

schubert  braun
prothesenwerk



THREEDEE™ system + **SILICONE TECHNOLOGY**

SILICONE TECHNOLOGY

Individuality comes first for schubert + braun prothesenwerk. For every person the needs are unique. And this is what schubert + braun prothesenwerk provides the patients with. schubert + braun prothesenwerk offers a wide individual spectrum of finger prosthetics, partial hand prosthetics, arm prosthetics as well as toe prosthetics, partial foot prosthetics and complete leg prosthetics.



» silicone cosmetics upper extremities



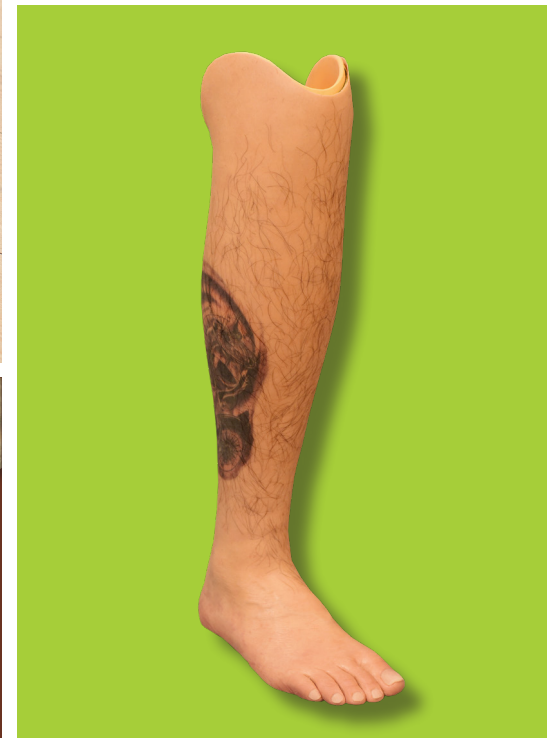
SILICONE TECHNOLOGY

Each prosthesis is a small work of art that fascinates particular by individual color match and the natural shape. In addition the patient gets a benefit of functional advantages and a high prosthetic comfort.

Service Production stands, like the name schubert + braun prothesenwerk gmbh, for innovation and high-quality products. Competence and experience in combination with the use of high-quality materials such as medical grade silicone are the key factors in our concept.



» silicone cosmetics lower extremities

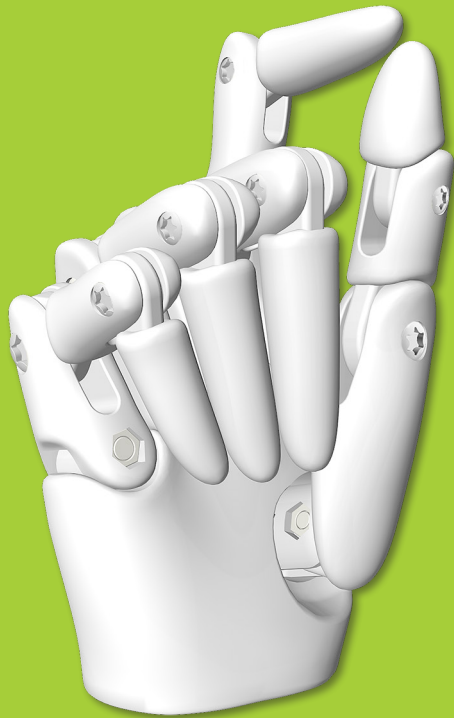


- » possibility of adducting the thumb
- » spreading the fingers
- » flexion and extension possibilities of the fingers
- » connector with M12×1.5 interior thread
- » lower weight in comparison to conventional inner hand prosthesis due to 3D printing
- » inner hand prosthesis fits with commercially available PVC gloves
- » metal screws used for a longer durability



THREEDEE™ flex

» inner hand



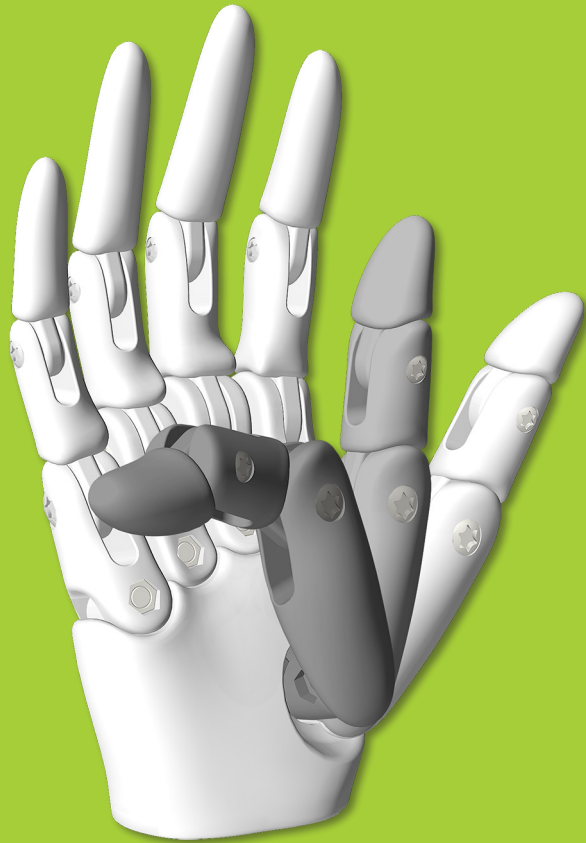
» KEY GRIP



» BAG GRIP

THREEDEE™ flex

» inner hand



» THUMB ABDUCTION AND ADDUCTION

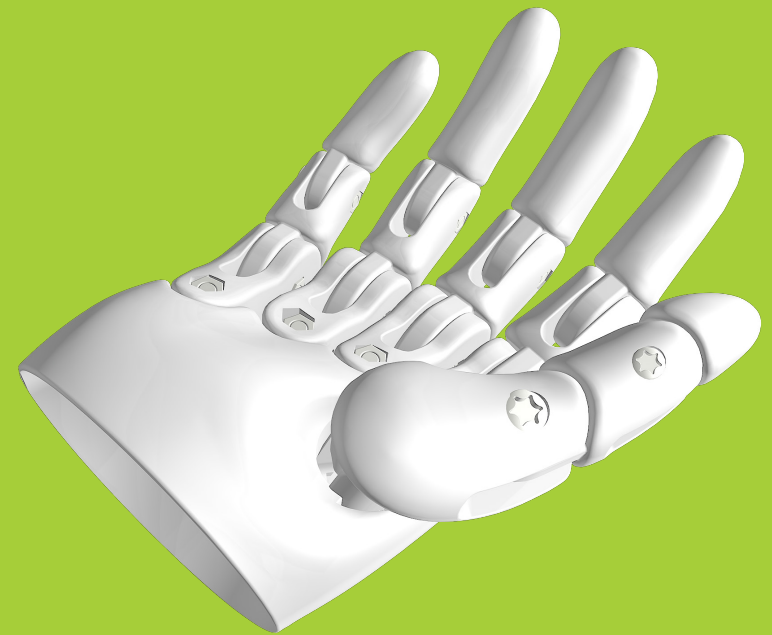


» SPREAD FINGERS

THREEDEE™ flex

» inner hand individual

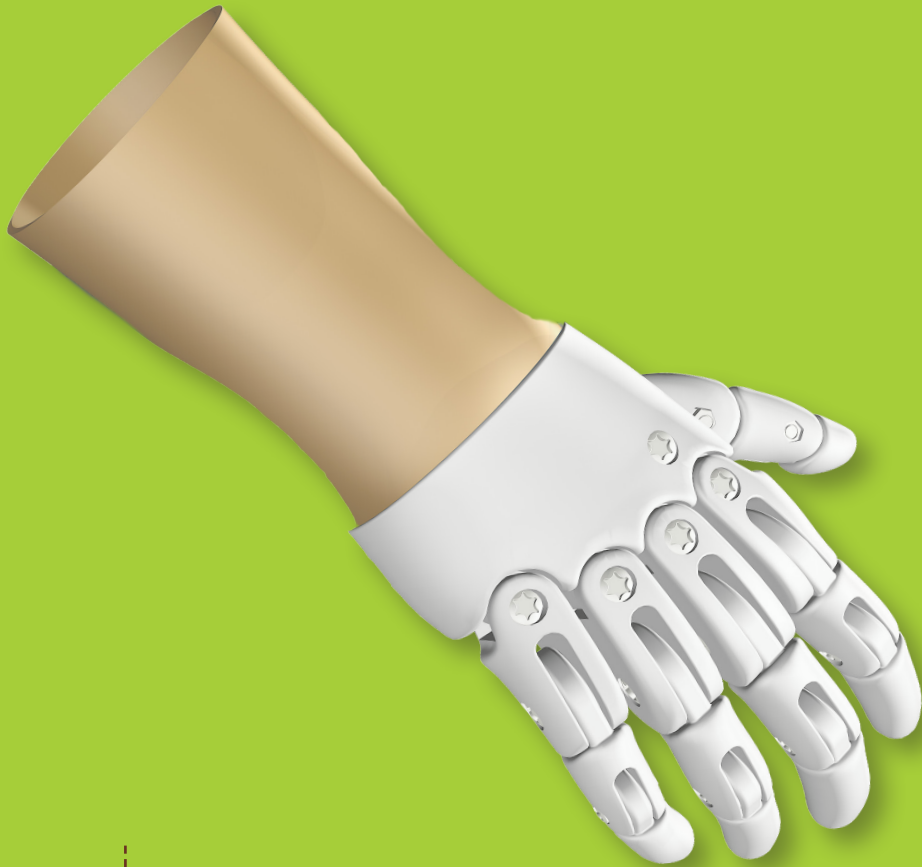
- » possibility of adducting the thumb
- » spreading the fingers
- » flexion and extension possibilities of the fingers
- » individually customised
- » lower weight in comparison to conventional inner hand prosthesis due to 3D printing
- » inner hand prosthesis fits with commercially available PVC gloves



» VERSION FOR LONG RESIDUAL LIMB

THREEDEE™ flex

» inner hand individual



» GLUED TO THE SOCKET OF THE PROSTHESIS

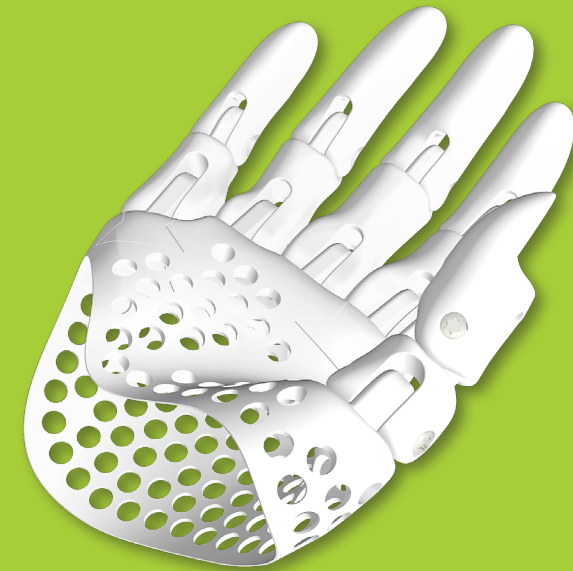


» INSIDE VIEW

» partial hand with integrated THREEDEE™ flex

THREEDEE™ flex

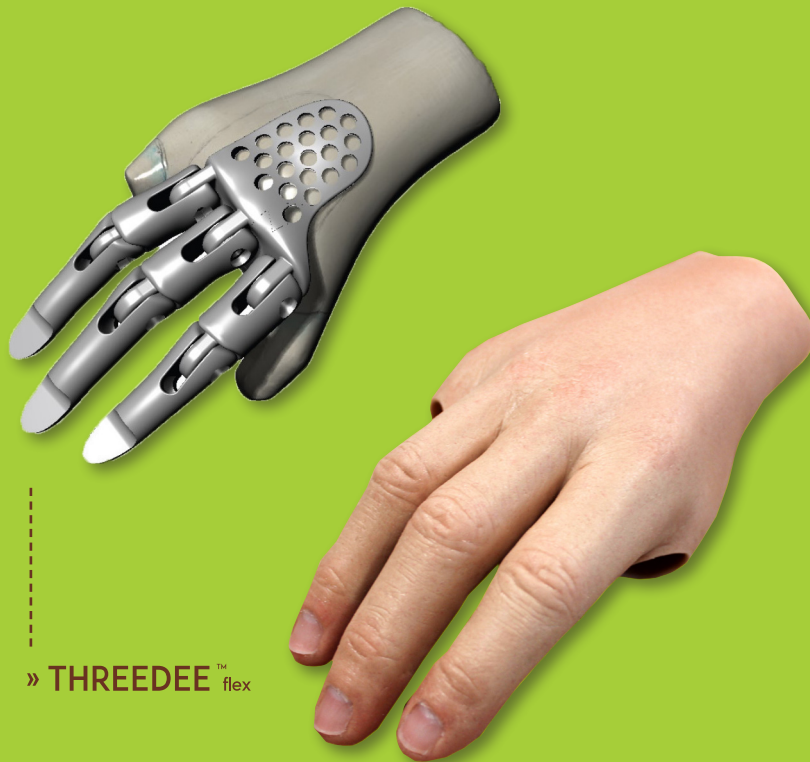
- » lower weight in comparison to conventional inner hand prosthesis due to 3D printing
- » functional advantage in comparison to conventional silicone partial hand
- » flexion and extension possibilities of the fingers
- » each piece is customised



» INDIVIDUAL PRODUCTION

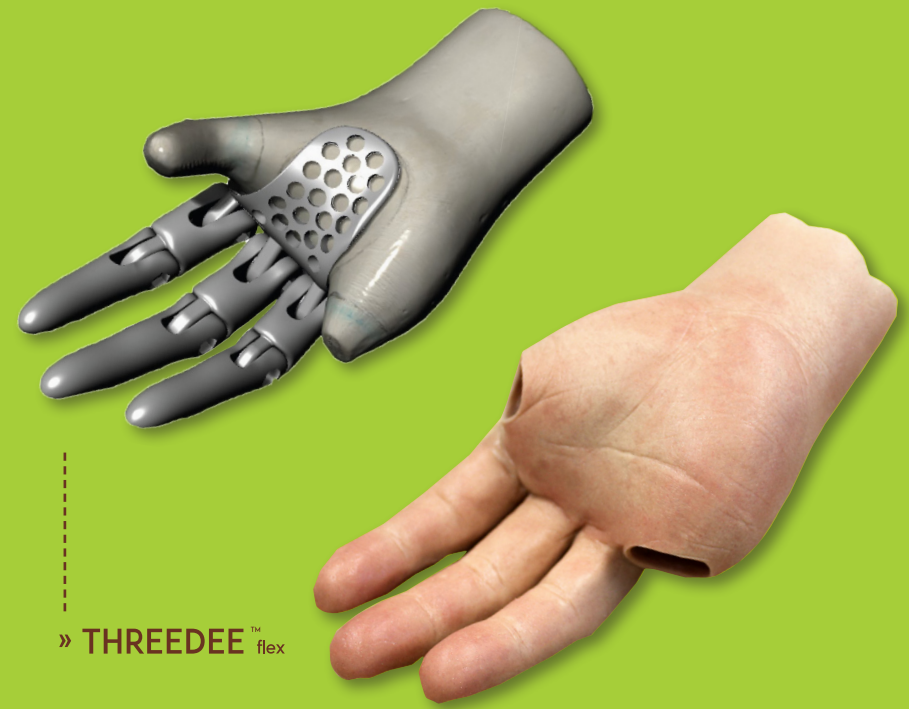
» partial hand with integrated THREEDEE™ flex

THREEDEE™ flex



» THREEDEE™ flex

» COSMETIC COVER OUTSIDE



» THREEDEE™ flex

» COSMETIC COVER INSIDE

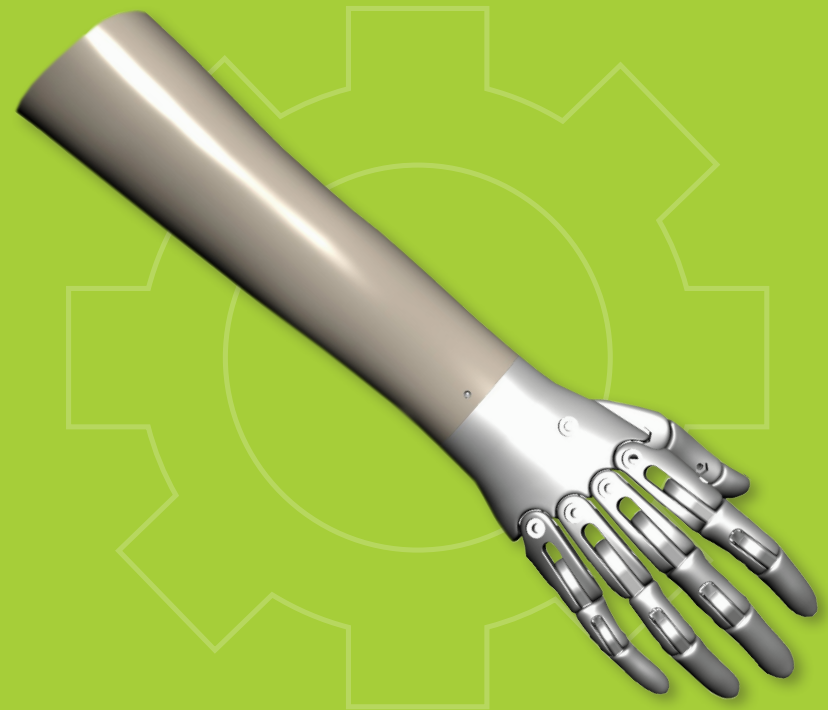


What are volumetric arm prostheses?

Compared to conventional modular prosthetics, volumetric arm prosthetics are exactly shaped like the contralateral side on the outside. We take care of the best possible anatomic outcome design and the best passive function. Each arm, each joint and each hand will be adjusted individual for the patient.

To get this result we need you to send us the perfect fitting trail prosthesis or the remaining patients prosthesis. Each axis and length need to fit perfect. Also you need to send us a negative model of the remaining side or a 3D-scan.

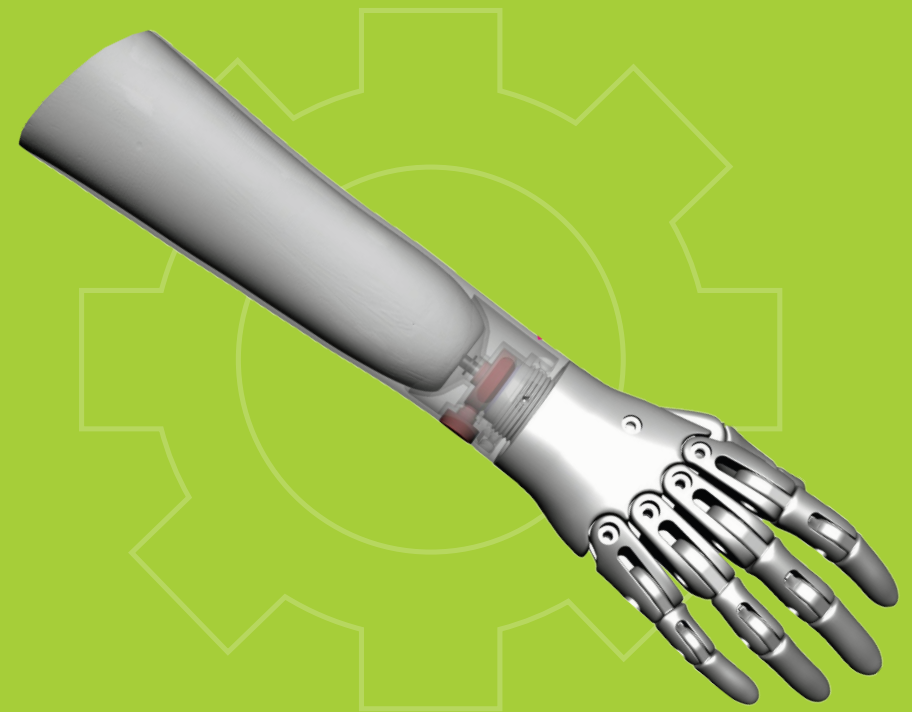
We will scan the model of the remaining side, mirror the digital model and build the volumetric prosthesis. Before we print the prosthesis we will send you a visualisation so you can release it for printing.





» 3D printed, individual, volumetric arm prosthesis with integrated locking system and THREEDEE™ flex

- » lower weight due to 3D printing
- » volumetric outside shape of the prosthesis, like contralateral side
- » locking system individual selectable
- » lower construction heights compared to conventional Methods of production due to 3D printing
- » individual production for
 - » lower arm prosthesis
 - » elbow disarticulation prosthesis
 - » upper arm prosthesis
 - » shoulder disarticulation prosthesis



THREEDEE™ volume



» 3D printed, individual, volumetric arm prosthesis with integrated locking system and THREEDEE™ flex

- » lower weight due to 3D printing
- » locking system individual selectable
- » lower construction heights compared to conventional Methods of production due to 3D printing
- » individual production

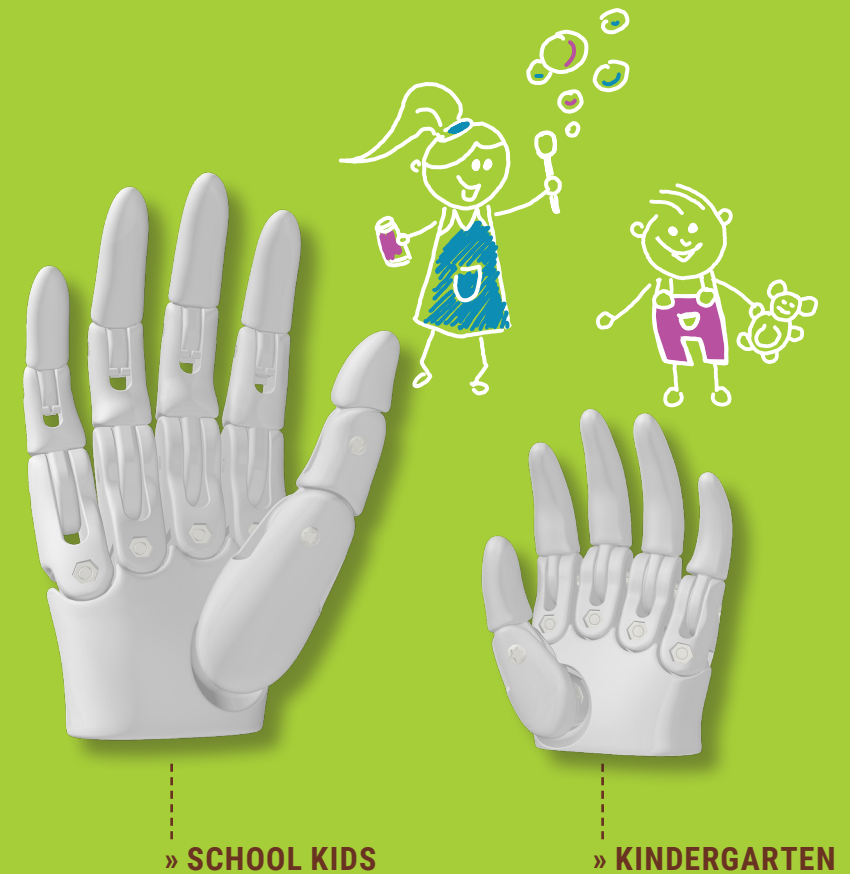


THREEDEE™ Socket PA12
with rotationally symmetrical
Connection to elbow joint



» inner hand

- » available in **eight** sizes
- » possibility of adducting the thumb
- » spreading the fingers
- » flexion and extension possibilities of the fingers
- » connector with M12×1.5 interior thread
compatible with all common connection parts
- » individual customisation possible
- » lower weight in comparison to conventional
inner hand prosthesis due to 3D printing
- » inner hand prosthesis fits with
commercially available PVC gloves





» inner hand



Measurements for left hand (in mm)

	Size	metacarpus circumference	middle finger length	wrist circumference	total length to tip of the middle finger
8PW -	115 x 38 L	117	38	107	80
	130 x 51 L	120	40	106	100
	142 x 50 L	130	42	110	104
	151 x 58 L	135	50	120	120
	158 x 54 L	160	52	130	120
	165 x 68 L	160	63	134	135
	168 x 70 L	156	59	137	140
	170 x 65 L	157	54	141	140



Measurements for right hand (in mm)

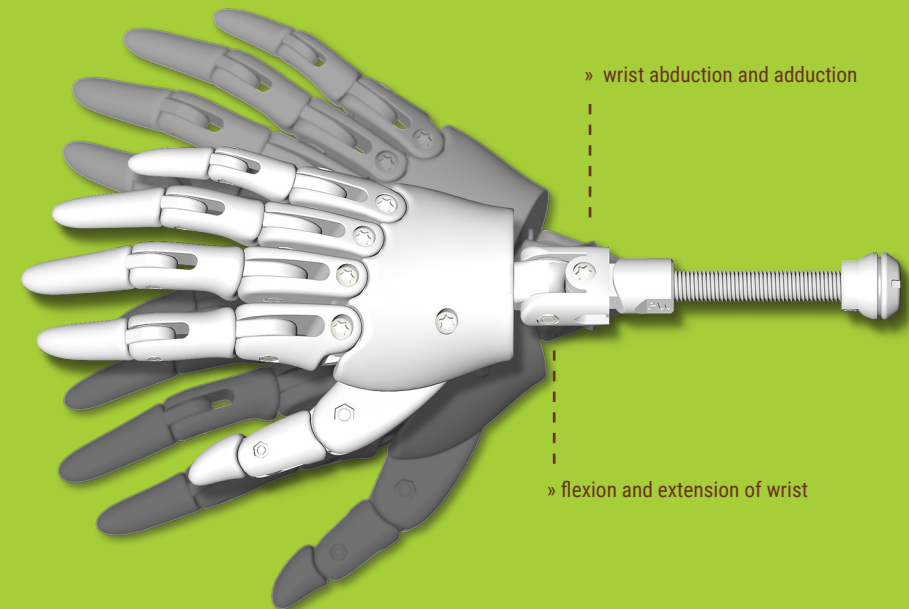
	Size	metacarpus circumference	middle finger length	wrist circumference	total length to tip of the middle finger
8PW -	115 x 37 R	106	35	103	80
	134 x 52 R	125	40	110	100
	139 x 51 R	130	41	110	104
	151 x 59 R	137	50	123	120
	159 x 53 R	160	57	130	120
	158 x 68 R	150	59	135	135
	166 x 70 R	160	65	140	140
		170 x 65 R	155	55	145

ORDER EXAMPLE: 8PW - 115 X 38 L

THREEDEE™ system

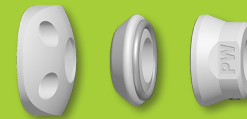
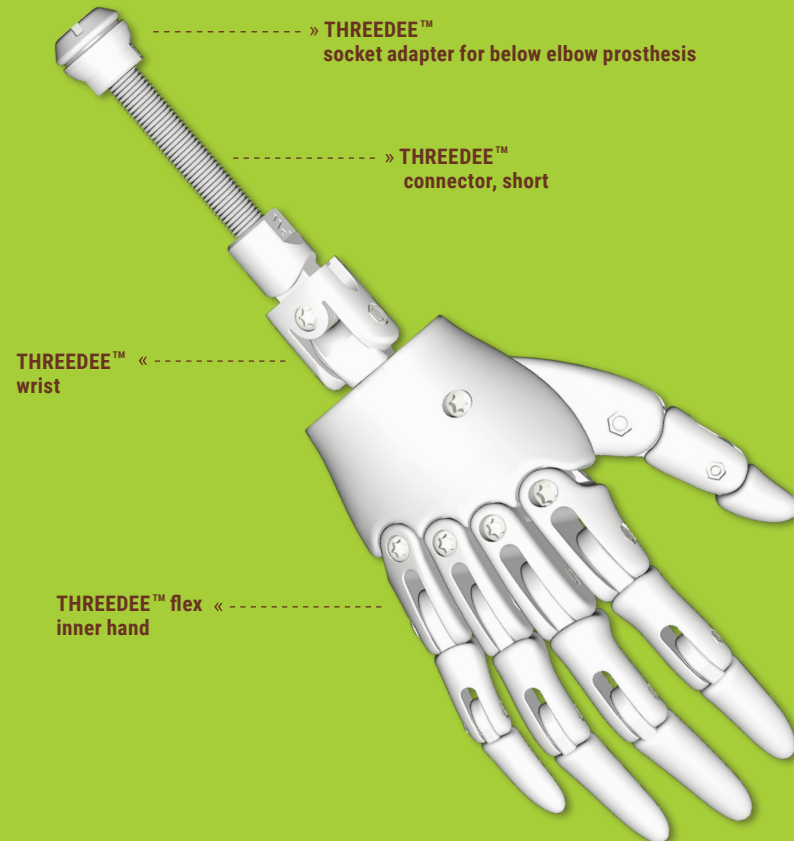
» lower arm prosthetics

- » wrist abduction and adduction
- » flexion and extension of wrist
- » lower weight compared to conventional passive prosthetic arm designs
- » easy adjustment of prosthesis due to rotatable socket adapter
- » easy adjustment of the length of prosthesis due to connecting adapter



THREEDEE™ system

» lower arm prosthetics



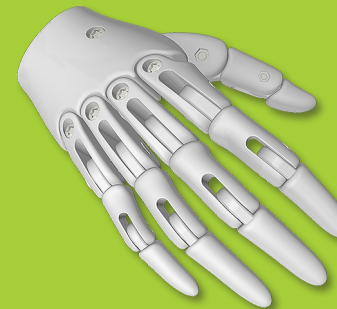
THREEDEE™ socket adapter for below elbow prosthesis
with thermoforming- & vacuum forming dummy
item no: 8PW15=1 UA



THREEDEE™ connector, short
item no: 8PW15=2/140 mm

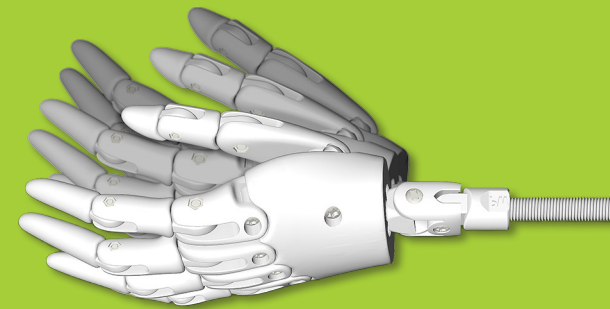
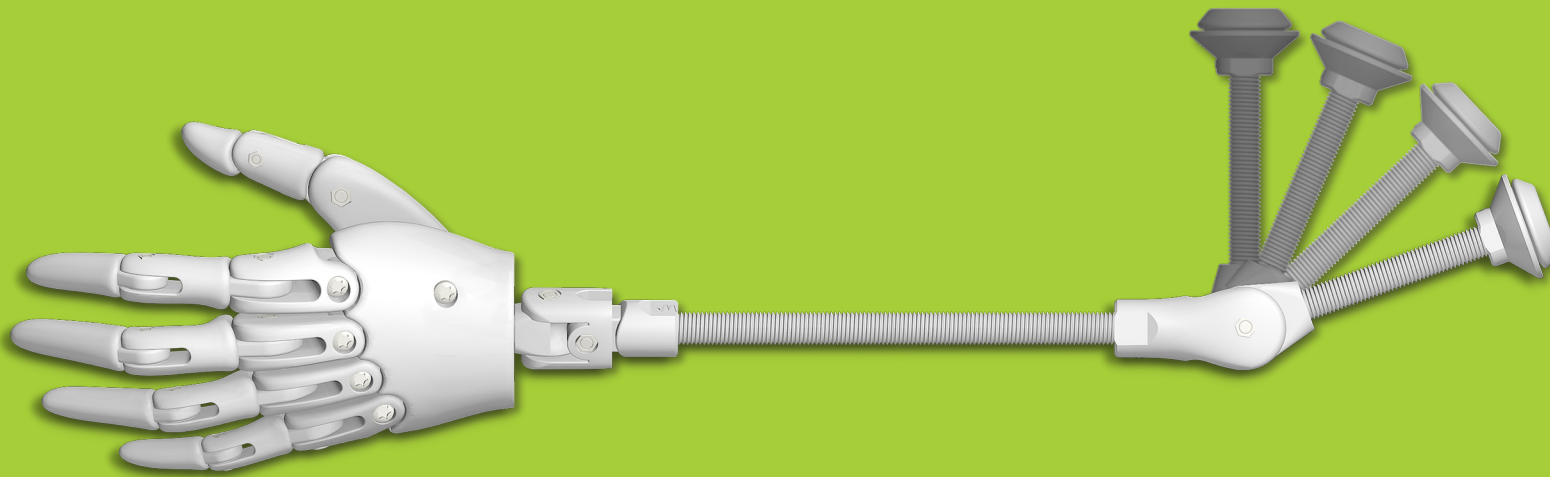


THREEDEE™ wrist
with snap-in joint
max. flexion: 40°; max. extension: 40°
abduction und adduction: 20°
item no: 8PW15=3



THREEDEE™ flex inner hand
item no: 8PW...
See end of brochure for order form.

THREEDEE™ system

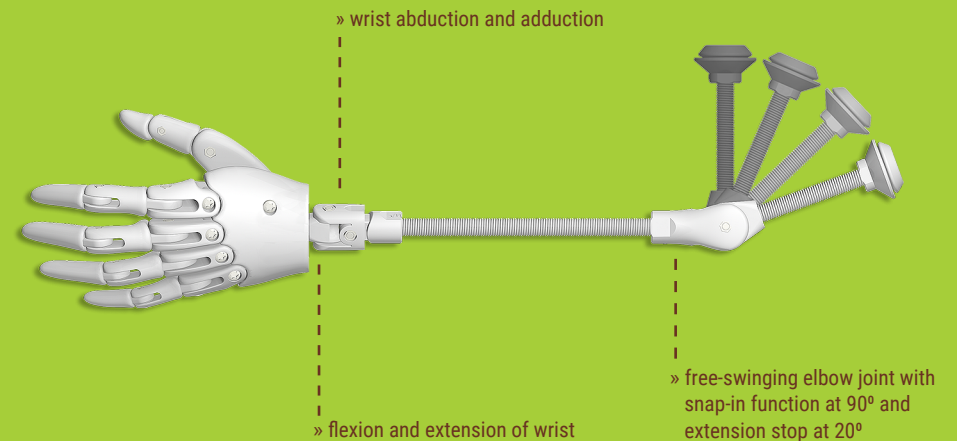


Tool for
THREEDEE system (included)

THREEDEE™ system

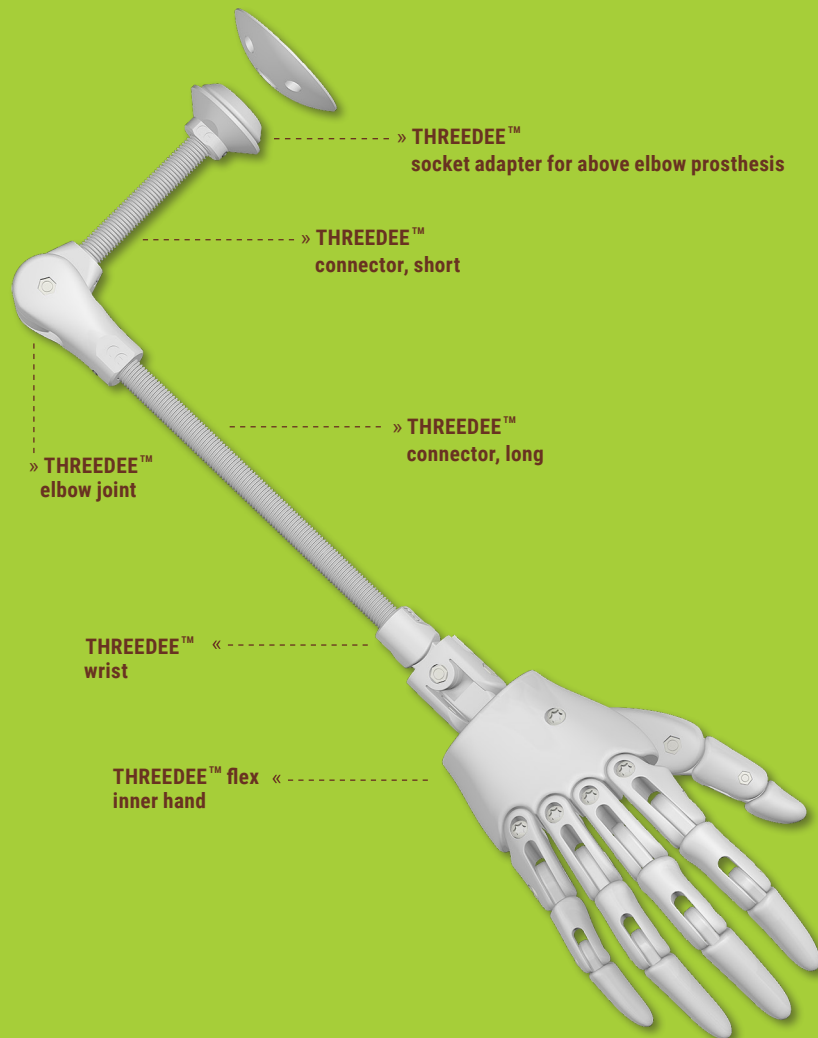
» upper arm prosthetics

- » wrist abduction and adduction
- » flexion and extension of wrist
- » lower weight compared to conventional passive prosthetic arm designs
- » easy adjustment of prosthesis due to connecting adapter
- » free-swinging elbow joint with snap-in function at 90° and extension stop at 20°



THREEDEE™ system

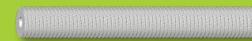
» upper arm prosthetics



THREEDEE™ socket adapter for above elbow prosthesis

with thermoforming- & vacuum forming dummy

item no: 8PW15=1 OA



THREEDEE™ connector, short

item no: 8PW15=2/140 mm



THREEDEE™ free-swinging elbow joint

with snap-in function at 90°

max. flexion: 90°; max. extension: 20°

item no: 8PW15=4



THREEDEE™ connector, long

item no: 8PW15=2/250 mm



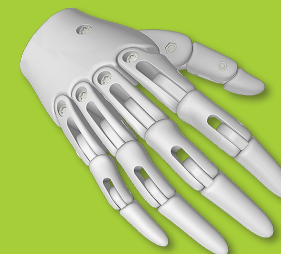
THREEDEE™ wrist

with snap-in function

max. flexion: 40°; max. extension: 40°

abduction and adduction: 20°

item no: 8PW15=3



THREEDEE™ flex inner hand

item no: 8PW...

See end of brochure for order form.



Measurements for left hand (in mm)

Measurements for right hand (in mm)

	Size	metacarpus circumference	middle finger length	wrist circumference		Size	metacarpus circumference	middle finger length	wrist circumference
8PW -	165 x 72 L	160	68	140	8PW -	165 x 72 R	165	66	149
	174 x 74 L	172	67	151		175 x 76 R	170	67	148
	180 x 80 L	167	72	159		176 x 80 R	173	71	156
	182 x 84 L	179	73	154		190 x 84 R	187	74	157
	184 x 75 L	180	66	149		187 x 74 R	181	69	153
	184 x 78 L	182	70	155		184 x 78 R	184	73	153
	185 x 75 L	180	70	152		181 x 75 R	180	69	157
	188 x 79 L	185	77	163		187 x 79 R	185	76	160
	190 x 77 L	188	66	148		190 x 77 R	186	66	152
	190 x 93 L	185	82	182		186 x 92 R	184	88	178
	192 x 78 L	186	69	154		191 x 78 R	189	72	163
	194 x 82 L	188	73	157		189 x 84 R	185	73	156
	195 x 78 L	195	69	165		195 x 78 R	194	73	167
	195 x 79 L	190	70	166		200 x 79 R	196	74	168
208 x 89 L	197	77	175	210 x 89 R	201	79	180		

ORDER FORM **THREEDEE™ flex** MEN

ORDER EXAMPLE: 8PW - 220 X 91 L



Measurements for left hand (in mm)

Measurements for right hand (in mm)

	Size	metacarpus circumference	middle finger length	wrist circumference		Size	metacarpus circumference	middle finger length	wrist circumference
8PW -	202 x 74 L	195	73	160	8PW -	206 x 76 R	200	73	167
	203 x 83 L	200	70	162		199 x 82 R	192	72	160
	203 x 85 L	195	76	162		206 x 85 R	196	76	166
	205 x 81 L	202	72	171		205 x 81 R	199	76	175
	206 x 80 L	206	80	184		205 x 80 R	205	80	185
	206 x 87 L	200	80	160		215 x 88 R	207	81	166
	207 x 86 L	197	80	166		209 x 86 R	205	82	168
	208 x 85 L	205	75	176		212 x 83 R	208	76	186
	211 x 88 L	202	81	170		212 x 86 R	215	81	174
	212 x 93 L	201	81	175		215 x 93 R	206	85	175
	213 x 85 L	213	73	187		218 x 85 R	211	76	187
	214 x 82 L	210	74	179		215 x 83 R	210	71	185
	218 x 85 L	218	75	180		218 x 83 R	214	75	180
	220 x 91 L	210	77	189		214 x 90 R	208	78	181
	221 x 81 L	218	68	182		225 x 82 R	225	76	183
	228 x 84 L	224	73	180		222 x 84 R	218	79	173
	228 x 88 L	223	78	186		228 x 89 R	220	86	194
232 x 94 L	228	81	184	230 x 93 R	225	80	184		
238 x 92 L	223	76	187	244 x 94 R	223	76	189		

THREEDEE™ flex

THREEDEE™ flex models are available in all standard sizes to fit the respective PVC covers provided by most companies. Conventional inner hand prostheses can therefore easily be replaced by THREEDEE™ flex. Simply unscrew the old prosthetic hand, screw on the THREEDEE™ flex, put on the PVC glove and you're done! Alternatively, you can order a cosmetic silicone cover made by us and tailored to your specific needs.

You can find more information at www.prothesenwerk.com



ORDER FORM THREEDEE™ system

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schubert + braun prothesenwerk gmbh
Bautzner Strasse 145 | 01099 Dresden | Germany
Tel. +49 351 5637 9796 | Fax +49 351 5637 3196
info@prothesenwerk.com

Date of receipt	_____	Company	_____
Process no.	_____	Street	_____
Order no.	_____	Postal code	_____
Date	_____	City	_____
E-Mail	_____	Country	_____
Technician	_____	Phone no	_____

Patient

Name	_____	Side	<input type="checkbox"/> Left	<input type="checkbox"/> Right
	_____	Gender	<input type="checkbox"/> Male	<input type="checkbox"/> Female

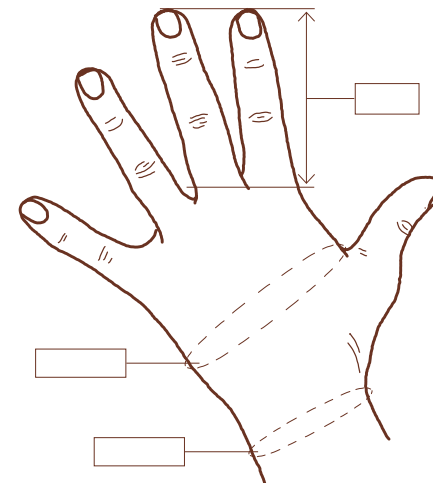
Prosthetic hand for:

- PVC glove
- Individual silicone cover with acrylic nails
- Order number and manufacturer of cosmetic glove

- _____

THREEDEE™ system lower arm prosthetics

- THREEDEE™ socket adapter, item no: 8PW15=1UA
- THREEDEE™ short connector, item no: 8PW15=2/140
- THREEDEE™ wrist, item no: 8PW15=3
- THREEDEE™ hand, item no: 8PW ...
- THREEDEE™ partial hand with integrated TDF:
 - basic item no: SF 82-101
 - classic item no: SF 82-111
 - individual item no: SF 82-121



THREEDEE™ system upper arm prosthetics

- THREEDEE™ socket adapter, item no: 8PW15=10A
- THREEDEE™ short connector, item no: 8PW15=2/140
- THREEDEE™ elbow joint, item no: 8PW15=4
- THREEDEE™ long connector, item no: 8PW15=2/250
- THREEDEE™ wrist, item no: 8PW15=3
- THREEDEE™ hand, item no: 8PW ...

ORDER FORM

THREEDEE™ volume

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Tel +49 351 5637 9796
Fax +49 351 5637 3196
info@prothesenwerk.com

Date of receipt | _____

Process no. | _____

Order no. | _____

Date | _____

E-Mail | _____

Technician | _____

Company | _____

Street | _____

Postal code | _____

City | _____

Country | _____

Phone no | _____

Patient

Name | _____

Side left right

Gender male female

Prosthetic hand for:

- PVC glove
- Individual silicone cover with acrylic nails

Order number and manufacturer of cosmetic glove

THREEDEE™ volume lower arm prosthetics

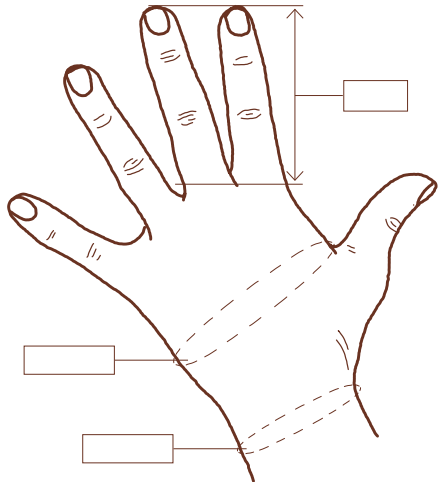
- THREEDEE™ volum. socket, item no: PW-SO=1000
- THREEDEE™ volum. wrist, item no: PW-SO=1015
- THREEDEE™ hand, item no: 8PW ...

THREEDEE™ volume Elbow disarticulation prosthetics

- THREEDEE™ volum. socket, item no: PW-SO=1100
- THREEDEE™ volum. elbow joint, item no: PW-SO=1110
- THREEDEE™ volum. lower arm fitting part, item no: PW-SO=1120
- THREEDEE™ volum. wrist, item no: PW-SO=1015
- THREEDEE™ hand, item no: 8PW ...

Options

- battery compartment, item no: PW-SO=1010
- cable channel, item no: PW-SO=1011
- coax plug, item no: PW-SO=1012
- electrode recess, item no: PW-SO=1013
- pin holder, item no: PW-SO=1014



ORDER FORM

THREEDEE™ volume

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Tel +49 351 5637 9796
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info@prothesenwerk.com

Date of receipt | _____

Process no. | _____

Order no. | _____

Date | _____

E-Mail | _____

Technician | _____

Company | _____

Street | _____

Postal code | _____

City | _____

Country | _____

Phone no | _____

Patient

Name | _____

Side left right

Gender male female

Prosthetic hand for:

- PVC glove
- Individual silicone cover with acrylic nails

Order number and manufacturer of cosmetic glove

THREEDEE™ volume upper arm prosthetics

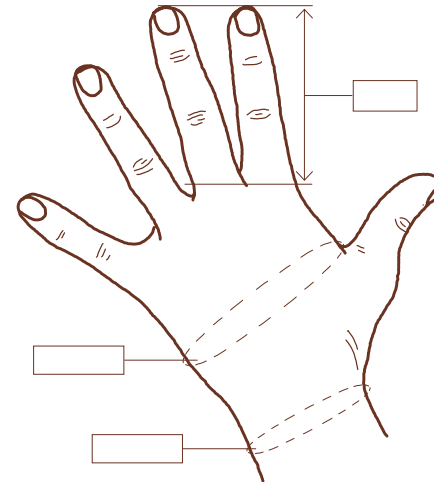
- THREEDEE™ volum. socket, item no: PW-SO=1200
- THREEDEE™ volum. elbow joint, item no: PW-SO=1210
- THREEDEE™ volum. upper arm fitting part, item no: PW-SO=1220
- THREEDEE™ volum. wrist, item no: PW-SO=1015
- THREEDEE™ hand, item no: 8PW ...

THREEDEE™ volume shoulder disarticulation prosthetics

- THREEDEE™ volum. socket, item no: PW-SO=1300
- THREEDEE™ volum. shoulder joint, item no: PW-SO=1310
- THREEDEE™ volum. upper arm fitting part, item no: PW-SO=1320
- THREEDEE™ volum. elbow joint, item no: PW-SO=1210
- THREEDEE™ volum. upper arm fitting part, item no: PW-SO=1220
- THREEDEE™ volum. wrist item no: PW-SO=1015
- THREEDEE™ hand, item no: 8PW ...

Options

- battery compartment, item no: PW-SO=1010
- cable channel, item no: PW-SO=1011
- coax plug, item no: PW-SO=1012
- electrode recess, item no: PW-SO=1013
- pin holder, item no: PW-SO=1014



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