hole punches: Ø 2 - 2,5 - 3 - 3,5 - 4 - 5 mm

Length	Item-No.
240 mm	165P1

Spring Clamp

- zinc-plated with plastic insert

Length	Item-No.
110 mm	164P16/110
155 mm	164P16/155

Pricker

- CV-steel, shock-resistant with plastic handle

Length	Item-No.
140 mm	173P6

Engineers' File – Flat

- without handle

Dimensions	Cut	Item-no.
200 x 20 x 5 mm	1 - fine	177P6/200F
200 x 20 x 5 mm	2 - medium	177P6/200M
200 x 20 x 5 mm	3 - coarse	177P6/200G
250 x 25 x 6.3 mm	1 - fine	177P6/250F
250 x 25 x 6.3 mm	2 - medium	177P6/250M
250 x 25 x 6.3 mm	3 - coarse	177P6/250G

Engineers' File – Half Round

- without handle

Dimensions	Cut	Item-no.
200 x 21 x 6 mm	1 - fine	177P7/200F
200 x 21 x 6 mm	2 - medium	177P7/200M
200 x 21 x 6 mm	3 - coarse	177P7/200G
250 x 25 x 7 mm	1 - fine	177P7/250F
250 x 25 x 7 mm	2 - medium	177P7/250M
250 x 25 x 7 mm	3 - coarse	177P7/250G

Tools

Engineers' File – Round

- without handle

L x Ø	Cut	Item-no.
200 x 8 mm	1 - fine	177P8/200F
200 x 8 mm	2 - medium	177P8/200M
200 x 8 mm	3 - coarse	177P8/200G
250 x 10 mm	1 - fine	177P8/250F
250 x 10 mm	2 - medium	177P8/250M
250 x 10 mm	3 - coarse	177P8/250G

Engineers' File – Triangular

- without handle

L x Ø	Cut	Item-no.
200 x 14 mm	1 - fine	177P9/200F
200 x 14 mm	2 - medium	177P9/200M
200 x 14 mm	3 - coarse	177P9/200G
250 x 17 mm	1 - fine	177P9/250F
250 x 17 mm	2 - medium	177P9/250M
250 x 17 mm	3 - coarse	177P9/250G

Engineers' File – Square

- without handle

L x Ø	Cut	Item-no.
200 x 8 mm	1 - fine	177P4/200F
200 x 8 mm	2 - medium	177P4/200M
200 x 8 mm	3 - coarse	177P4/200G
250 x 10 mm	1 - fine	177P4/250F
250 x 10 mm	2 - medium	177P4/250M
250 x 10 mm	3 - coarse	177P4/250G

Wood Rasp – Flat

- without handle, cut 2 - medium

Dimensions	Item-no.
200 x 20 x 5 mm	176P1/200M
250 x 25 x 6.3 mm	176P1/250M

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Wood Rasp – Half-Round

• without handle

Dimensions	Cut	Item-no.
200 x 20 x 5 mm	2 - medium	176P2/200M
200 x 20 x 5 mm	3 - coarse	176P2/200G
250 x 25 x 7 mm	2 - medium	176P2/250M
250 x 25 x 7 mm	3 - coarse	176P2/250G

Wood Rasp – Round

• without handle, cut 2 - medium

Diameter	Length	Item-No.
8 mm	200 mm	176P3/200M
10 mm	250 mm	176P3/250M

File Handle

• beech wood

for file length	Length	Item-no.
150 - 250 mm	110 mm	177P3/110
150 - 300 mm	120 mm	177P3/120
200 - 300 mm	130 mm	177P3/130
250 - 350 mm	140 mm	177P3/140

File Handle

• blue plastic

for file length	Item-no.
150 - 250 mm	176P5/2
250 - 300 mm	176P5/3

Tools

File Brush

Width	Length	Item-No.
40 mm	250 mm	178P20

Firmer Gouge

• white beech wood handle, Wolfram-Vanadium-Steel

Width	Item-no.
10 mm	159P10/10
12 mm	159P10/12
16 mm	159P10/16

Bevelled Edge Chisel

• white beech wood handle, Wolfram-Vanadium-Steel

Width	Item-no.
10 mm	159P12/10
12 mm	159P12/12
16 mm	159P12/16

Warding File Set

• in plastic case

Length	Item-No.
100 mm	177P5

Surform File

Length	Form	Item-No.
440 mm	flat	158P2/F
440 mm	flat/fine	158P20/F
440 mm	half round	158P2/HR
400 mm	round	158P2/R

o.Abb.

Spare parts

for 158P20 and 158P2

Designation	Item-no.
Replacement blade, flat, 250 mm	158P3/F
Spare blade, flat/fine, 250 mm	158P21/F
Replacement blade, semi-circular, 250 mm	158P3/HR
Replacement blade, circular, 250 mm	158P3/R

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Leather Knife

- cambered blade

Length	Item-No.
260 mm	160P2

Leather Knife

- tapered blade

Length	Item-No.
250 mm	160P3

Leather Knife

- skew blade

Length	Item-No.
260 mm	160P4

Leather Knife

- narrow, blade adjustable inside wood handle

Length	Item-No.
200 – 290 mm	160P7

Leather Knife

- broad, blade adjustable inside wood handle

Length	Item-No.
200 – 290 mm	160P8

o.Abb.

Spare parts

for 160P8

Description	Item-no.
Spare blade	160P8/E

Tools

Neopolene Knife

- with plastic handle

Length	Item-No.
315 mm	160P11

Felt Knife

- with wooden handle

Length	Item-No.
240 mm	160P18

Rotary Cutter

- compact
- for cutting silicone and gel liners
- 45 mm blade diameter

	Item-no.
	166P56

o.Abb.

Spare parts

for 166P56

Designation	Item-no.
Spare blade, straight, Ø 45 mm	166P55/1

Universal Knife

- incl. 3 spare blades
- metal handle

Length	Item-No.
150 mm	160P13

o.Abb.

Spare parts

for 160P13

Designation	Item-no.
Trapezium Blades, PU = 5 pieces	160P14

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Scalpel

- sterile
- with plastic handle

PU = 20 pieces

	Item-No.
	160P100

Trimming Knife

- plastic coated handle, blade replaceable, with protective cap

Length	Item-No.
160 mm	160P50

Spare parts

for 160P50

o.Abb.

Designation	Item-no.
Spare blade, PU = 10 pieces	160P51

Draw Knife

Length	Item-No.
250 mm	160P10

Cobbler's Knife „Tina"

- plastic coated, straight blade

L x W	Item-No.
230 x 12 mm	160P19
240 x 23 mm	160P1

Shoemaker's Knife „Tina"

- plastic coated, slightly bent blade

L x W	Item-No.
270 x 23 mm	160P16
270 x 23 mm (for left-handers)	160P16/L

Tools
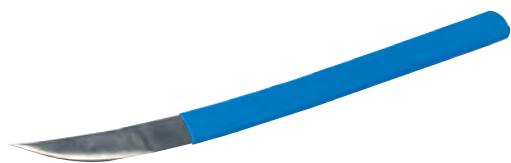
Skiving Knife

- plastic coated, bent blade

L x W	Item-No.
230 x 18 mm	160P17

Sharpening Steel

- Sharpening steel with wooden handle
- length blade 300 mm
- length wooden handle 105 mm

Length	Item-No.
315 mm	160P20

Grind Stone, rough/smooth

- bottom: standard corundum grit 100
- top: special fused alumina grit 280/320

W x D x H	Item-No.
150 x 50 x 25 mm	160P22

Wire Brush

- 3 rows, made of steel wire

Length	Item-No.
300 mm	178P25
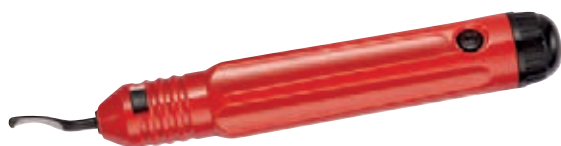
Deburring Knife

- adjustable with one blade
- blade holder, handle-Ø 3,2 mm

Length	Item-No.
150 mm	160P24

o.Abb.

Spare parts

for 160P24

Designation	Item-no.
Deburring blades, Ø 3.2 mm, PU = 10 pieces	160P24/E

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Manual Countersink Set

- with handle, ratchet holder, HSS
- including 2 x countersink (Ø 12 mm and Ø 20 mm), 90°

	Item-No.
	160P27

o.Abb.

Spare parts

for 160P27

Designation	Item-no.
Replacement countersink, 12 mm	160P27/E12
Replacement countersink, 20 mm	160P27/E20

Scissors

- nickel-plated

Length	Item-No.
170 mm	166P5/170

Scissors

- stainless steel, with plastic handles

Length	Item-No.
200 mm	166P7/200
250 mm	166P7/250

Tailor's Scissors

- coated handles

Length	Item-No.
200 mm	166P4/200
200 mm (for left-handers)	166P4/L200
230 mm	166P4/230
250 mm	166P4/250
250 mm (for left-handers)	166P4/L250
280 mm	166P4/280
300 mm	166P4/300

Tools

Shoe Makers Scissors

• bent

Length	Item-No.
180 mm	166P3/180
160 mm	166P3/160

Trimming Scissors

• lower blade with fine teeth

Length	Item-No.
210 mm	166P40

Trimming Scissors

• micro-teeth for Carbon-Kevlar fibres

Length	Item-No.
265 mm	166P8

Proton® Trimming Scissors

• proton-coated curved scissors
• for cutting technical textiles (e.g. Kevlar, Dynema, pre-preg)
• forged carbon steel, Very hard surface, smooth running and non-slip, cuts precisely without pushing

	Item-No.
	166P57

Proton® mould making scissors

• proton-coated scissors for cutting technical textiles (e.g. Kevlar, Dynema, Prepreg)
• forged carbon steel, Very hard surface, smooth running and non-slip, cuty precisely without pushing

	Item-No.
	166P58

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Sewing Scissors

- pointed, straight

Length	Item-No.
115 mm	166P16

Pinking Shear

- plastic handles

Length	Item-No.
220 mm	166P6/220

Leather Shear

- with straight blades, coated handles

Length	Item-No.
240 mm	166P1/240

Leather Shear

- straight, coated handles

Length	Item-No.
250 mm	166P2/250

Upper Leather Shear

- straight, forged steel, with smooth blade

Length	Item-No.
180 mm	166P21/180

Casting Room Scissors

- plastic handles

Length	Item-No.
180 mm	166P10

Tools

Bandage Scissors

- Stainless steel, rust-proof
- bent

Length	Item-No.
145 mm	166P12
145 mm (for left-handers)	166P12/L

Plaster Scissors, model „Bruns"

- Stainless steel, rust-proof
- Length 240 mm

Blade	Item-No.
with fine teeth	166P13
plain	166P14

Bandage Scissors „Bergmann"

- Stainless steel, rust-proof
- plain

Length	Item-No.
230 mm	160P30

Bandage Scissors „Lister"

- Stainless steel, rust-proof

Length	Item-no.
140 mm	166P9/140
140 mm, for left-handed users	166P9/L
200 mm	166P9

Plaster Scissors

- Stainless steel, rust-proof

Length	Item-No.
200 mm	166P11

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Plaster Scissors „Stille"

- Stainless steel, rust-proof

Length	Item-No.
260 mm	166P15

Hacksaw Frame

- with solid steel bow
- synthetic handle
- bi-metal saw blade

Length	Total length	Item-No.
300 mm	520 mm	159P13

o.Abb.

Spare parts

for 159P13

Designation	Item-no.
Replacement saw blade, hand saw blade, bi-metal on one side, 300 mm, 24 teeth	159P13/E
Replacement saw blade, tungsten alloyed tool steel, double-sided, 300 mm, 24 teeth	159P3/D
Replacement saw blade, bi-metal, HSS toothing, hardened, one-sided, 300 mm, 24 teeth	159P3/E

Back Saw

- straight

Length	Item-No.
250 mm	159P2
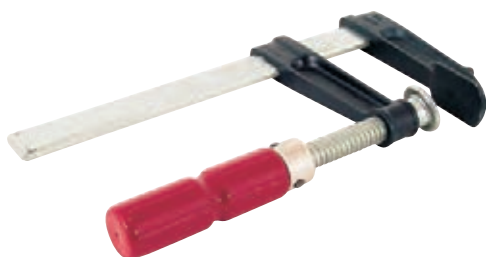
Screw Clamp

- cast iron clamp arm, wooden handle, steel slide rail

Wingspan x radius	Item-no.
200 x 100 mm	164P21/200
250 x 120 mm	164P21/250
300 x 140 mm	164P21/300

Tools

Pin Wrench

- adjustable
- interchangeable spigots
- Spigots Ø 1.5, 2, 2.5, 3, 4 mm
- two separate boxes for spigots and tools

Length	Item-No.
235 mm	165P5

Contouring Iron

- CV-steel, square edge

Mouth width	Length	Item-No.
4 + 6 mm	250 mm	165P60
6 + 8 mm	250 mm	165P61
7 + 9 mm	250 mm	165P62

Contouring Iron

- CV-steel, round edge

Mouth width	Length	Item-No.
4 + 6	265 mm	165P65
6 + 8	265 mm	165P66
7 + 9	265 mm	165P67

Flat Contouring Iron

- zinc-plated

Length	Item-No.
500 mm	165P69

Double Open End Spanner Set

- CV-steel, chrome-plated, 8-part, 6 – 22 mm
- 6/7 - 8/9 - 10/11 - 12/13 - 14/15 - 16/17 - 18/19 - 20/22 mm

	Item-No.
	165P70

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Double Ring Spanner Set

- CV-steel, chrome-plated, 8-part, 6 – 22 mm
- 6/7 - 8/9 - 10/11 - 12/13 - 14/15 - 16/17 - 18/19 - 20/22 mm

	Item-No.
	165P71

Ring/Open End Spanner Set

- CV-steel, chrome-plated, 9-part, 6 – 19 mm
- 6/6, 7/7, 8/8, 10/10, 11/11, 13/13, 14/14, 17/17, 19/19 mm

	Item-No.
	165P72

Sheet Metal Shear

- stainless steel, plastic coated handles

Length	Item-No.
300 mm	165P50

Abb. ähnlich

Metal Shear

- for hard metals up to 1,2 mm thickness, plastic coated handles

Length	Item-No.
260 mm	165P51

Pipe Cutter

- for pipes Ø 3 – 35 mm

	Item-No.
	158P10

o.Abb.

Spare parts

for 158P10

Designation	Item-no.
Spare blade	158P10/E

Tools

Pipe Deburrer

- for inner and outer deburring works
- for pipes with Ø 3 – 42 mm

	Item-No.
	158P11

Glue Container

- made of plastic, incl. brush for glue and paint

Litres	Item-No.
0.45	164P11/045
0.9	164P11/090
1.5	164P11/150

The glue saver bowl serves as a safeguarding for standard-adhesives which are generally used in orthopaedic technology. This article therefore is regarded as an article of daily use, which due to the frequency and the nature of its use is delivered without any warranty.

Spare parts

for 164P11

o.Abb.

Designation	Item-no.
Replacement brush for 164P11/045, small	164P12/K
Replacement brush for 164P11/090, large	164P12/G
Replacement brush for 164P11/150, large	164P12/G

Talcum Powder Container

- made of plastic, content: approx. 300 ml

	Item-No.
	164P33

Oil Can

- made of plastic
- with built-in brass pump
- content 300 ml

	Item-No.
	164P30

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Folding Stick

- made out of bones
- pointed

Length	Item-No.
160 mm	163P10/K
180 mm	163P10/L

Creasing Wood

- with bone guides

Length	Item-No.
200 mm	163P22

Tracing Wheel

- with plastic handle and hardened steel spikes

Length	Item-No.
160 mm	163P25

Tailor's Chalk

Colour	Item-No.
white	163P26

Hand Vice

- drop-forged

Jaw width	Item-No.
40 mm	164P19/40
42 mm	164P19/42
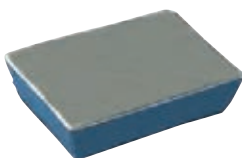
Lead Block

Weight	Item-No.
approx. 5 kg	164P14

Tools

Riveting Bar

- with rivet-hole, forged metal, 680 mm length

Features	Item-No.
without rivet hole	164P17
with rivet hole	164P18

Awl Handle

- screw-type locking

Length	Item-No.
110 mm	157P4

Awl Handle

- flat, with push pin

Length	Item-No.
80 mm	157P5/80

Bradawl

- sword shape
- PU = 10 pieces

Length	Item-No.
50 mm	157P6/50
60 mm	157P6/60
70 mm	157P6/70

Round Awl

- PU = 10 pieces

Length	Item-No.
50 mm	157P7/50
60 mm	157P7/60
70 mm	157P7/70

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Saddler's Needle

- round
- PU = 25 pieces

Length	Item-No.
60 mm	157P1/1
70 mm	157P1/2/0

Mixing Board

Material
- waxed special paper

Application
- for mixing of Episil und Abdosil

Characteristics
- with anti-slip coating to avoid displacement

PU = 1 board with 50 sheets

Dimensions L x W	Item-No.
240 x 150 mm	75E1

Silicone Mixing Bowl

- transparent, for mixing and colouring of acrylics used for finger- and toe manufacture

PU = 1 piece

Filling quantity	Item-No.
30 ml	75E2

Scissors

- small, bent, with micro-teeth on lower blade, specially recommend for cutting silicone

PU = 1 piece

Length	Item-No.
130 mm	50E7

Tools

Scissors

- small, bent, Vertical tip, specially recommend for cutting silicone

PU = 1 piece

Length	Item-No.
145 mm	50E17

Silicone spatula

- flexible
- wide, for mixing of liquid silicones

PU = 1 piece

Length	Total length	Item-No.
105 mm	205 mm	50E5

Silicone spatula

- small, for modelling of mouldable silicones and acrylics

PU = 1 piece

	Item-No.
	50E6

Alginate spatula

- for mixing and applying of alginate item-no. 1E2

PU = 1 piece

	Item-No.
	50E4

Modelling spatula made of plastic material

- to gently remove HTV-silicone residue from mechanical and electronical silicone rollers/calenders
- perfectly suitable for modelling plaster, wax, plasticine and silicone

PU = 1 piece

Colour	Length	Item-No.
blue	approx. 200 mm	166P24

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Processing roller

- conical
- for processing of mouldable silicones

PU = 1 piece

	Item-No.
	50E3

Processing roller

- cylindrical
- for processing of mouldable silicones

PU = 1 piece

Length	Diameter	Item-No.
150 mm	8.0 mm	50E15

Processing roller

- cylindrical
- for processing of mouldable silicones

PU = 1 piece

Length	Diameter	Item-No.
120 mm	5.0 mm	50E16

Double-sided spatula, small

- for modelling of wax and silicones

PU = 1 piece

	Item-No.
	50E21

Modelling instrument

- for modelling of wax and silicones

PU = 1 piece

	Item-No.
	50E2

Tools

Beale Spatula

- for modelling of wax and silicones

PU = 1 piece

	Item-No.
	50E19

Modelling Instrument Double, Apex Tip

- for modelling of wax and silicones

PU = 1 piece

	Item-No.
	50E23

Modelling Instrument Double-Sided, Fine Tip

- for modelling of wax and silicones

PU = 1 piece

	Item-No.
	50E24

Modelling Instrument Double-Sided, Rounded Tip

- for modelling of wax and silicones

PU = 1 piece

	Item-No.
	50E25

Tweezers

- with angled, toothed point

PU = 1 piece

	Item-No.
	50E8

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com-pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Wax knife

- for modelling of wax and silicones

PU = 1 piece

Length	Item-No.
170 mm	50E9

Scalpel

- sterile
- with plastic handle

PU = 20 pieces

	Item-No.
	160P100

Scalpel handle "standard, fig. 4"

- solid flat handle
- suitable for blades fig. 18-36
- length = 140 mm

Scope of supply does not include Scalpel blade

PU = 1 piece

	Item-No.
	50E26

Additional parts

for 50E26

Description	Item-no.
Scalpel blade, Fig. 24, PU = 100 pieces	50E27

Measuring cup

- polypropylene
- transparent
- with calibration

PU = 1 piece

Filling Volume	Hight	Diameter	Item-No.
3000 ccm	242 mm	170 mm	90E29/3000
5000 ccm	270 mm	210 mm	90E29/5000

Tools

Carbide Cutting Bit

- u-conical shape with flat point, toothing, for sharp-edged milling works in plastic and metal

PU = 1 piece

	Item-No.
	60E1

Cutting bit, drum

- carbide cutting bit with spiral bevel toothing for silicone, cone shape with round point, for soft plastics and silicone, long tool life

PU = 1 piece

	Item-No.
	60E2

Carbide cutting bit

- drum shape with flat point, spiral bevel toothing, for area-measured milling works in plastic and metal

PU = 1 piece

	Item-No.
	60E10

Carbide cutting bit

- drum shape with round point, fine spiral bevel toothing, for fine milling works in plastic and metal

PU = 1 piece

	Item-No.
	60E9

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Cutting bit for silicone, cone

- carbide cutting bit with special toothing for silicone, conical shape with round point, for soft plastics and silicone, long tool life

PU = 1 piece

	Item-No.
	60E11

Cutting Bit for Silicone

- carbide cutting bit with special toothing for silicone, bulb shape with round point, for soft plastics and silicone, long tool life

PU = 1 piece

	Item-No.
	60E12

Cutting bit for silicone

- carbide cutting bit with special toothing for silicone, slim cone shape with round point, for soft plastics and silicone, long tool life

PU = 1 piece

	Item-No.
	60E13

Spindle Holder

- for clamping of polishing wheels, wire wheels and cutting wheels

PU = 1 piece

	Item-No.
	60E14

Tools

60E15

60E16

60E17

Additional parts

for 60E14

- for cutting of metal, for clamping on spindle holders

PU = 10 pieces

Designation	Item-no.
Carbon Polishing Wheel For cutting of metal, PU = 20 pieces	60E15
Fleece polishing wheel For fine machining of RTV silicone plasticine and PVC, PU = 10 pieces	60E16
Polishing wheel For precision work of RTV silicone plasticine, PVC and metal, PU = 10 pieces	60E17
Wire brush for sanding foam and roughening silicone, PU = 6 pieces	60E18
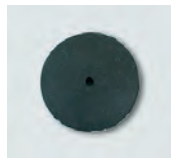
Sanding cylinder

- with rubber coating, for clamping of sanding sleeves item 60E20

PU = 1 piece

Diameter	Item-No.
9 mm	60E19

Additional parts

for 60E19
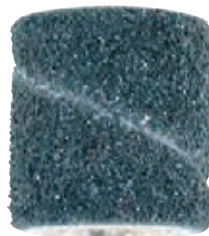
Designation	Item-no.
Sanding sleeves for sanding plastic, plaster and silicone, 9.5 mm, PU = 100 pieces	60E20

Plaster Cutter, Ball

- cone shape with point, rough toothing, for sanding works on plastic, metal and plaster

PU = 1 piece

	Item-No.
	60E6

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Plaster cutter, cone

- cone shape with round point, rough toothing, for rough sanding works on plastic, metal and plaster

PU = 1 piece

	Item-No.
	60E7

Plaster Cutter, Pointed

- carbide cutting bit, slim conical shape with point, fine cross toothing, for fine sanding works on plastic, metal and plaster

PU = 1 piece

	Item-No.
	60E8

Silicone polisher

- for finishing silicone surfaces
- max. revolution: 15.000 RPM

PU = 5 piece

	Item-No.
	60E4

Polishing Brush

- in connection with polishing paste item 60E21, for polishing of acrylics

PU = 1 piece

	Item-No.
	60E5

Additional parts
for 60E5

Designation	Item-no.
Polishing paste for polishing acrylic nails, 200 g, PU = 1 piece	60E21

Tools

Sand Paper Holder

• for clamping of sand paper

PU = 1 piece

	Item-No.
	60E3

Additional parts

for 60E3
Material
• sand paper grit 240

Designated use
• for fine sanding of plastic, metal and plaster surfaces

PU = 10 m

Designation	Item-no.
Emery cloth for fine sanding of plastic, metal and plaster surfaces, 240 grit, PU = 10 m	60E22

Bench Vise

• forged steel with hardened jaws and adjustable guide rail
• colour: blue

Jaw width	Span	Pipe clamping range	Weight	Item-no.
120 mm	150 mm	16 – 55 mm	9 kg	75M1/120
140 mm	200 mm	27 – 70 mm	16 kg	75M1/140
160 mm	225 mm	27 – 100 mm	27 kg	75M1/160

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

75M7A

75M7B

75M7C

75M7D
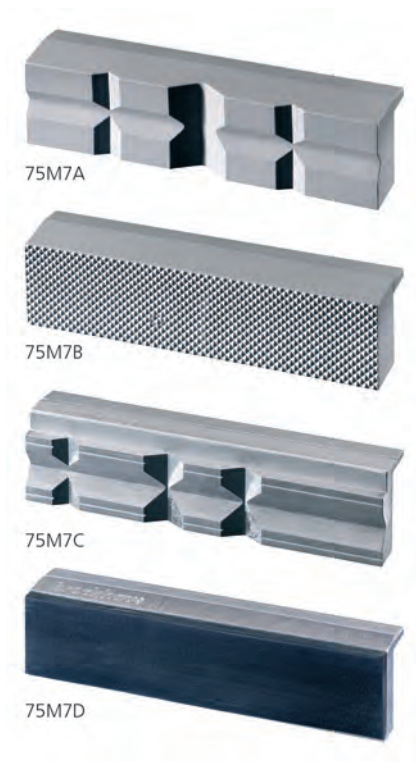
Jaws

- for Item-No 75M1

PU = 1 pair

Jaw width	Description	Item-no.
120 mm	Pu with prisms	75M7A/120
140 mm	Pu with prisms	75M7A/140
160 mm	Pu with prisms	75M7A/160
120 mm	PU with ribbing	75M7B/120
140 mm	PU with ribbing	75M7B/140
160 mm	PU with ribbing	75M7B/160
120 mm	Aluminium with prisms	75M7C/120
140 mm	Aluminium with prisms	75M7C/140
160 mm	Aluminium with prisms	75M7C/160
120 mm	Clamping surfaces made of special rubber	75M7D/120
140 mm	Clamping surfaces made of special rubber	75M7D/140
160 mm	Clamping surfaces made of special rubber	75M7D/160

Magnetic Felt Jaws

- with magnetic adhesive strip
- PU = 1 pair

Width	Item-No.
125 mm	165P23

Rotating Mount

- for item 75M1
- Rotation range 360°
- colour: blue

Bench Vice	Weight	Item-No.
75M1/120	2.5 kg	75M2/120
75M1/140	4.5 kg	75M2/140

Tools

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & com- pressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Folding device

- ideal addition to bench Vise 75M1
- the bench Vise can be folded away underneath the work bench using the folding device and thereby procures a free work space
- colour: blue

Swivel radius	Folding depth	Weight	Item-No.
390 mm	410 mm	5.5 kg	75M4/120
430 mm	455 mm	5.5 kg	75M4/140

Upgrade to item 75M1/120 and 75M1/140.

scope of supply does not include bench Vise

Standing-Lift

- for item 75M1
- with floor column and base plate
- Dimension 320 x 320 mm
- height adjustment from 860 to 1060 mm
- 360° rotatable
- colour: blue

Bench Vice	Permissible load	Weight	Item-No.
75M1/120	4 – 10 kg	21 kg	75M5/120
75M1/140	10 – 16 kg	21 kg	75M5/140
75M1/160 and 75M1/180	16 – 29 kg	21 kg	75M5/160

The standing-lift is also suitable for third-party products, please indicate the size and the manufacturer of your clamping table when placing your order.

Lift

- for item 75M1
- suitable for mounting on work benches
- adjustable in height by 200 mm
- 360° rotatable
- colour: blue

Bench Vice	Permissible load	Weight	Item-No.
75M1/120	4 – 10 kg	11 kg	75M6/120
75M1/140	10 – 16 kg	11 kg	75M6/140
75M1/160	16 – 29 kg	11 kg	75M6/160
75M1/180	16 – 29 kg	11 kg	75M6/160

The lift is also suitable for third-party products, please indicate the size and the manufacturer of your clamping table when placing your order.

Tools

scope of supply does not include bench Vise and lift

Multifunction Transfer Apparatus

- fixing of round and angular one- and two-way suction tubes and of diverse plaster model rods possible up to 35 mm
- fixing of the prosthetic socket can be done either with the tude adapter or with the SACH-foot adapter
- horizontal shifting of the upper and lower fixing by 50 mm each is possible in order to transfer extreme socket positions
- firmly integrated, easily readable height scale (900 mm)
- high quality, durable materials
- steplessly rotatable by 360° degrees Via wing screw

Technical data
- dimensions W x D x H: 240 x 330 x 1000 mm

Scope of supply
- multifunction transfer apparatus
- tube adapter
- SACH-foot adapter
- two way Vacuum pipe

Designation	Item-no.
Multi-function transmission device	145M50
Tube Adapter	15A5/S100
S.A.C.H.-Foot Adapter	16A2/M10
Two-way Vacuum tube	168P78

The multifunction transfer apparatus is steplessly rotatable by 360°!

Wire Mesh File

Length	Form	Item-No.
280 mm	flat	158P5/F

Spare parts
for 185P5

o.Abb.

Designation	Item-no.
Plaster smoother replacement blade, 280 mm, flat	158P6/F

Plaster Moulding Spatula

- one side oval pointed, one side rectangular, plastic coated handle

Width	Item-No.
12 mm	166P17/12
16 mm	166P17
20 mm	166P17/20

Tools

Plaster bucket

- made of high-pressure polyethylene-regenerate mixture
- with zinc plated handle
- Content 12 litre

litre	Item-no.
12	164P1

Mixing Bowl

- made of rubber

Litres	Item-No.
0.5	164P7

Modelling spatula made of plastic material

- to gently remove HTV-silicone residue from mechanical and electronical silicone rollers/calenders
- perfectly suitable for modelling plaster, wax, plasticine and silicone

PU = 1 piece

Colour	Length	Item-No.
blue	approx. 200 mm	166P24

Plaster Trowel

- stainless steel, with wooden handle

Width	Item-No.
40 mm	166P19/40

Plaster Scoop

- stainless steel, Ø 100 mm, capacity 850 ml

Length	Item-No.
280 mm	166P18

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Tools

Plaster Stirrer

- stainless steel, max. Ø approx. 85 mm

Length	Item-No.
500 mm	166P23

Eyelet Punch Press

- manual arbor press for insertion of eyelets, hooks and snap fasteners, as well as for hole punching
- comes with thread M6 for upper die

Outreach	Item-No.
150 mm	168P1

Additional parts

for 168P1

Designation	Item-no.
Stamp for eyelet, 7 x 4 x 4.5 mm, 1 piece	W60P4
Stamp for eyelet, 8 x 4 x 5 mm, 1 piece	W60P5
Stamp for eyelet, 9 x 4 x 5 mm, 1 piece	W60P6
Stamp for eyelet, 10 x 5 x 5.5 mm, 1 piece	W60P8
Stamp for eyelet, 12 x 6 x 6 mm, 1 piece	W60P10
Stamp for eyelet, 15 x 8 x 6 mm, 1 piece	W60P12
Stamp for push button, for 64P12	W64P12
Stamp for push button, for 64P13	W64P13
Stamp for lacing hook, for 62P6	W62P6
Stamp for hollow rivets with open lower part, for 66P10	W66P10
Stamp for hollow rivets with open lower part, for 66P20	W66P20
Stamp for hollow rivets with open lower part, for 66P22	W66P22
Stamp for hollow rivets with open lower part, for 66P25	W66P25
Stamp for hollow rivets with closed lower part, for 66P15	W66P15
Stamp for hollow rivets with closed lower part, for 66P30	W66P30

Tools

Revolving Eyelet Punch Press

- turret manual arbor press, consists of 10 different dies resp. inserts
- for eyelets, hooks and snap fasteners, also for hole punching

Outreach	Item-No.
105 mm	168P20

Additional parts
for 168P20

Designation	Item-no.
Eyelet stamp set small, 1 mm	168P20/1
Eyelet stamp set medium, 2 mm	168P20/2
Eyelet stamp set large, 3 mm	168P20/3
Hole punch tube, 3 mm	168P20/3,0
Hole punch tube, 4.5 mm	168P20/4,5
Hole punch tube, 6 mm	168P20/6,0
Snap fastener die, 4mm	168P20/4
Snap fastener die, 5mm	168P20/5
Hook die, 6 mm	168P20/6
Hook die, 7 mm	168P20/7
Brass support, 8 mm	168P20/8

Hand Lever Shear

- with one sheet metal and one steel rod shear knife
- dimensions = knife length x shear capacity (sheet metal) x shear capacity (steel rod)

Measurements	Lever length	Item-no.
180 x 6 x 13 mm / 24.5	1150 mm	75M10/6

Spare parts
for 75M10

o.Abb.

Designation	Item-no.
Shear knife, size 6	75M12/6

Additional parts
for 75M10

Designation	Item-no.
Base frame, movable, height 670 mm, 45 kg	75M11

Fitting & care area
Workstations
Ovens
Machines
Consumables
Dust extractors
Vacuum forming devices
Vacuum- & compressed air technology
Hand power tools
Tools
Storage equipment
Protective equipment

Tools

Mixing Cup

- made of polypropylene with measuring scale
- PU = 20 pcs and 100 pcs

Litres	Item-No.
0.200	164P6/180
0.400	164P6/500

Funnel made of HD-PE

- acid and oil resistant funnel made of HD-PE for pouring laminating resins
- colour: natural
- pour-in-diameter on top: 50 mm
- pour-out-diameter on the bottom: 21 mm

	Item-No.
	164P32

Spring Balancer

for Vertical fixation of the filling funnel during lamination tasks

load capacity	Item-No.
0.5 – 1.5 kg	140M14

Drill Stand

- for electric drill

Technical data
- receiver clamp: Ø 43 mm
- Overhang: 127 mm
- Column: Ø 30 mm
- Working stroke: 60 mm
- Overall height: 500 mm
- Base plate: 185 x 270 mm
- Column: can be swivelled through 360°
- Weight: 4.7 kg

	Item-No.
	80M10

Tools

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Storage equipment

Mobile Rack

- for sheet materials, comes with 5 sections and guide rollers

Technical data
- dimensions W x D x H: 800 x 420 x 610 mm
- weight: 20 kg net

	Item-No.
	95M30

scope of supply does not include content

Panel Rack

- made of steel, plastic coated

Features
- 4 x shelf panels
- 2 x bearer frames

Technical data
- dimensions W x D x H: 2200 x 1100 x 2500 mm
- shelf panel size: 2000 x 1000 mm
- shelf depth: 1100 mm
- max. load per shelf level: 550 kg net
- bay load: 2200 kg
- colour: RAL 5010 blue
- weight: 177 kg net

	Item-No.
	97M1

Shelving System

- suitable for multi-functional and easily changeable shelf settings, simple mounting with plug in-connectors

Features
- 2 T-profile frames
- 1 base panel
- 1 top panel
- 3 shelf panels

Technical data
- Dimensions W x D x H: 1000 x 500 x 2000 mm
- shelf load: 150 kg
- colour: RAL 7035 light grey

	Item-No.
	97M7

Storage equipment

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Additional parts

for 97M7

Designation	Item-no.
shelve unit (1 T-profile frame, 1 bottom shelf, 1 top shelf, 3 middle shelves), 1000 x 500 x 2000 mm, shelf load 150 kg, RAL 7035 light grey	97M7/A

Basic Shelf Rack for Plaster Cast Models

without extension shelf

- shelving system, simple mounting with plug in-connectors

Features
- 2 T-profile frames
- 1 base panel
- 1 top panel
- 3 shelf panels (shelf load: 250 kg)
- 2 grid shelves (shelf load: 150 kg)

Technical data
- dimensions W x D x H: 1000 x 500 x 2000 mm
- Colour: RAL 7035 light grey

	Item-No.
	97M5

Additional parts

for 97M5

Abb. ähnlich

Designation	Item-no.
Shelve unit (1 T-profile frame, 1 bottom shelf, 1 top shelf, 3 middle shelves), (shelf load: 250 kg), 2 grid shelves (shelf load: 150 kg)), 1000 x 500 x 2000 mm, RAL 7035 light grey	97M5/A

Tool Cabinet

Features
- made of quality sheet metal
- single door with cylinder lock
- 1 plastic drawer inside
- 2 zinc-plated built-in shelves

Technical data
- Dimensions B x T x H: 500 x 500 x 1000 mm
- Colour: RAL 7035 light grey
- Weight: approx. 30 kg

	Item-No.
	93M11

Storage equipment

Material Cabinet

Features
- made of quality sheet metal
- Swing doors with cylinder lock
- 4 shelves made of galvanised sheet steel, each adjustable in 15 mm increments

Technical data
- Load capacity per shelf: max. 70 kg
- Colour: RAL 7035 light grey

W x D x H	Weight	Item-No.
930 x 400 x 1950 mm	58 kg	93M9/40
930 x 500 x 1950 mm	85 kg	93M9/50

Abb. ähnlich

Storage Cabinet

Features
- made of quality sheet metal
- Swing doors with cylinder lock
- with 15 shelves
- incl. 28 PE plastic storage boxes W x D x H: 150 x 234 x 122 mm
- incl. 54 PE plastic storage boxes W x D x H: 103 x 168 x 76 mm

Technical data
- Dimensions B x T x H: 700 x 1980 x 300 mm
- Colour: RAL 7035 light grey
- total load capacity: 20 kg
- Weight: Approx. 92.1 kg

	Item-No.
	93M10/1

Storage Box

- made of PE plastic

W x D x H (outer)	Item-no.
103 x 160 x 75 mm	97M10/1
150 x 230 x 125 mm	97M10/2
210 x 350 x 145 mm	97M10/3
210 x 350 x 200 mm	97M10/4
315 x 500 x 200 mm	97M10/5

Colours: blue, red, yellow, green

Storage equipment

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

scope of supply does not include content

Safety Storage Cabinet with Folding Door

- in accordance with EN 14470-1 (type 90), for storing and keeping flammable liquids and solids at the work place (TRGS 510)

Features
- space saving folding door provides maximum work space in front of the cabinet while door is open
- integrated thermo release closes door automatically in case of fire
- 3 shelf panels (load capacity per shelf panel 75 kg, if load is evenly distributed)
- Floor drip tray (volume 33 litres) with perforated plate insert

Technical data
- Outer dimensions W x D x H: 1196 x 616 x 1968 mm
- inner dimensions W x D x H: 1050 x 524 x 1742 mm
- Exhaust connection: Ø 75 mm
- Colour: RAL 7035 light grey
- Weight: ca. 420 kg

Note
The safety base cabinet can also be operated without connection to a technical exhaust system (suction Ventilator) under conditions of TRGS 510 Attachment 3 and BGR 104 (collection of examples 2.2.8).

	Item-No.
	92M1

We recommend the Air Filter Attachment 92M7.

Safety Storage Cabinet with Folding Door

- in accordance with EN 14470-1 (type 90), for storing and keeping flammable liquids and solids at the work place (TRGS 510)

Features
- space saving folding door provides maximum work space in front of the cabinet while door is open
- integrated thermo release causes the doors to close automatically in case of fire
- 3 shelf panels (load capacity per shelf panel 75 kg, if load is evenly distributed)
- Floor drip tray (volume 22 litres) with perforated plate insert

Technical data
- Outer dimensions W x D x H: 596 x 616 x 1968 mm
- Inner dimensions W x D x H: 450 x 524 x 1742 mm
- Exhaust connection: Ø 75 mm
- Colour: RAL 7035 light grey
- Weight: ca. 260 kg

Protective equipment

Note

The safety base cabinet can also be operated without connection to a technical exhaust system (suction Ventilator) under conditions of TRGS 510 Attachment 3 and BGR 104 (collection of examples 2.2.8).

	Item-No.
	92M3

We recommend the Air Filter Attachment 92M7.

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scope of supply does not include content

Safety Cabinet with Wing Doors

- in accordance with EN 14470-1 (type 90), for storing and keeping flammable liquids and solids at the work place (TRGS 510)

Features
- integrated thermo release causes the doors to close automatically in case of fire
- with 4 fully retractable drawers for optimal use of storage capacities when using small and medium material containers
- integrated transport base with cover for easy moving through the facility

Technical data
- Outer dimensions W x D x H: 1193 x 615 x 1953 mm
- Inner dimensions W x D x H: 1050 x 522 x 1647 mm
- Shelf load per drawer (4 drawers): 60 kg
- catching capacity per drawer: 29 litres
- dimensions of the drawers: W x D x H: 844 x 488 x 90 mm
- space between the drawers: 390 / 360 / 360 / 375 mm
- Exhaust connection: Ø 75 mm
- colour: body RAL 7016 anthracite / doors RAL 7035 light grey
- Weight: approx. 424 kg

Note

The safety base cabinet can also be operated without connection to a technical exhaust system (suction Ventilator) under conditions of TRGS 510 Attachment 3 and BGR 104 (collection of examples 2.2.8).

	Item-No.
	92M6

We recommend the Recirculating Air Filter Attachment 92M7.

Protective equipment

Fitting &
care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum
forming devices

Vacuum- & com-
pressed air technology

Hand power
tools

Tools

Storage
equipment

Protective
equipment

Recirculating Air Filter System for Safety Cabinets 92M1, 92M3 and 92M6

- Recirculating air filter attachment for safety cabinets 92M1, 92M3 and 92M6
- Recirculating air filter attachment for extracting solvent Vapours (hydrocarbons) for direct mounting on safety cabinets
- complete with multi-level filter system, connection cable and power cord
- Visual and audible alarm incl. potential-free alarm contact
- ATEX-conformity: CE Ex II 3/-G Ex ic nA IIB T4 Gc

Technical data

- Dimensions B x T x H: 308 x 555 x 256 mm
- Emission sound pressure level of approx. 23 dB(A)
- Power requirements: 230 V / 50-60 Hz / 1 Ph / 30 W
- Weight: 17 kg (incl. filter)

Note

Please observe the specific conditions of use in your country, which are binding for you: e.g. in Austria (Ö-VBF, current edition). In case of doubt, the possible uses must be agreed with the responsible authority.

	Item-No.
	92M7

o.Abb.

Spare parts

for 92M7

Description	Item-no.
Activated charcoal filter 278 x 278 x 100 mm	92M9

Protective equipment

Company First Aid Box, filled

- company first aid box according to DIN 13157

Dimensions	Item-No.
260 x 160 x 80 mm	13P20

Eye Wash Station

- eye wash station with special mount for 2 bottles of eye wash 13P26

Technical data
- material: steel sheet
- colour: RAL 9016 white
- dimensions W x D x H: 265 x 105 x 355 mm
-

	Item-No.
	13P25

Eye wash station does not include eye wash bottles, if necessary, please order separately under item-no. 13P26.

Additional parts
for 13P25

Designation	Item-no.
Eye wash bottle set (6-jet shower head, continuous rinsing time more than 3 minutes per bottle), maintenance-free and durable for approx. 3 years, complies with DIN EN 15 154-4, scope of delivery: 2x 1,000 ml (saline solution 0.9 %, sterile)	13P26

Disposable Latex Gloves IC

Material
- natural rubber

Application
- examination glove

Characteristics
- non-sterile
- eudermic
- powder-free
- with synthetic internal coating

Protective equipment

Size	PU	Item-No.
S = 6 - 7	100 pcs	12P18/S
M = 7 - 8	100 pcs	12P18/M
L = 8 - 9	100 pcs	12P18/L
X = 9 - 10	90 pcs	12P18/XL

Disposable gloves nitrile black

Material
- nitrile rubber
- Colour: black

Application
- suitable for working with pre-preg or RTV- resp. HTV silicones

Characteristics
- natural rubber (latex)-free
- non-sterile
- powder-free
- skin-friendly

PU = 100 pieces in a box

Size	Item-No.
S = 6-7	12P23/S
M = 7-8	12P23/M
L = 8-9	12P23/L
XL = 9-10	12P23/XL

Chemical Protective Gloves made of Butyl

Material
- made of Butyl rubber, with rolled seam, roughened, powdered

Application
- very good protection against harmful liquids
- temperature flexibility

Characteristics
- very good wearing comfort
- highly resistant to ozone and UV-rays, good mechanical resistance

PU = 1 pair

Size	Item-No.
8	12P8/8
9	12P8/9
10	12P8/10

Protective equipment

Chemical Protective Gloves, Nitril

Material
- made of nitril, with cotton Velour finishing

Application
- chemical protective gloves

Characteristics
- good resistance against abrasion, puncturing and cuts
- good sense of touch through precise fit
- silicone free, Velour finishing

PU = 1 pair

Size	Item-No.
8	12P9/8
9	12P9/9
10	12P9/10

Chemical Protection Gloves

Material
- HPPE-laminate film
- according EN 374 standard; protection category 6

Application
- chemical-resistant foilglove, suitable for processing silicone

Characteristics
- 5-layer
- anatomical shape

PU = 1 pair

Size	Length	Item-No.
7	380 mm	12P22/7
8	380 mm	12P22/8
9	380 mm	12P22/9
10	410 mm	12P22/10

Protective Gloves

- leather with fabric
- strong design
- One size only
- PU = 1 pair

	Item-No.
	12P11

Protective equipment

Welding Gloves

- for welding works
- made of leather with sleeves
- One size only
- Length: approx. 35 cm
- PU = 1 pair

	Item-No.
	12P14

Protective Gloves

- chrome leather
- One size only
- PU = 1 pair

	Item-No.
	12P15

Protective Gloves

- made of molton
- One size only
- PU = 1 pair

	Item-No.
	12P16

Cut Protection Gloves

- cut protection gloves made of HPPE-fiber/glass/polyamide with PU-coating
- PU = 1 pair

Size	Item-No.
7	12P6/7
8	12P6/8
9	12P6/9
10	12P6/10

To be used in metal processing or assembly activities with high risk of cuts (e.g. working with scalpels or knives).

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Protective equipment

Mechanical Protective Gloves

- made of cotton jersey with Nitril-coating
- high flexibility, warmth-cold-flexibility, highly breathable, robust fabrication
- PU = 1 pair

Size	Item-No.
8	12P7/8
9	12P7/9
10	12P7/10
11	12P7/11

These protection gloves may be used as an alternative to leather gloves!

Protective Gloves

- made of jersey
- One size only
- PU = 1 pair

	Item-No.
	12P12

Heat Protective Gloves

- 5-finger knit gloves of 100 % cotton bouclé
- ribbed hem cuff
- contact temperature up to 250°C
- One size only
- PU = 1 pair

	Item-No.
	12P13

Protective Goggles

- mist-free, with hard-coated glasses and adjustable, flexible head gear
- PU = 1 piece

Weight	Item-No.
32 g	13P10

Protective equipment

without content

Additional parts
for 13P10

Designation	Item-no.
Storage box , outer dimensions 200 x 185 x 90 mm, inner dimensions 165 x 110 x 70 mm	13P17

Silicone Half Mask incl. gas filter, size M/L

- mask body made of silicone
- incl. particle filter P3, gas filter ABEK1
- size M/L

	Item-no.
	13P14

o.Abb.

Spare parts
for 13P14

	Item-no.
Replacement filter set	13P14/E1

Respirator Mask

- particle filter class FFP1
- PU = 20 pieces

	Item-No.
	13P12

Respiratory Mask

- with exhalation Valve, particle filter class FFP 2
- PU = 10 pieces

	Item-No.
	13P11

Ear Protector ABS

- with head gear, light and comfortable, excellent sound protection
- soft cushioning pads

	Item-No.
	13P15

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

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Hand power tools

Tools

Storage equipment

Protective equipment

Protective equipment

Clamp Ear Protection

- clamp ear protection with low contact pressure for highest comfort
- ideal for chaniging levels of noise pollution
- extremely elastic clamps

	Item-No.
	13P16

Spare plugs available in bags with 10 pairs (item-no. 13P16/E).

Face Shield

- with polycarbon glass shield, comfortable wear, size adjustment with turn-lock nut

	Item-No.
	13P7

Spare parts

for 13P7

Designation	Item-no.
Replacement glass made of polycarbonate, 200 mm	13P8

o.Abb.

Plaster Apron

- fibre reinforced
- PU = 1 piece

Size	Colour	Item-No.
85 x 100 cm	white	12P20

Protective equipment

Fitting & care area

Workstations

Ovens

Machines

Consumables

Dust extractors

Vacuum forming devices

Vacuum- & compressed air technology

Hand power tools

Tools

Storage equipment

Protective equipment

Notes

Notes

Your contact to us

Communication is essential in a functioning partnership.

Your personal contact with our employees in the office and sales representatives is the foundation for successful cooperation.

We are committed to responding quickly and efficiently to your your wishes, answer questions and keep our product promises.

Get in touch with us
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