

# Dental catalogue



SHERA. *The model.*



Dear customers,

You work hard to make sure that everything goes smoothly in the mouths of your customers by creating wonderful work in your dental laboratories. We would like to help you with your work by providing outstanding products, clever ideas and optimal workflows.

All our thoughts and efforts are dedicated to the craftsmanship produced by dental technicians. We develop, produce and distribute products for both traditional craftsmanship and digitally supported dental technology around the world. All our products are brought together in the SHERA dental catalogue. New additions include the new separating agent SHERAiso-3d and the new 3D printing resins SHERAprint-model desert and stone. In addition, there are new printers like the SHERAprint 50 as well as clever ideas like the SHERAprint-plate system. We make sure that all products fit into the SHERA workflow and complement each other in a meaningful way. We combine both classic and digitally supported dental technology under one roof - for more process reliability in every job.

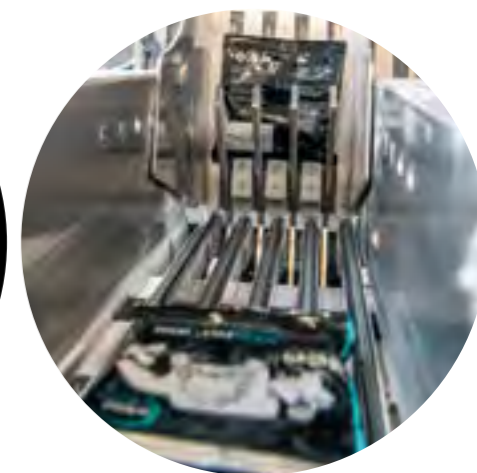
With our innovations, bestsellers and your favourite products from SHERA, your laboratory will run smoothly. You can trust the reliable quality and the people at SHERA, who are glad to be there for you - providing advice and support, a willing ear and a deep commitment to your handicraft!

  
Jens Grill  
CEO



## Made by us with true pride

Here at SHERA, we produce 19 tons of dental stones and plasters, 5 tons of investment materials, one ton of silicones, many hectolitres of liquids, pastes and much more - every day.





Our dedicated production and quality assurance teams know exactly where their responsibility lies in creating perfectly functioning products. They identify themselves with their 'babies' such as the super hard stone SHERAHARD-ROCK or the classic SHERAFINA®2000.



We are very proud of the meticulous work done by the people at SHERA – from the incoming inspection of raw materials, through production to comprehensive quality assurance.





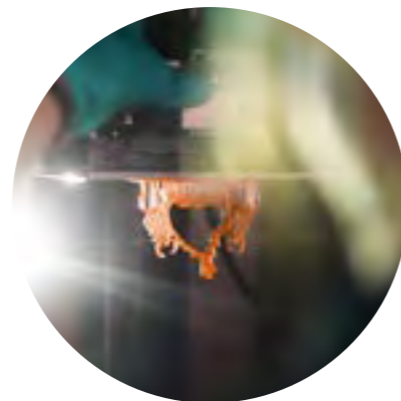
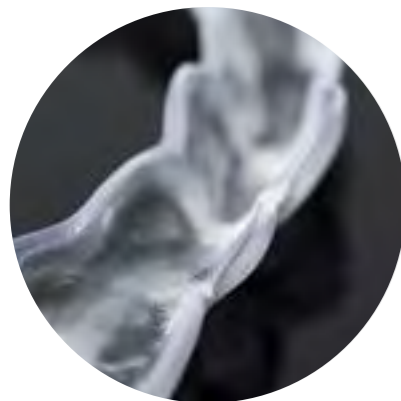
# SHERA Academy

Profit from our expertise

At our premises in Lemförde, near to Lake Dümmer, we offer a wide range of courses and workshops on fascinating dentistry topics. One focus lies on the digital workflow in dental technology, from the scan through to the perfect, printed implant model produced with SHERAprint. We also impress with our extensive expertise on the classic side, such as model production and telescope technology, or with the casting of printed frames.

## Follow us online - stay app to date

Follow us on Youtube, Facebook, Instagram and Pinterest, to constantly be up-to-date with SHERA. Visit us at [www.shera.de](http://www.shera.de) and find the latest user manuals for our products - also available to download - as well as mixing tables for investments and several practical tips for your everyday lab work.



# SHERACLASSIC

page 11 Preparation

page 41 Casting technique

page 69 Finishing

page 83 Acrylics

page 89 Miscellaneous

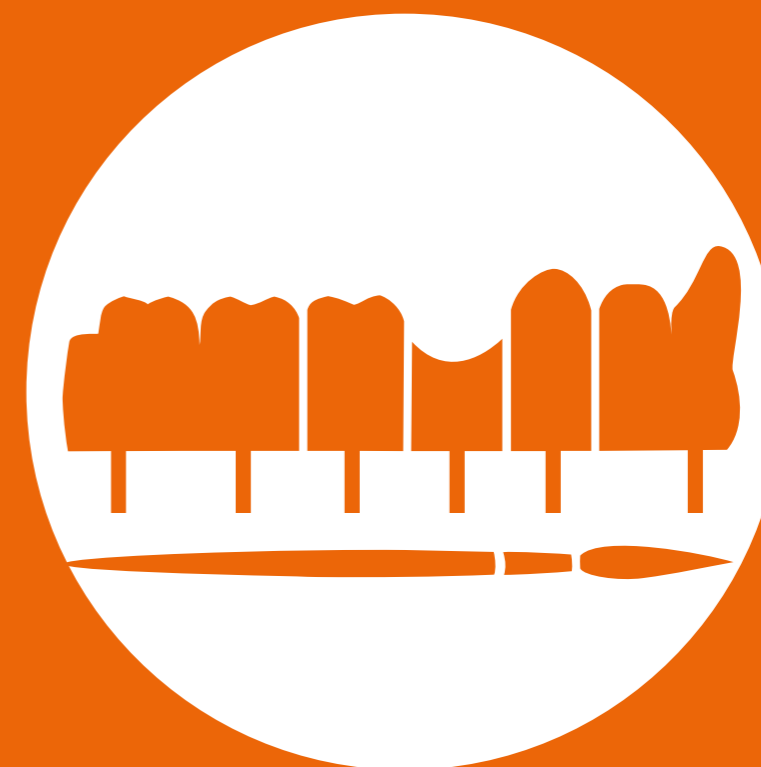


# SHERAdigital

Printing page 99

Milling tools page 130

# SHERAmerch



# Preparation

page  
**13**

Stones /  
Plasters

page  
**32**

Impression  
Material  
Treatment

page  
**33**

Isolating  
Agents

page  
**34**

Adhesive  
& Co.

page  
**35**

Pins

page  
**36**

Silicones



## Stones & Plasters

As a market leader for dental stones and plasters, we attribute great importance to the quality while developing and producing. All SHERA stones and plasters are suitable for the use of silicone, alginate, polyether as well as hydrocolloid impressions and offer excellent technical properties such as:

- very fine-grained consistency
- excellent flow characteristics
- good thixotropic quality
- precise reproduction of details
- smooth, dense surfaces
- firm margins even around thin preparations
- easy processing: sawing, grinding, trimming without splintering
- consistent technical data

Our product range includes perfect stones and plasters for any kind of application: from implant model to presentation model, from CAD/CAM to opposing models. Altogether, we have more than 24 special stones and plasters for several applications in 27 different colours. Among them there are also the bestsellers SHERAHARD-ROCK and SHERAPURE.







# Stones Type 4

Modelling and die stones

## SHERA PURE

Super hard stone



easily readable · colour reduced  
non splintering · extreme hardness

available in



cream white and light grey

**Recommended for:**

- Implant technique
- Sectioned models
- Master models
- Opposing models
- Static models

Item no.	Unit
101155-25 (light grey)	18 kg (6 x 3 kg)
101155-82 (creme white)	
101153-25 (light grey)	3 kg
101153-82 (creme white)	

Technical data	
Mixing ratio (p : d. w.)*	100 : 20
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	310
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	330
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	70
Setting expansion after 2 hours (%)	0.08
Working time (min)	6.0 - 7.0
End of setting (min)	approx. 30

\*Mixing ratio = Powder : distilled water

[www.shera.de](http://www.shera.de)



# Stones Type 4

Modelling and die stones

## SHERAMAXIMUM 2000

Super hard stone for especially high demands

- good thixotrope quality and very good flow characteristics
- can be scanned with several systems
- ideal for plastic basing systems
- exceptional hardness

Unit:	18 kg (4 x 4.5 kg)	4.5 kg
Item no.	Item no.	
101015-18 (golden brown)	101013-18 (golden brown)	
101015-22 (grey)	101013-22 (grey)	
101015-46 (rich yellow)	101013-46 (rich yellow)	
101015-70 (white)	101013-70 (white)	
101015-84 (light yellow)	101013-84 (light yellow)	

Technical data	
Mixing ratio (p : d. w.)*	100 : 20
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	300
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	320
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	60
Setting expansion after 2 hours (%)	0.10
Working time (min)	6.0 - 7.0
End of setting (min)	approx. 30



**Recommended for:**

- Implant technique
- Sectioned models
- Master models
- Opposing models
- Static models

## SHERAMAXIMUM

Super hard stone for high demands

- high thixotrope quality
- can be scanned with several systems
- very hard, nevertheless extreme easy processing

Unit:	20 kg	5 kg
Item no.	Item no.	
101040-14 (yellow)	101041-14 (yellow)	
101040-18 (golden brown)	101041-18 (golden brown)	
101040-22 (grey)	101041-22 (grey)	

Technical data	
Mixing ratio (p : d. w.)*	100 : 20
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	300
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	320
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	60
Setting expansion after 2 hours (%)	0.10
Working time (min)	6.0 - 7.0
End of setting (min)	approx. 30



**Recommended for:**

- Sectioned models
- Master models
- Opposing models
- Static models

\*Mixing ratio = Powder : distilled water

[www.shera.de](http://www.shera.de)



### SHERAHARD-ROCK

Super hard stone, superior quality

- good thixotrope quality and very good flow characteristics
- can be scanned with several systems
- ideal for plastic basing systems
- extremely easy processing

Item no.	Unit	Item no.	Unit
101025-18 (golden brown)	18 kg	101023-18 (golden brown)	4.5 kg
101025-20 (golden yellow)	(4 x 4.5 kg)	101023-20 (golden yellow)	
101025-84 (light yellow)		101023-84 (light yellow)	
101025-85 (light green)		101023-85 (light green)	

#### Technical data

Mixing ratio (p : d. w.)*	100 : 20
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	300
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	320
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	65
Setting expansion after 2 hours (%)	< 0.10
Working time (min)	5.0 - 6.0
End of setting (min)	approx. 30

#### Recommended for:

- Implant technique
- Sectioned models
- Master models
- Opposing models
- Static models

\*Mixing ratio = Powder : distilled water



## Stones Type 4

Modelling and die stones

### SHERAPREMIUM

Super hard stone

- top price-performance ratio
- reduced working time

Unit:	20 kg	5 kg
Item no.	Item no.	
101070-02 (apricot)	101071-02 (apricot)	
101070-10 (ivory)	101071-10 (ivory)	
101070-14 (yellow)	101071-14 (yellow)	
101070-18 (golden brown)	101071-18 (golden brown)	
101070-22 (grey)	101071-22 (grey)	
101070-30 (light green)	101071-30 (light green)	
101070-70 (white)	101071-70 (white)	

#### Technical data

Mixing ratio (p : d. w.)*	100 : 20
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	280
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	290
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	60
Setting expansion after 2 hours (%)	0.10
Working time (min)	4.5 - 5.5
End of setting (min)	approx. 30



#### Recommended for:

- Sectioned models
- Master models
- Model casting works
- Opposing models
- Static models

### SHERAAQUA

Super hard stone

- top price-performance ratio
- reduced working time
- creamy consistency

Item no.	Unit
101080-18 (golden brown)	20 kg
101080-50 (pink)	
101080-70 (white)	
101081-18 (golden brown)	5 kg
101081-50 (pink)	
101081-70 (white)	

#### Technical data

Mixing ratio (p : d. w.)*	100 : 23
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	250
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	270
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	55
Setting expansion after 2 hours (%)	0.10
Working time (min)	4.5 - 5.5
End of setting (min)	approx. 30



#### Recommended for:

- Sectioned models
- Master models
- Model casting works
- Opposing models
- Static models

\*Mixing ratio = Powder : distilled water



# Stones Type 4 / 5

Modelling and die stones

## SHERAFAVORIT

Resin-reinforced super hard stone

- for hard impression materials
- easy to remove
- excellent for pouring out fine preparations or undercuts

Item no.	Unit
101060-10 (ivory)	20 kg
101060-18 (golden brown)	
101061-10 (ivory)	5 kg
101061-18 (golden brown)	

### Technical data

Mixing ratio (p : d. w.)*	100 : 20
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	300
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	320
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	60
Setting expansion after 2 hours (%)	0.10
Working time (min)	6.0 - 7.0
End of setting (min)	approx. 30

### Recommended for:

- Sectioned models
- Master models
- Model casting works
- Opposing models
- Static models



## SHERAPRIMA

Super hard stone type 5

- increased expansion
- balances the shrinking of some impression materials
- for denture repairs

Item no.	Unit
101050-46 (rich yellow)	20 kg
101051-46 (rich yellow)	5 kg

### Technical data

Mixing ratio (p : d. w.)*	100 : 20
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	300
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	320
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	65
Setting expansion after 2 hours (%)	0.18
Working time (min)	6.0 - 7.0
End of setting (min)	approx. 35

### Recommended for:

- Sectioned models
- Master models
- Opposing models
- Static models



## SHERAJIVE

Rapid set super hard stone for creative technicians

- short demould time of 10 minutes
- can be used for various applications
- for relining and quick repairs

Item no.	Unit
101135-18 (golden brown)	18 kg
101135-84 (light yellow)	(4 x 4.5 kg)
101133-18 (golden brown)	4.5 kg
101133-84 (light yellow)	

### Technical data

Mixing ratio (p : d. w.)*	100 : 25
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	200
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	220
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	50
Setting expansion after 2 hours (%)	0.14
Working time (min)	approx. 2.5
End of setting (min)	approx. 10

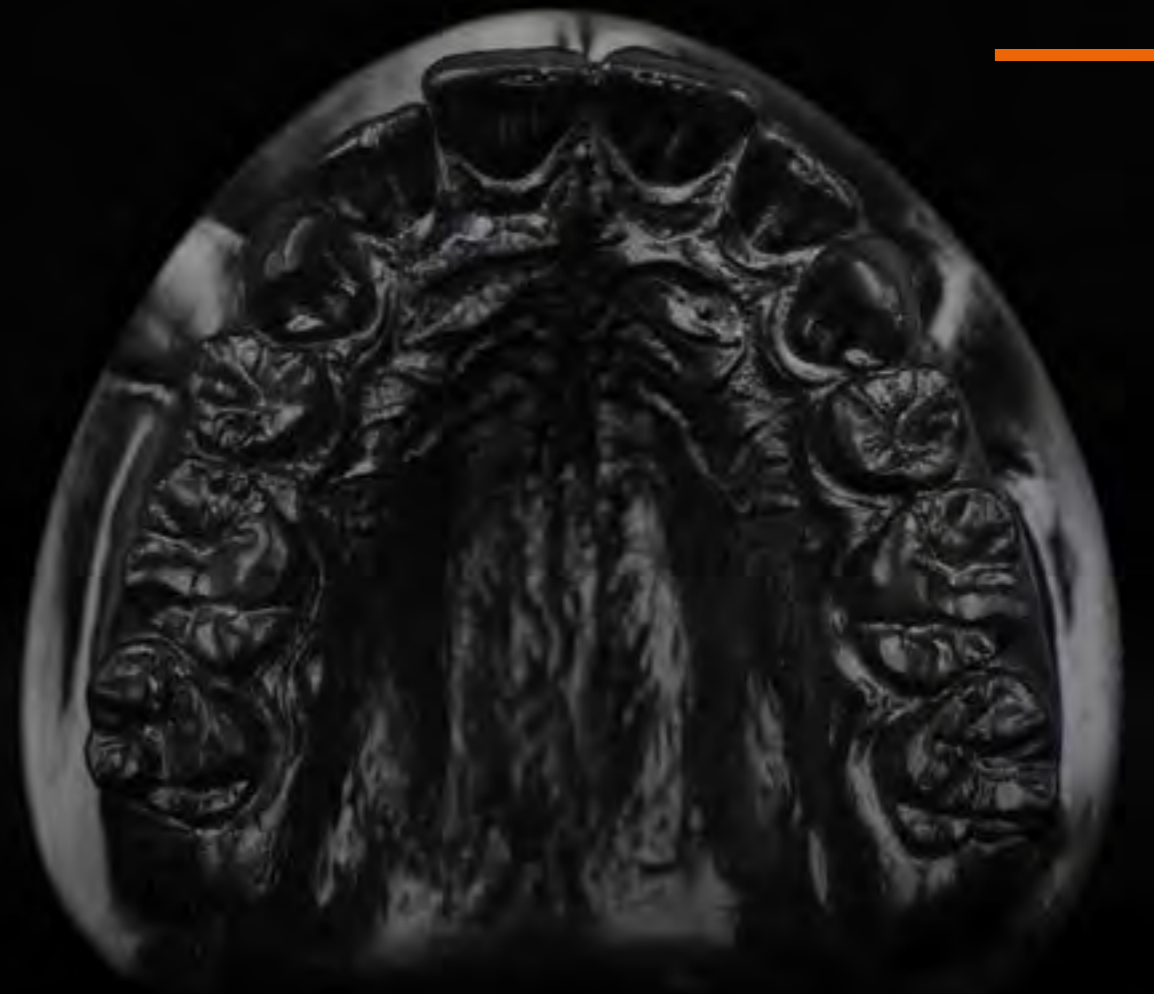
### Recommended for:

- Working models
- Opposing models
- Study models



\*Mixing ratio = Powder : distilled water

www.shera.de



# SHERABLACK-ROCK

## Presentation stone type 4

- for presentation models
- perfect stage for prosthetic works
- underlines the dental technician's skill
  - jet-black colour
- displays its full gloss with SHERASEPAL-U

Item no.	Unit
101091-54	5 kg

### Recommended for:

- Presentation models

### Technical data

Mixing ratio (p : d. w.)*	100 : 20
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	240
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	260
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	50
Setting expansion after 2 hours (%)	0.10
Working time (min)	5.0 - 6.0
End of setting (min)	approx. 45



\*Mixing ratio = Powder : distilled water

www.shera.de



# Plasters Type 3 / 2



## SHERABIANCO

Hard plaster for orthodontics

- snow-white
- very dense, homogeneous and creamy consistency
- for bubble-free models
- very easy to etch

Item no.	Unit
102180-58 (snow-white)	20 kg

Technical data	
Mixing ratio (p : d. w.)*	100 : 28
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	120
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	140
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	40
Setting expansion after 2 hours (%)	0.15
Working time (min)	5.0 - 6.0
End of setting (min)	approx. 20

### Recommended for:

- Study models
- Static models
- Repair models in the prosthetic technique
- Opposing models

## SHERAKFO-GIPS

Hard plaster for orthodontics

- dense and homogeneous consistency
- very easy to etch

Item no.	Unit
102080-58 (white)	20 kg

Technical data	
Mixing ratio (p : d. w.)*	100 : 30
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	100
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	130
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	40
Setting expansion after 2 hours (%)	0.15
Working time (min)	5.0 - 6.0
End of setting (min)	approx. 25

### Recommended for:

- Study models
- Static models
- Repair models in the prosthetic technique
- Opposing models

## SHERAALABASTER

Plaster type 2 (class 2)

- for investing of partial and full dentures
- good flow characteristics
- precise reproduction of all details of wax models

Item no.	Unit
103010-70 (white)	20 kg

Technical data	
Mixing ratio (p : d. w.)*	100 : 45 - 50
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	40
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	45
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	20
Setting expansion after 2 hours (%)	0.18
Working time (min)	2.0 - 3.0
End of setting (min)	approx. 20

### Recommended for:

- Study models
- Flask technique

\*Mixing ratio = Powder : distilled water



# Stone for Basing Models & Special Plaster

## SHERASOCKEL-FLÜSSIG

Super hard stone, liquid

- particular liquid consistency
- flows under arches and pins
- very dense, firm margins
- bubble-free bases
- low expansion for stress-free models

Item no.	Unit
101110-38 (bright blue)	20 kg
101110-46 (rich yellow)	
101110-62 (terra)	
101110-66 (turquoise)	
101110-70 (white)	
101110-85 (light green)	

Technical data	
Mixing ratio (p : d. w.)*	100 : 23
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	230
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	250
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	50
Setting expansion after 2 hours (%)	0.05
Working time (min)	3.5 - 4.5
End of setting (min)	approx. 40

### Recommended for:

- Dental arch bases

\*Mixing ratio = Powder : distilled water

## SHERAEXPAND

Special plaster for thermoplastic resins

- increased expansion
- balances the shrinking of thermoplastic resins
- good flow properties
- smooth and homogeneous surfaces

Item no.	Unit
109031-70 (white)	5 kg

Technical data	
Mixing ratio (p : d. w.)*	100 : 20
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	160
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	180
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	30
Setting expansion after 2 hours (%)	approx. 1.0
Working time (min)	4.0 - 6.0
End of setting (min)	approx. 40

### Recommended for:

- Thermoplastic acrylics



# Plasters type 3

## Modelling plasters

### SHERADYNAMIC

Very fast hard plaster

- ideally suitable for fast repair models
- optimised expansion for denture technique
- even for investing of models in flasks
- good flow characteristics
- smooth and homogeneous surfaces

#### Technical data

Mixing ratio (p : d. w.)*	100 : 30
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	110
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	120
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	40
Setting expansion after 2 hours (%)	0.15
Working time (min)	2.5 - 3.0
End of setting (min)	approx. 10

Item no.	Unit
102120-14 (yellow)	20 kg
102120-68 (mint green)	

#### Recommended for:

- Working models
- Opposing models
- Study models



### SHERAPLASTER

Hard plaster, superior quality

- for all prosthetic models
- for investing of models in flasks
- creamy consistency
- very good flow characteristics
- firm margins
- smooth and homogeneous surfaces

#### Technical data

Mixing ratio (p : d. w.)*	100 : 30
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	120
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	140
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	45
Setting expansion after 2 hours (%)	0.15
Working time (min)	4.0 - 5.0
End of setting (min)	approx. 25

Item no.	Unit
102010-14 (yellow)	20 kg
102010-24 (green light)	
102010-26 (light blue)	
102010-70 (white)	

#### Recommended for:

- Working models
- Opposing models
- Study models



### SHERAALPIN

Hard plaster

- for all prosthetic models
- for investing of models in flasks
- shortened working time
- very good flow characteristics
- smooth and homogeneous surfaces

#### Technical data

Mixing ratio (p : d. w.)*	100 : 30
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	100
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	110
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	40
Setting expansion after 2 hours (%)	0.15
Working time (min)	3.5 - 4.0
End of setting (min)	approx. 20

Item no.	Unit
102020-14 (yellow)	20 kg
102020-26 (light blue)	
102020-70 (white)	

#### Recommended for:

- Working models
- Opposing models
- Study models



\*Mixing ratio = Powder : distilled water

www.shera.de



# GET THE BEST PLASTER!

### SHERA GET TO PLASTER

Hard plaster type 3

- for all prosthetic, opposing and splint models
- extremely easy to mix
- tolerant in processing (28ml - 30ml)
- bubble-free mixing
- silky surface

Item no.	Unit
102110-22 (silver)	18 kg
102110-38 (sky)	18 kg
102110-70 (snow)	18 kg
102110-84 (sun)	18 kg

#### Technical data

Mixing ratio (p : d. w.)*	100 : 28 - 30
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	110
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	120
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	40
Setting expansion after 2 hours (%)	0.15
Working time (min)	4.0 - 5.0
End of setting (min)	approx. 20

#### Recommended for:

- Prosthetic technique
- Opposing models
- Splint models

\*Mixing ratio = Powder : distilled water

www.shera.de



# SHERA POWER-ARTI

The articulating plaster. Keeps its promises.

- shellproof
- adheres extremely well, even to smooth model surfaces
- easy to mix and thixotrope

Item no.	Unit
102160-70 (white)	20 kg

#### Technical data

Mixing ratio (p : d. w.)*	100 : 28
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	100
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	120
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	30
Setting expansion after 2 hours (%)	< 0.04
Working time (min)	2.0 - 2.5
End of setting (min)	approx. 15

#### Recommended for:

Articulating  
Milling bases  
Over bites



\*Mixing ratio = Powder : distilled water

# Articulating Plasters

## SHERAARTI

Articulating plaster

- high adhesive effect
- reduced working time
- extreme low expansion
- excellent stacking properties

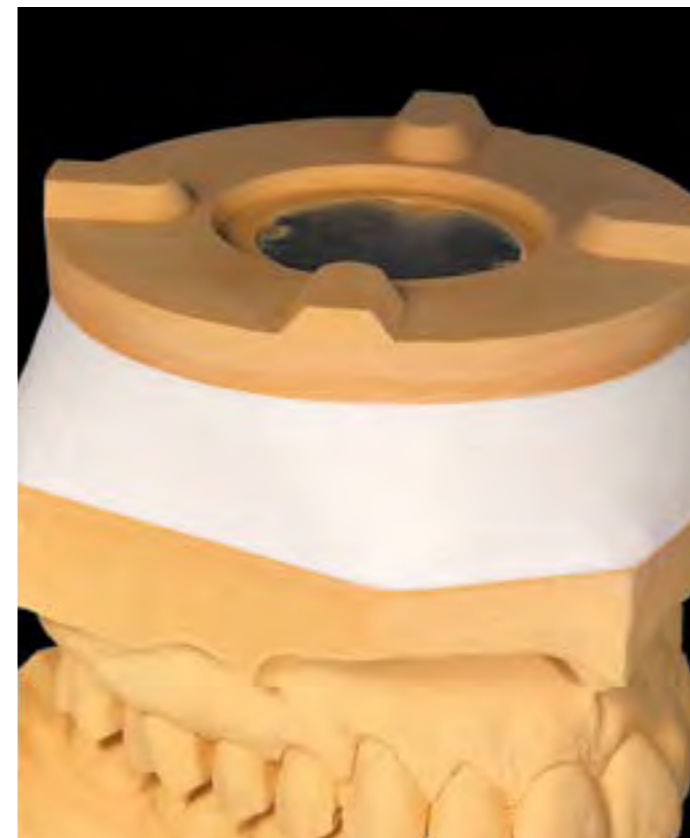
Item no.	Unit
102040-70 (white)	20 kg

#### Technical data

Mixing ratio (p : d. w.)*	100 : 30
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	80
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	90
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	25
Setting expansion after 2 hours (%)	< 0.03
Working time (min)	2.0 - 2.5
End of setting (min)	approx. 15

#### Recommended for:

Articulating  
Milling bases  
Over bites



## SHERAARTI-QUICK

Fast-setting articulating plaster

- extra-white colour
- very short working time
- extreme low expansion
- very thixotrope

Item no.	Unit
102050-70 (white)	20 kg

#### Technical data

Mixing ratio (p : d. w.)*	100 : 30
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	80
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	90
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	25
Setting expansion after 2 hours (%)	< 0.03
Working time (min)	1.0 - 1.5
End of setting (min)	approx. 10

#### Recommended for:

Articulating  
Milling bases  
Over bites



\*Mixing ratio = Powder : distilled water

www.shera.de



# Articulating Plasters



## SHERAADHESO

Articulating plaster with high adhesive strength

- very high adhesive effect
- short working time
- extreme low expansion
- excellent stacking properties

Item no.	Unit
102060-70 (white)	20 kg

### Technical data

Mixing ratio (p : d. w.)*	100 : 30
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	80
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	90
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	25
Setting expansion after 2 hours (%)	< 0.03
Working time (min)	2.0 - 2.5
End of setting (min)	approx. 15



## SHERAMOUNT

Articulating plaster

- high adhesive effect
- creamy consistency
- excellent stability
- top price-performance ratio

Item no.	Unit
102070-70 (white)	20 kg

### Technical data

Mixing ratio (p : d. w.)*	100 : 40
Hardness after 2 hours (MPa; N/mm <sup>2</sup> )	55
Hardness after 24 hours (MPa; N/mm <sup>2</sup> )	60
Compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	20
Setting expansion after 2 hours (%)	< 0.05
Working time (min)	2.0 - 2.5
End of setting (min)	approx. 15

\*Mixing ratio = Powder : distilled water

www.shera.de



# Model resin



## SHERAPOLAN 2 : 1

Model resin based on polyurethane

- ideal for pouring out thin undercut dies
- optimised for scanning in grey colour
- dimensionally stable and long-lasting
- short setting time
- absolute dimensionally stable margins and resistant to abrasion
- very hard material which is easy to saw, polish and trim

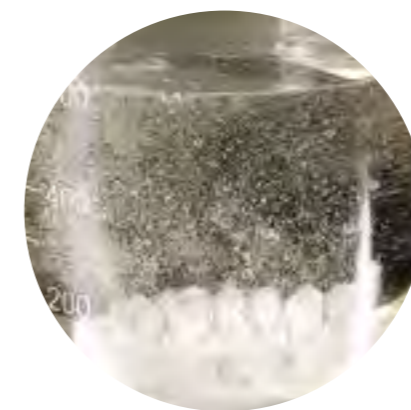
### Item no.

516010 (ivory), 516011 (light brown), 516017 (grey)

### Unit

set consists of:  
300 g component A, 150 g component B, 10 mixing cups,  
5 spatulas

# The SHERA assistants



## SHERASON 928

Stone / plaster solvent

- removes stone and plaster residues from dentures or spatulas
- can be diluted 1 : 2 with water
- appropriate for ultrasonic bath

Item no.	Unit
702080	1 litre
702081	5 litres



## SHERAFLOC

Stone / plaster precipitating agent

- bonds particles in the plaster trap
- prevents blocked pipes
- reduces unpleasant odours
- use 10 ml of SHERAFLOC for every 1 litre of water

Item no.	Unit
709046	2 x 5 litres

www.shera.de



# Technical data Stones / Plasters

## Modelling Stones Type 4

	SHERAHARD-ROCK	SHERAMAXIMUM 2000	SHERAMAXIMUM
colours	golden brown, golden yellow, light yellow, light green	golden brown, grey, rich yellow, white, light yellow	yellow, golden brown, grey
mixing ratio (p : d. w.)	100 : 20	100 : 20	100 : 20
hardness after 2 hours (MPa; N/mm <sup>2</sup> )	300	300	300
hardness after 24 hours (MPa; N/mm <sup>2</sup> )	320	320	320
compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	65	60	60
setting expansion after 2 hours (%)	< 0.10	0.10	0.10
working time (min)	5.0 – 6.0	6.0 – 7.0	6.0 – 7.0
end of setting (min)	approx. 30	approx. 30	approx. 30

## Modelling Stones Type 4

	SHERAPURE	SHERAPREMIUM	SHERAAQUA
colours	light grey, creme white	apricot, ivory, yellow, golden brown, grey, light green, white	golden brown, pink, white
mixing ratio (p : d. w.)	100 : 20	100 : 20	100 : 23
hardness after 2 hours (MPa; N/mm <sup>2</sup> )	310	280	250
hardness after 24 hours (MPa; N/mm <sup>2</sup> )	330	290	270
compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	70	60	55
setting expansion after 2 hours (%)	0.08	0.10	0.10
working time (min)	6.0 – 7.0	4.5 – 5.5	4.5 – 5.5
end of setting (min)	approx. 30	approx. 30	approx. 30



# Technical data Stones / Plasters

## Modelling Stones Type 4

## & 5

	SHERAFAVORIT	SHERAJIVE	SHERAPRIMA
colours	ivory, golden brown	golden brown, light yellow	rich yellow
mixing ratio (p : d. w.)	100 : 20	100 : 25	100 : 20
hardness after 2 hours (MPa; N/mm <sup>2</sup> )	300	200	300
hardness after 24 hours (MPa; N/mm <sup>2</sup> )	320	220	320
compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	60	50	65
setting expansion after 2 hours (%)	0.10	0.14	0.18
working time (min)	6.0 – 7.0	ca. 2.5	6.0 – 7.0
end of setting (min)	approx. 30	approx. 10	approx. 35

## Stone for Basing Models & Special Plasters

	SHERASOCKEL-FLÜSSIG	SHERAEXPAND	SHERABLACK-ROCK
colours	bright blue, rich yellow, terra, turquoise, white, light green	white	black
mixing ratio (p : d. w.)	100 : 23	100 : 20	100 : 20
hardness after 2 hours (MPa; N/mm <sup>2</sup> )	230	160	240
hardness after 24 hours (MPa; N/mm <sup>2</sup> )	250	180	260
compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	50	30	50
setting expansion after 2 hours (%)	0.05	ca. 1.00	0.10
working time (min)	3.5 – 4.5	4.0 – 6.0	5.0 – 6.0
end of setting (min)	approx. 40	approx. 40	approx. 45





# Technical data Stones / Plasters

## Modelling Plasters Type 3

	SHERADYNAMIC	SHERAPLASTER	SHERAALPIN
colours	yellow	yellow, light green, light blue, white	yellow, light blue, white
mixing ratio (p : d. w.)	100 : 30	100 : 30	100 : 30
hardness after 2 hours (MPa; N/mm <sup>2</sup> )	110	120	100
hardness after 24 hours (MPa; N/mm <sup>2</sup> )	120	140	110
compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	40	45	40
setting expansion after 2 hours (%)	0,15	0,15	0,15
working time (min)	2,5 - 3,0	4,0 - 5,0	3,5 - 4,0
end of setting (min)	approx. 10	approx. 25	approx. 20

## Modelling Plasters Type 3

	SHERAGET TO PLASTER	SHERABIANCO	SHERAKFO-GIPS
colours	snow, sun, silver, sky	snow-white	white
mixing ratio (p : d. w.)	100 : 28 - 30	100 : 28	100 : 30
hardness after 2 hours (MPa; N/mm <sup>2</sup> )	110	120	100
hardness after 24 hours (MPa; N/mm <sup>2</sup> )	120	140	130
compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	40	40	40
setting expansion after 2 hours (%)	0,15	0,15	0,15
working time (min)	4,0 - 5,0	5,0 - 6,0	5,0 - 6,0
end of setting (min)	approx. 20	approx. 20	approx. 25



# Technical data Stones / Plasters

## Modelling Plasters Type 2

	SHERAALABASTER	SHERAARTI	SHERAADHESO
colours	white	white	white
mixing ratio (p : d. w.)	100 : 45-50	100 : 30	100 : 30
hardness after 2 hours (MPa; N/mm <sup>2</sup> )	40	80	80
hardness after 24 hours (MPa; N/mm <sup>2</sup> )	45	90	90
compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	20	25	25
setting expansion after 2 hours (%)	0,18	< 0,03	< 0,03
working time (min)	2,0 - 3,0	2,0 - 2,5	2,0 - 2,5
end of setting (min)	approx. 20	approx. 15	approx. 15

## Articulating Plasters

## Articulating Plasters

	SHERAARTI-QUICK	SHERAMOUNT	SHERAPOWDER-ARTI
colours	white	white	white
mixing ratio (p : d. w.)	100 : 30	100 : 40	100 : 28
hardness after 2 hours (MPa; N/mm <sup>2</sup> )	80	55	100
hardness after 24 hours (MPa; N/mm <sup>2</sup> )	90	60	120
compressive strength after 1 hour (MPa; N/mm <sup>2</sup> )	25	20	30
setting expansion after 2 hours (%)	< 0,03	< 0,05	< 0,04
working time (min)	1,0 - 1,5	2,0 - 2,5	2,0 - 2,5
end of setting (min)	approx. 10	approx. 15	approx. 15



# Impression Material Treatment



## SHERARELAXA

Impression and surface tension release agent

- for alginate, polyether and silicone impressions
- improves the flow properties of stones / plasters and investments
- releases surface tension of waxes
- bubble-free models without any residues
- very good wetting properties
- formaldehyde and solvent free
- especially effective and economical in use

Item no.	Unit
709179	50 ml incl. spray nozzle
709175	500 ml

Product video

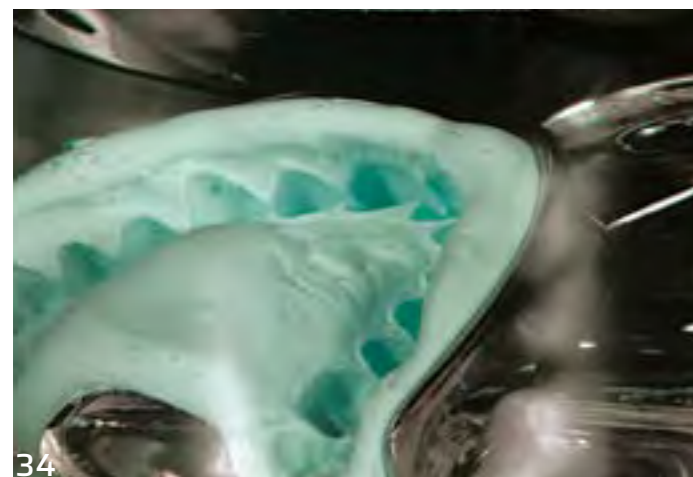


## SHERAMASTER

Impression and surface tension release agent

- for silicones, polyether impressions and waxes
- increases the flow characteristics of stones / plasters in impressions
- prevents the formation of bubbles around wax-ups in investments
- alcohol, formaldehyde and solvent free
- odourless

Item no.	Unit
709070	1 litre



## IMPRESSION DISINFECTANT

Aldehyde-free, ready for use disinfectant solvent for the dipping technique

- for disinfecting cleaning of all dental impression materials
- bactericide, yeasticidal, tuberculocidal, limited virucidal (enveloped viruses)
- has an inactivating effect on HBV, HIV, HCV
- available in France and Germany
- MEDICAL DEVICE OF CLASS IIA\*

Item no.	Unit
703021	5 litres

\* medical devices are not available in every country. Please contact export@shera.de



# Isolating agents

## SHERAISOLEX

Isolating agent – sponge

- isolates stone / plaster against wax
- isolates wax against wax
- isolates alloy against wax
- very thin and homogeneous isolating layer
- simple application

Item no.	Unit
701083	30 ml bottle with brush



## SHERASEPAL-U

Separating agent spray based on wax

- separates stone / plaster against stone / plaster
- separates polyether impressions against model resin
- seals simultaneously
- thin separating layer

Item no.	Unit
701055	500 ml spray can



## SHERASEPARAT

Separating agent spray based on wax

- separates stone / plaster against stone / plaster
- separates polyether impressions against model resin
- seals simultaneously
- very thin and homogeneous separating layer
- fast drying

Item no.	Unit
701105	300 ml spray can





# Isolating Agents



## SHERASEP-G

Stone / plaster separating agent based on wax and silicone

- separates stone / plaster against stone / plaster
- seals simultaneously
- very thin separating layer
- water repellent

<b>Item no.</b>	<b>Unit</b>
701045	500 ml



## SHERATEC

Separating agent based on alginate

- colour: colourless
- separates stone / plaster against acrylic
- is absorbed completely by the stone / plaster
- very thin separating film
- formaldehyde and silicone free

<b>Item no.</b>	<b>Unit</b>
701066	500 ml

# Adhesive & Co.



## SHERAMEGA 2000

Instant adhesive based on cyanoacrylate

- viscosity: 20 - 40 mPas
- excellent adhesive strength
- high fluidity
- patented lid
- anaerobic instant adhesive

<b>Item no.</b>	<b>Unit</b>
958120	20 g



## SILICONE SPRAY

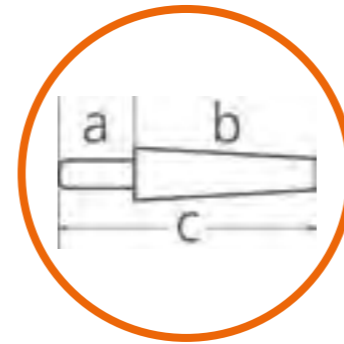
Maintenance spray

- for maintenance of articulators, trimmers, vibrators and flasks
- prevents sticking of stone / plaster
- for wetting silicones when working in the acrylic technique
- very economical in use

<b>Item no.</b>	<b>Unit</b>
709165	400 ml spray can



# Pins



## DOWEL PIN

- size 2
- a: 5 mm, b: 17 mm, c: 22 mm

<b>Item no.</b>	942102
<b>Unit</b>	1000 pieces



## DOWEL PIN

- with milling
- a: 5 mm, b: 12 mm, c: 17 mm

<b>Item no.</b>	942103
<b>Unit</b>	1000 pieces



## DOWEL PIN

- size 2
- with swordfish end for retention
- a: 11 mm, b: 17 mm, c: 28 mm

<b>Item no.</b>	942104
<b>Unit</b>	1000 pieces



## BI-PIN

- with small sleeve
- a: 5 mm, b: 14 mm, c: 19 mm
- sleeve c: 12 mm

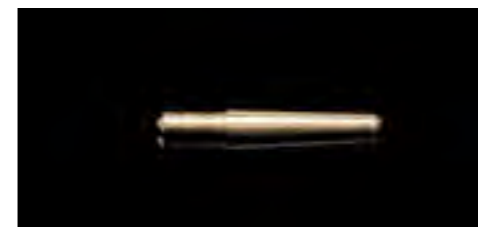
<b>Item no.</b>	942203
<b>Unit</b>	100 pieces



## PIN DRILL

- reinforced with web
- ø 1.60 mm
- for TAPERED and GRADUATED PIN
- c: 35 mm
- shaft dimension 3.0 mm

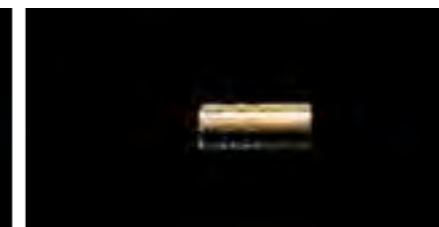
<b>Item no.</b>	942901
<b>Unit</b>	1 piece



## TAPERED PIN

- for DRILL (ø 1.60 mm)
- a: 5 mm, b: 13 mm, c: 18 mm

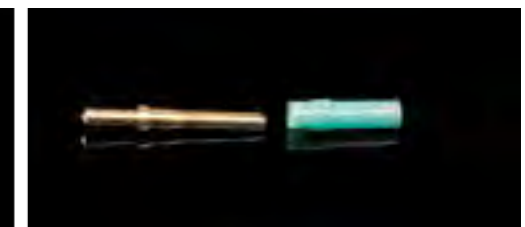
<b>Item no.</b>	942401
<b>Unit</b>	1000 pieces



## METAL SLEEVE

- for TAPERED PIN
- c: 10 mm

<b>Item no.</b>	942402
<b>Unit</b>	1000 pieces



## GRADUATED PIN

- with sleeve
- for DRILL (ø 1.60 mm)
- a: 6 mm, b: 12 mm, c: 18 mm
- sleeve c: 11 mm

<b>Item no.</b>	942801
<b>Unit</b>	1000 pieces



# Silicone Putties

Addition cure silicone putties 1:1



## SHERATANDEM 60

Silicone putty

- shore hardness A 60
- for the preparation of over bites as well as models for denture repairs
- very accurate in reproduction in detail, boil-proof
- dimensionally stable
- very homogeneous when kneading

Item no.	Unit
301270	2 x 1.5 kg
301275	2 x 5 kg



## SHERATANDEM 85

Silicone putty

- shore hardness A 85
- for the preparation of over bites as well as models for denture repairs
- very accurate in reproduction in detail, boil-proof
- dimensionally stable
- very homogeneous when kneading

Item no.	Unit
301240	2 x 1.5 kg
301245	2 x 5 kg



## SHERATANDEM 90

Silicone putty

- shore hardness A 90
- for the preparation of over bites as well as models for denture repairs
- very accurate in reproduction in detail, boil-proof
- dimensionally stable
- very homogeneous when kneading

Item no.	Unit
301210	2 x 1.5 kg
301215	2 x 5 kg



# Silicone Putties

Addition cure silicone putties 1:1



## SHERADUETT-SOFT

Silicone putty

- shore hardness A 85
- for the preparation of over bites as well as models for denture repairs
- for isolating teeth against stone when flasking
- very exact moulding, stable to boiling
- dimensional stability

Item no.	Unit
301040	2 x 1.5 kg
301045	2 x 5 kg



## SHERADUETT

Silicone putty

- shore hardness A 90
- for the preparation of over bites as well as models for denture repairs
- for isolating teeth against stone when flasking
- very exact moulding
- dimensional stability

Item no.	Unit
301010	2 x 1.5 kg
301015	2 x 5 kg



# Silicone Putties

Addition cure silicone putties 1:1



## SHERADUPLICA

Silicone putty

- shore hardness A 85
- for isolating teeth against stone when flasking
- very exact moulding
- dimensional stability, boil-proof

Item no.	Unit
301070	2 x 1.5 kg
301071	2 x 3 kg

## SHERADUPLICA-HARD

Silicone putty

- shore hardness A 95
- slightly oily
- very exact moulding
- dimensional stability, boil-proof

Item no.	Unit
301130	2 x 1.5 kg
301131	2 x 3 kg

# Condensation cure silicone putties



## SHERAEXACT 65

Silicone putty

- shore hardness A 65
- for isolating teeth against stone when flasking
- silky smooth consistency
- very homogeneous and dense
- high final strength
- mixes easily with hardener SHERAPASTENHÄRTER

Item no.	Unit
302016	10 kg

## SHERAPASTENHÄRTER

Catalyst for SHERA silicone putties

- in plastic tube
- simple to dose

Item no.	Unit
302094	40 ml

## SHERAEXACT 85

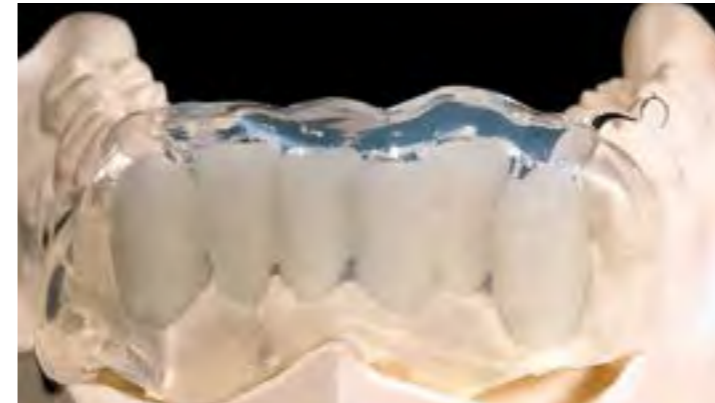
Silicone putty

- shore hardness A 85
- for isolating teeth against stone when flasking
- soft and non-sticky
- very homogeneous and dense
- highly dimensionally stable
- boil-proof
- mixes easily with hardener SHERAPASTENHÄRTER

Item no.	Unit
302021	1.8 kg
302026	10 kg
302027	25 kg



# Silicones in Cartridges



## SHERACRYSTAL

Transparent silicone

- addition cure silicone
- on the basis of polysiloxane
- for working with light cure materials
- for the production of over bites
- shore hardness A 70

Item no.	Unit
960201	Set consists of: 2 double cartridges each of 50 ml, 10 mixing turquoise



## SHERAGINGIVAL

Silicone natural appearance

- for gingival masks for model preparation
- addition cure silicone
- special colour with natural appearance
- easy to cut and trim
- for the direct and indirect use
- shore hardness A 70

Item no.	Unit
960101	Set consists of: 2 double cartridges each of 50 ml, 12 mixing nozzles pink



## MIXING GUN

for 2-phase cartridges

Item no.	Unit
960301	1 piece



## MIXING NOZZLES

for 50 ml cartridges

- pink, ø 7 mm, 65 mm long (for SHERAGINGIVAL)
- yellow, ø 6 mm, 50 mm long (for individual application)
- blue, ø 5 mm, 45 mm long (for individual application)

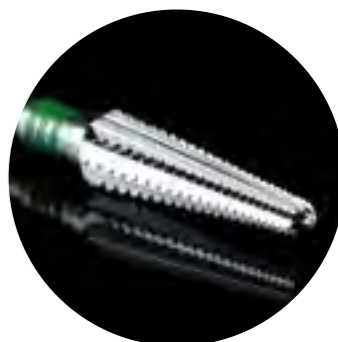
Item no.	Unit
960302 (pink)	50 pieces
960303 (yellow)	
960307 (blue)	



## INTRA ORAL TIPS

for mixing nozzles in pink

Item no.	Unit
960304	50 pieces



## MILLING BUR

for SHERAGINGIVAL

Item no.	Unit
960306	1 piece



# Casting technique



Waxes  
& Co.

Investments

Embedding  
Accessories

Duplicating  
Materials

Alloys

Soldering  
Agents



# Accessories for Modelling

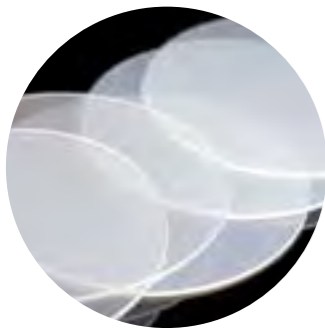


## SHERAPLAST

Light-curing modelling resin, ready for use

- for modelling of telescopic and conical crowns, milled elements and attachments, inlays and onlays, chrome castings parts, individual implant abutments and bars as well as crowns and bridges
- very good fluidity while coupled with high stability
- burns without residues
- colour: red translucent

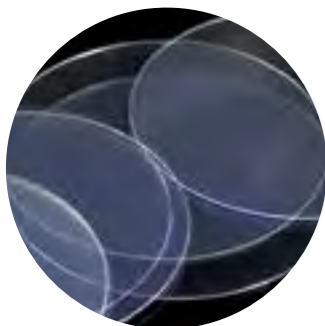
Item no.	Unit
509010	3 dosing syringes of 3 g incl. 10 intra oral tips



## DEEP DRAWING FOILS

- for the Adapta System
- burns without residues
- ø 42 x 0.6 mm

Item no.	Unit
990104 (hard)	100 pieces
990105 (soft)	



## UNDERLAY FOILS

- ø 42 x 0.1 mm

Item no.	Unit
990106	200 pieces



## SHERASTUMPFLACK

Die spacer

- serves as spacer between die and crown
- fast drying
- scratch resistant
- the layer of varnish does not soften when in contact with hot water or steam

Item no.
962401 (silver, 13 µm)

Unit
15 ml bottle with brush

## THINNER for SHERASTUMPFLACK

Item no.	Unit
962801	100 ml



# Waxes



## AESTHETIC WAX

- ideally suited for wax ups
- for modelling crowns and bridges
- for clean and smooth surfaces
- does not smear
- can be milled
- free of titanium dioxide therefore, burns without residues

Item no.	Unit
974115 (white)	45 g

## CERVICAL WAX

- for precisely tailored crown margins
- free of tensions
- very low thermal contraction
- burns without residues

Item no.	Unit
974121 (red)	45 g

## CARVING WAX

- carves without flaking
- higher hardness
- for very smooth surfaces
- burns without residues

Item no.	Unit
974111 (green)	45 g

## SCAN WAX

- modelling and block-out wax
- laser and light opaque
- for very smooth surfaces
- burns without residues

Item no.	Unit
SD802010 (beige)	45 g



## MODELLING WAX

- for perfect modelling
- saves working time
- very good sculpturing features
- short cool-down phase
- very low thermal contraction
- free of plastic particles

Item no.	Unit
974101 (green)	45 g
974102 (grey)	
974104 (beige)	
974105 (blue)	



## SHERAREPRO-WAX

Modelling and injection wax

- suitable for processing with the wax injector and for traditional wax ups with extended plastic phase
- lukewarm easily deformable, without breaking, tearing or splintering
- ideally suited for the production of wax occlusals and wax ups
- accepts facets and contact points very precisely
- suitable for press ceramics



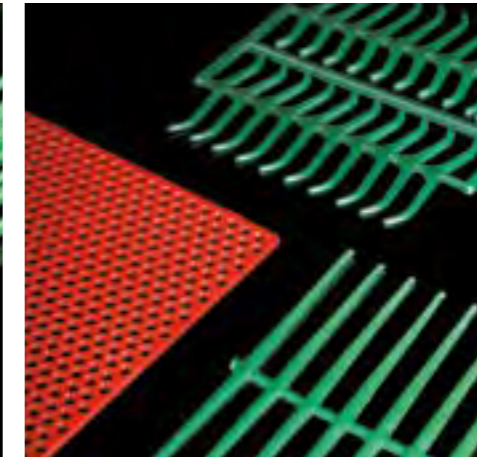
Item no.	Unit
974150	1 block of 50 g



## PROFIL BARS ROUND

- ø 1.0 mm
- medium hardness

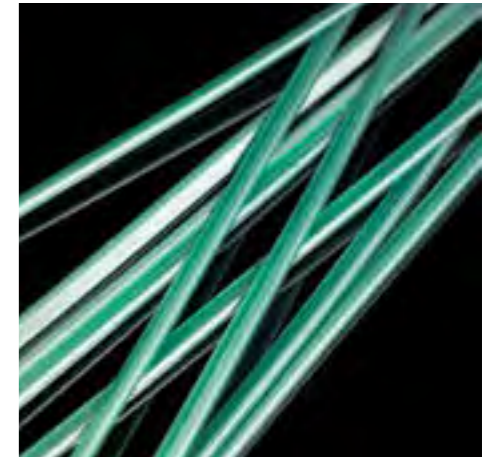
Item no.	Unit
974921 (emerald green)	38 g



## WAX PATTERNS

- simple to adapt
- dimensionally stable while mouldable at the same time

Item no.	Unit
974222	molar clasps, 10 sheets
974225	round grid retentions, 20 sheets
974226	ring clasps straight, 10 sheets



## LOWER JAW BARS

- simple to adapt
- dimensionally stable while mouldable at the same time
- 2 x 4 x 145 mm

Item no.	Unit
974291	65 g



## ADHESIVE WAX

- elastic
- high adhesive strength
- high hardness
- exceedingly ductile
- low shrinkage
- ideally suited as a quick bonder

Item no.	Unit
974293 (red)	4 discs of ø 7.5 cm



## WAX WIRE

- medium hardness
- dimensionally stable while mouldable at the same time

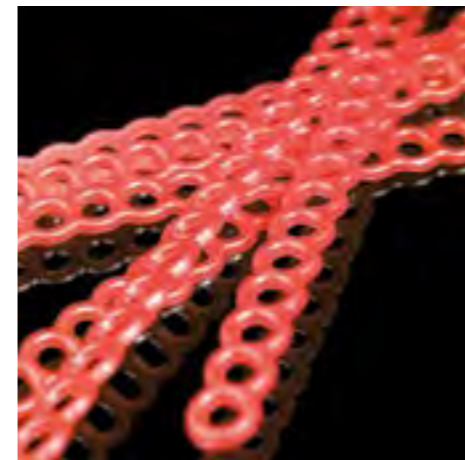
Item no.	Unit
974902 (ø 2.5 mm)	1 roll (250 g)
974903 (ø 3.0 mm)	
974901 (ø 3.5 mm)	
974904 (ø 4.0 mm)	



## PINK SHEET WAX

- top quality
- multi-purpose wax
- exceptionally elastic
- excellence in modelling
- low contraction
- opaque colour for optimal control
- MEDICAL DEVICE OF CLASS I\*

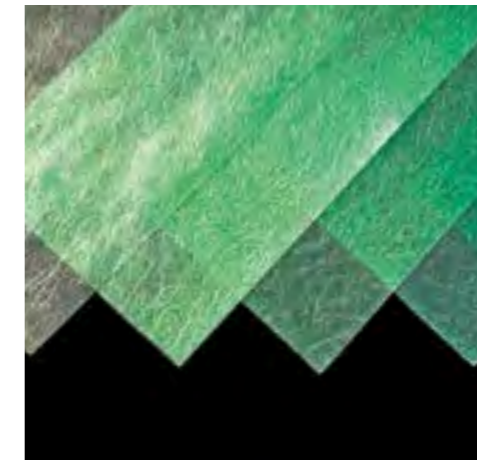
Item no.	Unit
974294	2,5 kg



## HOLE RETENTION BARS

- easy to adapt
- dimensionally stable while mouldable at the same time

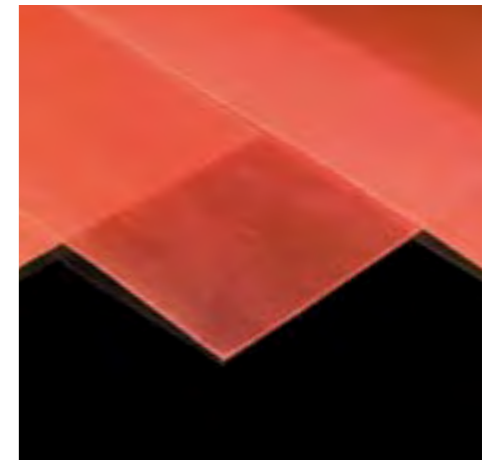
Item no.	Unit
974292	25 bars



## CASTING WAX COARSE-VEINED

- for chrome casting
- high quality ductile
- easy to adapt
- does not stretch while moulding

Item no.	Unit
974213 (0.4 mm)	15 sheets
974214 (0.5 mm)	
974215 (0.6 mm)	



## PREPARATION WAX

- for chrome casting
- elastic quality
- easy to adapt
- dimensionally stable while mouldable at the same time

Item no.	Unit
974201 (0.5 mm)	15 sheets
974202 (0.6 mm)	
974203 (0.7 mm)	





# Investments

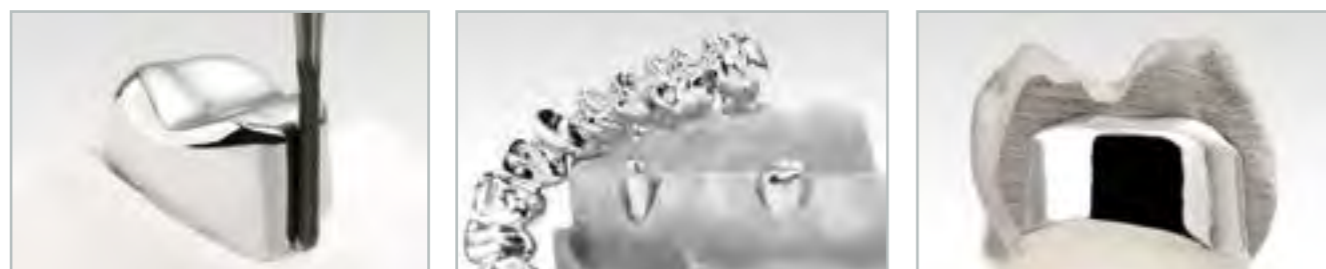
SHERA offers an extensive range of investments which meet the high demands of precision investment casting. The technical characteristics are convincing for these approved investments.

SHERA investments are:

- especially fine grained and thus have extremely good flow characteristics
- precise in detail, as the creamy mass flows into even the finest of detail
  - permeable for degassing
- very easy to control in order to achieve an exact expansion
  - used with one liquid only
- optimal in order to bind a maximum of oxides
- for precise casting results with a very high surface quality

All SHERA investments are as suitable for the shock heat as for the traditional slow heating process. From chrome casting to crown and bridge technique, as well as for one-piece casting or 3D printed casting designs: SHERA has developed perfectly suited investments for each technique.





## Investment for telescopic crown technique

### SHERAFRIXION

- for telescopic crown and implant technique, crowns and bridges
  - for non-precious metal alloys
- for shock heat or the traditional slow heating process
- for modellations of wax, self-curing or light curing modelling resin (e.g. SHERAPLAST) or 3D printed resins

Item no.	Unit
201052	4.5 kg (25 x 180 g)



## SHERA UNDER PRESSURE



## Special investment for press ceramic

- very flowable
- expansion can be controlled reliably
- hard and yet can be easily removed by sandblasting
- for smooth surfaces of the pressed objects
- very thin reaction layer

Item no.	Unit
201061	3.5 kg (35 x 100 g)



# SHERAFINA® 2000

Investment for crown and bridge technique



- premium quality for all gold up to non-precious alloys, press ceramic as well as gold telescopics
- very fine and dense consistency for castings with very smooth surfaces and extremely precise fit
  - easy to control expansion
  - for shock heat and traditional heating process

Item no.	Unit
201010	3 kg (50 x 60 g)
201011	6 kg (60 x 100 g)
201012	6 kg (38 x 160 g)



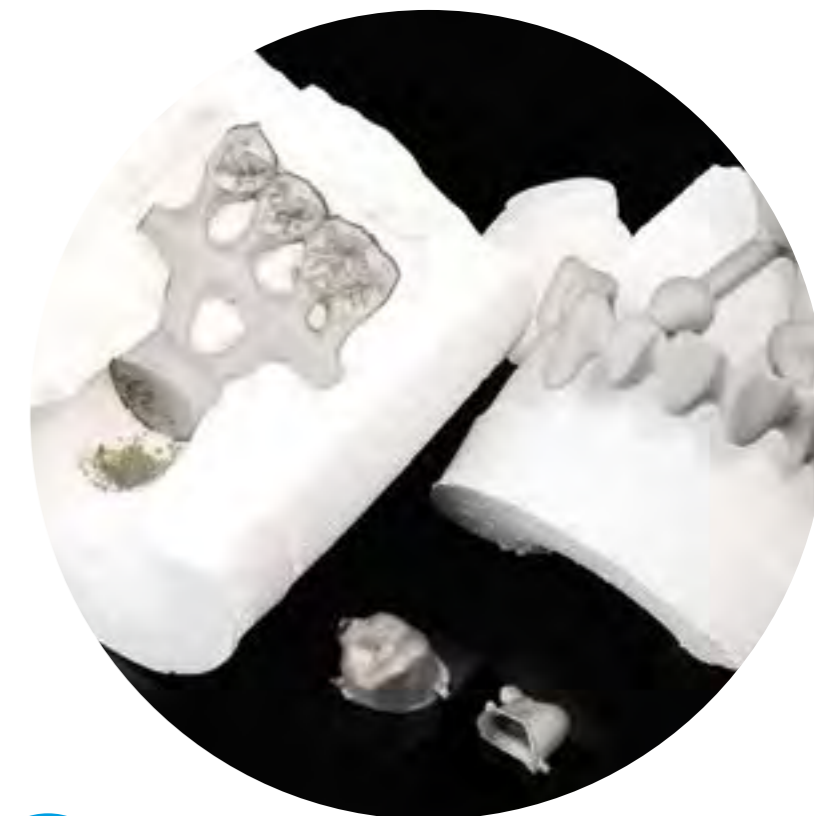
# Crown and bridge investments

## SHERAFINA®-RAPID

Investment for crown and bridge technique

- suitable for all high gold up to non-precious alloys
- expansion is easy to control
- for shock heat and for traditional heating process
- fine and dense consistency
- for castings with smooth surfaces
- for an precise fit

Item no.	Unit
201020	3 kg (50 x 60 g)
201022	6 kg (38 x 160 g)

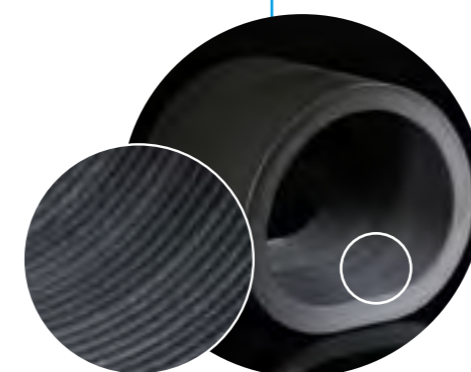


### Only short use of vibrating plate



TIP

Place the muffle former for just a short time onto the vibrator when filling up with investment. Vibrating helps to prevent air bubbles, but also causes segregation of the material, if it takes too long.

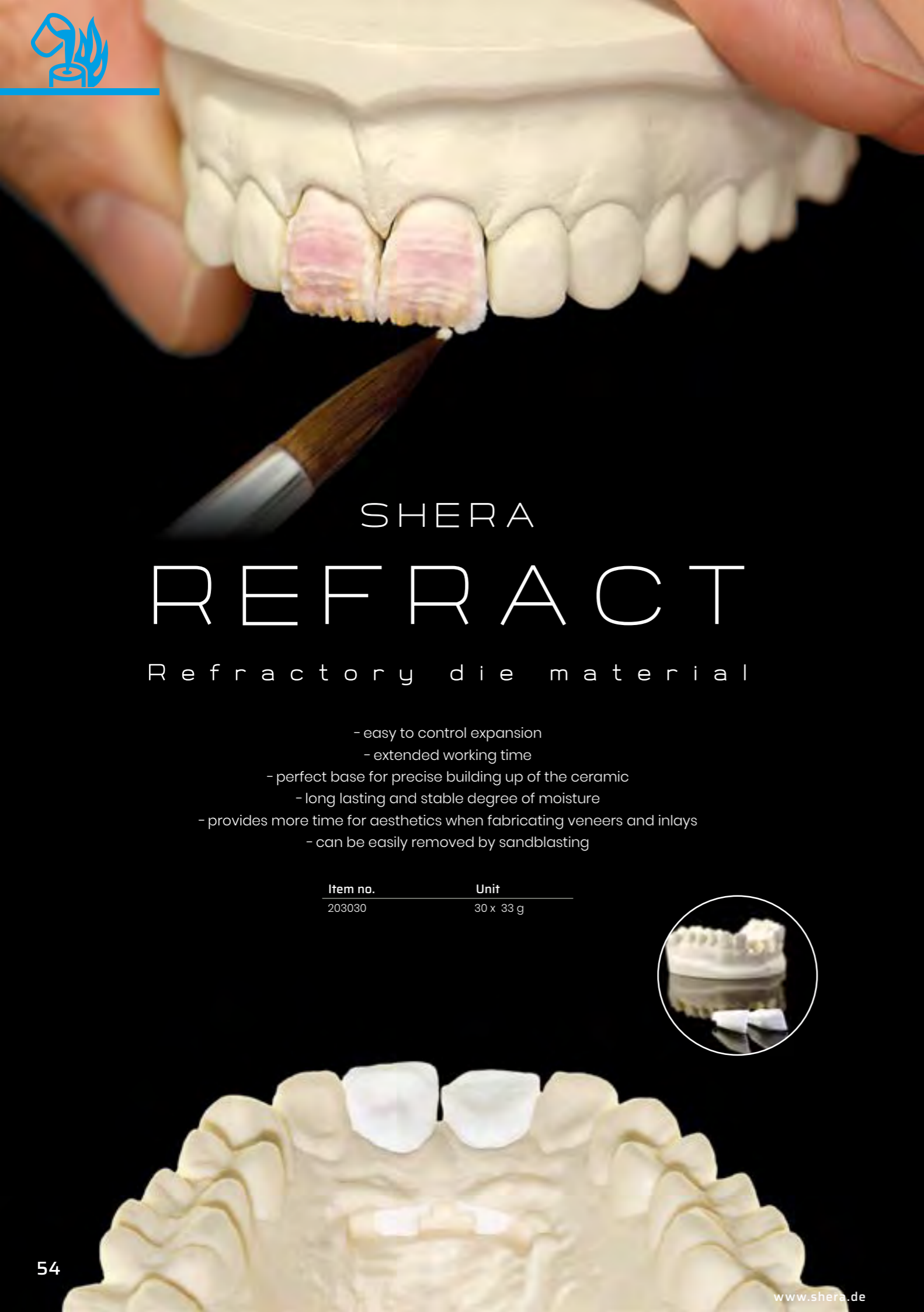


### Mould formers made of cellular rubber



TIP

Use mould formers made of cellular rubber. In our opinion there is nothing better. Cellular rubber has a thermal elasticity that provides room for the desired controlled expansion. The thick-walled material has isolating properties which allows the investment to thermally react and set homogeneously irrespective of external conditions. The surface of the investment stays open porous at the mould wall and enables the arising gases and humidity to escape - this way avoiding muffle cracking and fissures. You may find them on page 56.



# SHERA REFRACT

Refractory die material

- easy to control expansion
- extended working time
- perfect base for precise building up of the ceramic
  - long lasting and stable degree of moisture
- provides more time for aesthetics when fabricating veneers and inlays
  - can be easily removed by sandblasting

Item no.	Unit
203030	30 x 33 g



## Special Investments



### SHERAVEST RP

- Investment for rapid prototyping
- phosphate bonded
  - for 3D printed resin models, such as crowns, bridges and chrome casting works
  - for casting almost all kind of alloys
  - very precise casting result
  - maximum bonding of arising oxide

Item no.	Unit
202093	10 kg (40 x 250 g)
202095	10 kg (4 x 2.5 kg)



### Well-rounded Concept

The 3D printing resin SHERAprint-cast&press and the investment SHERAVEST RP are perfectly matched with each other. You may find them on page 133.



### SHERATITAN-EASY

- Investment for pure titanium and titanium containing alloys
- for shock heat and for traditional heating process
  - reduces the formation of an alpha case layer on the cast object
  - oxides largely remain bonded in the investment
  - expansion can easily be controlled by the liquid
  - can be cast without casting ring
  - very fine and dense consistency
  - for castings with very smooth surfaces
  - for an exceptional precise fit

Item no.	Unit
209013	1,6 kg

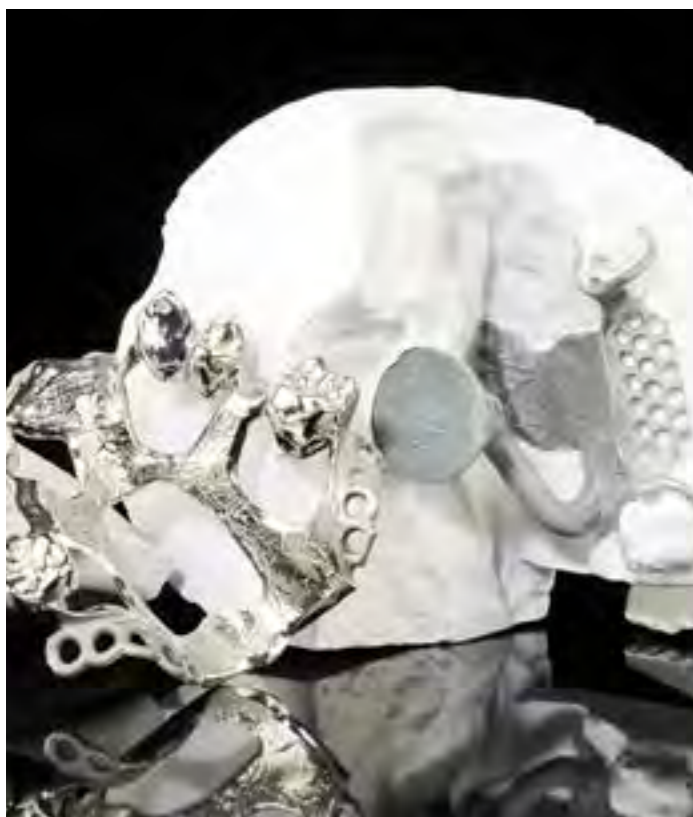


### SHERAREFRACT Perfect-Start Set

Would you like to try SHERAREFRACT?  
The "Perfect-Start-Set" contains everything you need for a successful start:

- 8 x 33 g SHERAREFRACT
- 100 ml SHERALIQUID
- 1 x measuring cylinder of 10 ml
- 2 x 250 g DUOSIL H
- 1 x printed model (with two removable dies for veneers)
- 1 x **Dublierset** (duplicating set)
- item no: 203035





## SHERACAST

Robust chrome investment

- robust quality
- for shock heat and for traditional heating process
- for silicone and gel duplication
- for chrome castings with a very precise fit
- for very smooth surfaces
- for very stable margins
- binds the oxides

Item no.	Unit
202020	10 kg (50 x 200 g)
202021	20 kg (50 x 400 g)
202025	20 kg (8 x 2.5 kg)



## SHERACAST 2000

Chrome investment

- fine quality, creamy consistency
- for shock heat and for traditional heating process
- for silicone duplication
- for chrome castings with a very precise fit
- for extremely smooth surfaces
- for very stable margins
- binds the oxides

Item no.	Unit
202010	10 kg (50 x 200 g)
202011	10 kg (25 x 400 g)
202015	20 kg (8 x 2.5 kg)



## SHERALIQUID

Expansion liquid

- can be mixed with distilled water according to the recommendations given for the investment used
- sensitive to cold

Item no.	Unit
208010	1 litre
208011	5 litres

## SHERALIQUID EXTRA

Expansion liquid

- for any kind of work requiring a greater expansion
- use only as admixture with SHERALIQUID
- sensitive to cold

Item no.	Unit
208020	1 litre

## MEASURING CYLINDER

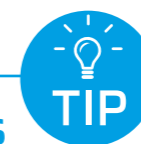
- measuring volume of up to 100 ml
- scale in embossed font
- stable due to hexagon base
- thermal load up to 80°C

Item no.	Unit
992302	1 piece



### Winter stocks

Remember to build up winter stocks of SHERALIQUID in due time. The liquid is sensitive to cold and cannot be delivered at temperatures lower than +5°C.



### Mixing ratios



Which mixing ratio leads to the best results? On our homepage [www.shera.de](http://www.shera.de) you may find the requested information of SHERA investments. For further questions please direct your inquiry to our application technicians. They are pleased to assist you.



## Mould formers

For each casting we have developed the suitable mould former made of cellular rubber. The elasticity of this material allows the investment to expand freely. The inside walls of the formers are ribbed, this imparts a surface on the mould

which can more easily degas in the furnace and hence prevent cracking. Moreover, the mould surrounding of one centimetre thickness provides an optimal climate and thus makes highest precision possible.



### SHERAMUFFELFORMER K&B

with sprue former

- reusable multiple times
- facilitates the expansion of the investment

Item no.	Unit
926101 (3er mould)	1 piece
926102 (6er mould)	
926103 (9er mould)	

### SHERAMUFFELFORMER MG

without sprue former

- reusable multiple times
- facilitates the expansion of the investment

Item no.	Unit
926105	1 piece

### SHERABIO-MUFFELVLIES

Bio casting ring liner

- 25 metres per roll
- well-tolerated AES wool
- protects the muffles made of cellular rubber against abrasion
- enables an increased porosity of silicone muffles
- extra thick and soft
- yields to expansion

Item no.	Unit
926211	1 roll (50 x 1 mm)



## For an improved optical result

Use white casting ring liner inside of the muffle. The wax-up can be seen much better due to the bright colour of the ring liner – for more control when investing. The casting ring liner does not alter the optimum properties of the muffle former.



TIP



## Accessories for investment models



### SHERADUBLIER-SET

System for duplicating refractory dies

- provides space for up to 6 dies
- easy demoulding of the silicone from the muffle ring
- with flat surfaces, for simple, vertical fixation of stone or printed dies with wax
- light colour base for a better visual control of the die position
- reusable

Item no.	Unit
922130	consists of muffle ring + duplicating plate Base of 50 mm diameter printed in light-coloured SHERAprint-model desert and a muffle ring in size 3x

Recommended for SHERACAST duplicated in Agar-Agar



### SHERAPORAL

Solvent free dipping hardener

- hardens and seals investment models
- very low viscosity
- it soaks very easily into the model's surface
- to be used without thinner

Item no.	Unit
926401	1 litre
926402	5 litre

### SHERAPOR-L

Dipping hardener

- hardens and seals investment models
- wax patterns will adhere better
- very low viscosity
- it soaks very easily into the model's surface

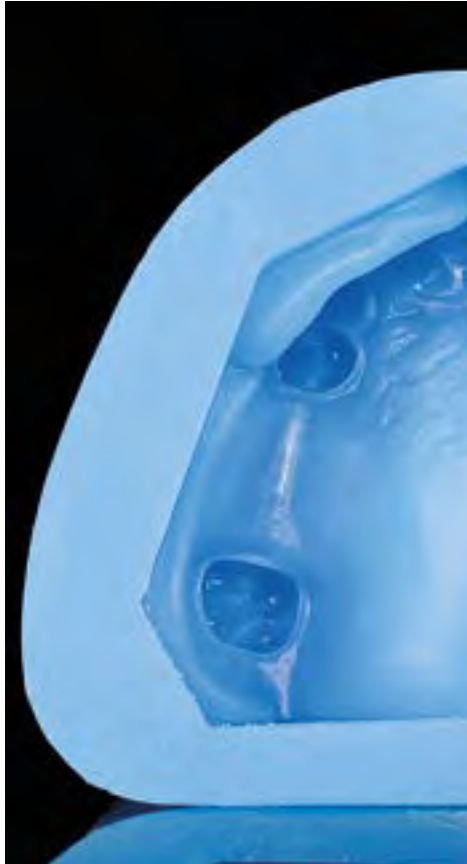
Item no.	Unit
926301	500 ml
926302	5 litre



# Silicone duplicating materials

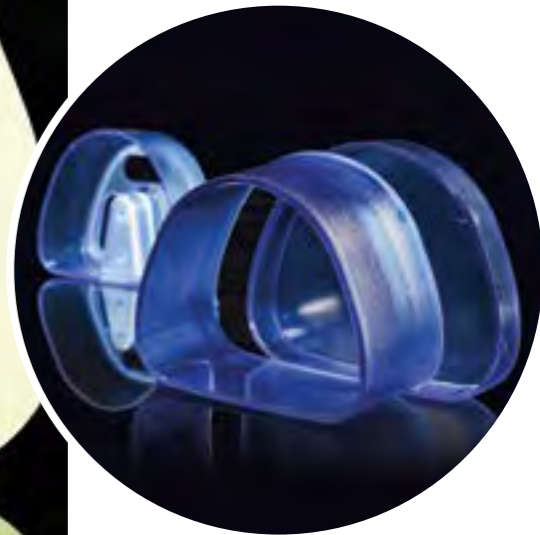
The addition cure duplicating silicones of the DUOSIL range of SHERA distinguish themselves by a high tear-resistance and outstanding recovery of the material. The silicone moulds of DUOSIL can reliably be poured out several times.

These bottles are compatible with many commercial silicone dispensing devices. However, we recommend dosing the silicones by hand.



### SHERARELAXA

Improves the flow properties of stones / plasters in case of alginate, polyether, silicone as well as persulfide impressions - for bubble-free models. You may find on page 32.



## DUOSIL S

- Shore hardness A 9
- colour: royal blue
- very soft and elastic
- setting time: 20 minutes
- especially suitable for thin dies
- for undercut situations

Item no.	Unit
321140	2 x 1 kg

## DUOSIL H

- Shore hardness A 17
- colour: blue
- soft and elastic
- setting time: 20 minutes
- even for models with undercut thin dies
- for chrome casting preparation
- yields to the expansion of the investment

Item no.	Unit
321040	2 x 1 kg
321041	2 x 5 kg

## DUOSIL D

- Shore hardness A 22
- colour: turquoise
- medium hardness
- setting time: 20 minutes
- for a quick recovery
- even suited to dies for the galvano technique

Item no.	Unit
321010	2 x 1 kg
321011	2 x 5 kg

## DUOSIL EXPRESS

- Shore hardness A 22
- colour: yellow
- medium hardness
- shortened setting time: 9 minutes
- due to the shortened reaction time it is essential to mix by hand
- enables fast working
- for stones and investments

Item no.	Unit
321100	2 x 1 kg
321101	2 x 5 kg

## DUOSIL EXTRA HART

- Shore hardness A 32
- colour: lime green
- great hardness
- setting time: 20 minutes
- suitable for very smooth resin surfaces
- slightly oily
- very fast recovery

Item no.	Unit
321070	2 x 1 kg

## DUPLICATING FLASK

- suitable for silicone and gel technique
- anchorage due to tapered sleeve part

Item no.	Unit
922120	1 piece (four-piece)



# Duplicating Gels

SHERA duplicating gels distinguish themselves by an exact duplication. They can be heated conventionally or in a microwave are reusable and biodegradable. Their varied

elasticity makes them suitable for different applications in the laboratory.



## SHERAGEL

Duplicating gel for acrylic casting technique

- colour: red
- for acrylic casting technique in denture prosthetics
- for chrome cobalt models and prosthetics
- strong duplicating gel

Item no.	Unit
322020	6 kg

## SHERAHYDROKOL

Duplicating gel for stone / plaster models

- colour: beige
- firm duplicating material
- fast and economical

Item no.	Unit
322040	6 kg



## SHERAFORM

Duplicating gel for investment

- colour: white
- extremely strong duplicating material
- for very smooth and dense surfaces similar to those of silicone moulds
- excellent elastic recovery
- very tear-resistant
- long working life

Item no.	Unit
322030	6 kg

## SHERADUBLE

Duplicating gel for investment

- colour: green
- elastic duplicating gel
- excellent price-performance ratio

Item no.	Unit
322010	6 kg



### Agar-Agar instead of silicone: Take care of the environment and save money

Duplicating gels are an environmentally friendly alternative to silicones. Agar-Agar is a renewable raw material. The duplicating materials based on alga extracts have a long life span, are of multiple use and biodegradable. Using this duplicating gels you protect the environment and save money in one step!



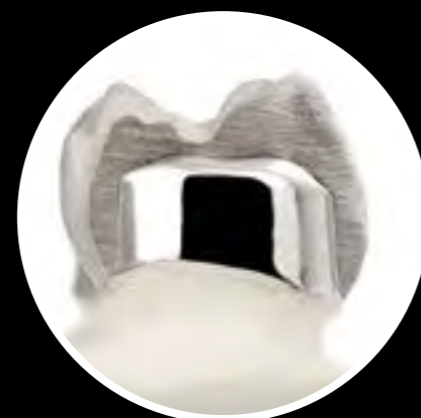
# Duplicating Gels





## Alloys

SHERA offers cobalt-based dental casting alloys optimised for various applications. SHERA alloys are CE-marked medical devices and are subject to strict quality requirements as well as constant controls. All SHERA alloys are free of beryllium, cadmium and nickel according to EN ISO 22674.





# SHERA HEAVY-METAL



recommended for  
fixed/removable  
appliance and  
clasp  
denture

## SHERAHEAVY-METAL

- Dental alloy on the basis of cobalt
- for combination works and clasp dentures
  - suitable for laser welding
  - alloy type 5
  - medical device of class IIa

Item no.	Unit
401070	100 g

Composition in %	
Cobalt	64
Chrome	28
Molybdenum	6
further elements below 1 %	C, Fe, Mn, Si, Nb, N

Technical data	
Vickers hardness (HV 1)	360
density (g/cm <sup>3</sup> )	8,2
tensile strength (MPa)	800
0,2-yield strength (MPa)	650
elongation limit (%)	5
modulus of elasticity (GPa)	220
solidus point (°C)	1270
liquidus point (°C)	1400
casting temperature (°C)	1500



# Model Casting Alloys

The model casting alloys of SHERA are all-purpose alloys. The programme includes alloys with extreme spring stiffness as well as especially elastic alloys



Recommended  
for combination  
dentures

## SHERANAXOS

- Dental alloy on the basis of cobalt
- for combination dentures
  - suitable for laser welding
  - alloy type 5
  - MEDICAL DEVICE OF CLASS II A\*

Item no.	Unit
401063	1000 g

Technical data	
Vickers hardness (HV 10)	389
density (g/cm <sup>3</sup> )	8,3
0,2-yield strength (MPa)	610
elongation limit (%)	6
modulus of elasticity (GPa)	200
solidus point (°C)	1,340
liquidus point (°C)	1,400
casting temperature (°C)	1,450

Composition in %	
Cobalt	62
Chrome	31
Molybdenum	5
further elements below 1 %	C, Fe, Si, Mn,



Recommended  
for partial  
dentures

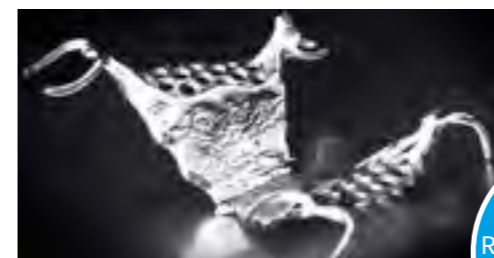
## SHERALIT-IMPERIAL

- Dental alloy on the basis of cobalt
- for removable partial and combination dentures
  - suitable for laser welding
  - alloy type 4
  - MEDICAL DEVICE OF CLASS II A\*

Item no.	Unit
401013	1000 g

Technical data	
Vickers hardness(HV 1)	350
density (g/cm <sup>3</sup> )	8,3
tensile strength (MPa)	669
0,2-yield strength (MPa)	379
elongation limit (%)	12
modulus of elasticity (GPa)	222
solidus point (°C)	1,338
liquidus point (°C)	1,406
casting temperature (°C)	1,560

Composition in %	
Cobalt	64
Chrome	28
Molybdenum	6,0
further elements below 1 %	C, Fe, Mn, Si, Nb



Recommended  
price

## SHERALIT-CYLINDRA

- Dental alloy on the basis of cobalt
- universal alloy
  - suitable for laser welding
  - alloy type 4
  - MEDICAL DEVICE OF CLASS II A\*

Item no.	Unit
401043	1000 g

Technical data	
Vickers hardness (HV 10)	340
density (g/cm <sup>3</sup> )	8,3
tensile strength (MPa)	675
0,2-yield strength (MPa)	441
elongation limit (%)	9
modulus of elasticity (GPa)	197
solidus point (°C)	1,350
liquidus point (°C)	1,400
casting temperature (°C)	1,600

Composition in %	
Cobalt	63
Chrome	29
Molybdenum	6
further elements below 1 %	C, Fe, Si, Mn

\* medical devices are not available in every country. Please contact export@shera.de



# Crown and Bridge Alloys

SHERA crown and bridge alloys bond very well with ceramics, are suitable for laser welding and distinguish themselves by their ideal hardness.



Alloy for metal base structures

## SHERADENT

- Cobalt based dental alloy for ceramic
- fabrication of metal base structures for metal-ceramic crowns
- suitable for laser welding
- alloy type 5
- MEDICAL DEVICE OF CLASS IIA\*

Item no.	Unit
402023	1000 g

### Technical data

Vickers hardness (HV 10)	286
density (g/cm <sup>3</sup> )	8.8
0.2-yield strength (MPa)	570
elongation limit (%)	10
modulus of elasticity (MPa)	194
solidus point (°C)	1,309
liquidus point (°C)	1,470
casting temperature (°C)	1,520
WAK (25-600°C)	14.6 x 10 <sup>-6</sup> K <sup>-1</sup>

### Composition in %

Cobalt	64
Chrom	21
Molybdän	6
Wolfram	6
weitere Elemente unter 1 %	Si, Mn, Fe



# Soldering / Lasing

## SHERALOT-N

- Solder bar
- for all non-precious alloys
- all-purpose
- MEDICAL DEVICE OF CLASS IIA\*

Item no.	Unit
934131	approx. 6 g



## HEAT SHIELDING AND ISOLATING PASTE

- Heat protection and isolating paste
- asbestos free
- protects all acrylics, ceramics and metals against damage caused by heat while soldering
- can be applied easily and selectively
- odourless, does not generate any fumes
- can be rinsed off without residue

Item no.	Unit
934231	250 g tube



## LASER WELDING WIRES

- Welding wire
- for all non-precious alloys
- for chrome casting alloys
- MEDICAL DEVICE OF CLASS IIA\*

Item no.	Unit
934311	2 metre roll (ø 0.35 mm)
934321	2 metre roll (ø 0.5 mm)

# Polishing

## SHERADAN

- Polishing electrolyte
- for brilliant shiny metal surfaces
- quick acting

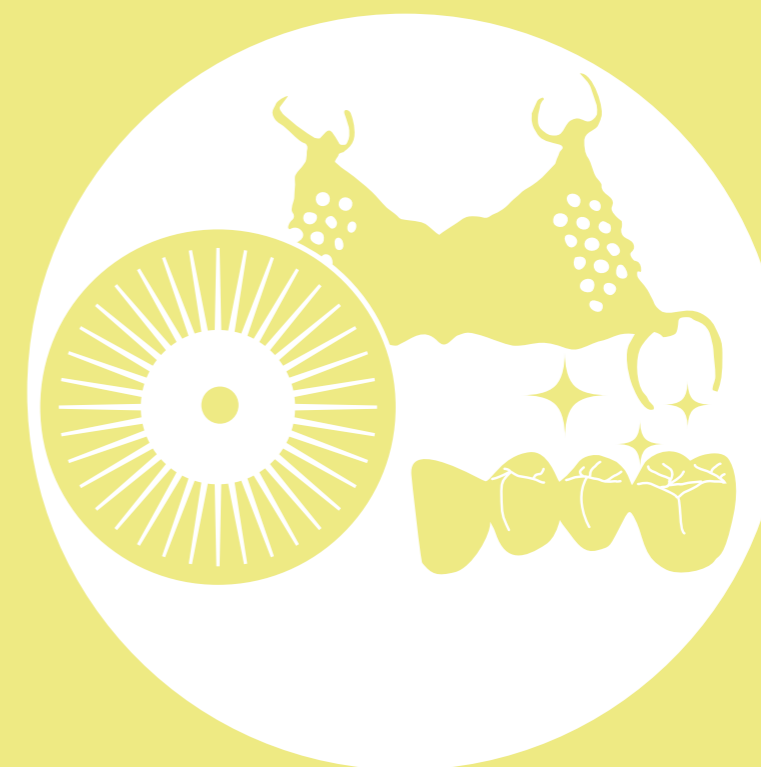


# Preparation for Ceramic Works

## FRAME CLEANER

- Ready for use liquid for cleaning and degreasing
- for sandblasting chromes before firing
- intensive effect
- prevents the formation of bubbles in the ceramic





# Finishing

page  
**70**

Abrasives

page  
**71**

Occlusion  
Sprays

page  
**72**

Cutting  
Discs

page  
**74**

Polishers

page  
**76**

Polishing  
Agents

page  
**79**

Brushes



# Abrasives

SHERA abrasives are of highest quality standard and degree of purity possible. The hydroscopic abrasives are protected from moisture and packed in handy 5 kg bags. The SHERASTRAHLKORUND is delivered in 25 kg boxes.



## SHERASTRAHLKORUND

- 95 % aluminium oxide
- colour: white
- graining: 250 µm
- for sandblasting of chrome castings
- very hard and sharp-edged
- removes rests of investments quickly

Item no.	Unit
601011	25 kg



## SHERAALUMINIUMOXID

- 99.7 % aluminium oxide
- colour: white
- Graining:
  - 250 µm for chrome castings
  - 150 µm for precious or non-precious alloy
  - 110 µm for precious or non-precious alloy
  - 50 µm for precious alloy or ceramic

Item no.	Unit
603010 (250 µm)	5 kg or 20 kg (4 x 5 kg)
602040 (150 µm)	5 kg or 20 kg (4 x 5 kg)
602030 (110 µm)	5 kg or 20 kg (4 x 5 kg)
602020 (50 µm)	5 kg or 20 kg (4 x 5 kg)



# Occlusion spray



## SHERAGLANZSTRAHLPERLEN

- Glass polishing beads
- made of lead free sodium glass
- for compressing, smoothing and polishing of metal surfaces
- non-abrasive
- Graining: 50 µm for precious, reduced and non-precious alloys

Item no.	Unit
604020 (50 µm)	5 kg or 20 kg (4 x 5 kg)



## CONTACTSPRAY

- Occlusion spray
- homogeneous micro powder layer
- contact points can be marked exactly
- does not smear or flake
- can easily be washed or steam cleaned off
- free of solvents, grease or CFC

Item no.	Unit
914101 (green)	75 ml spray can



# Cutting discs

## ECO-LINE

### CUTTING DISCS

- for all alloys
- glass-fibre reinforced
- good price-performance ratio



- 22 x 0,2 mm  
- 50.000/min

Item no.	Unit
970151	50 pieces



- 26 x 0,3 mm  
- 50.000/min

Item no.	Unit
970253	25 pieces



- 22 x 0,3 mm  
- 50.000/min

Item no.	Unit
970153	50 Pieces



- 26 x 0,5 mm  
- 50.000/min

Item no.	Unit
970254	25 Pieces



- 22 x 0,5 mm  
- 50.000/min

Item no.	Unit
970155	25 Pieces



- 40 x 0,5 mm  
- 38.200/min

Item no.	Unit
970255	10 pieces



# Cutting Discs

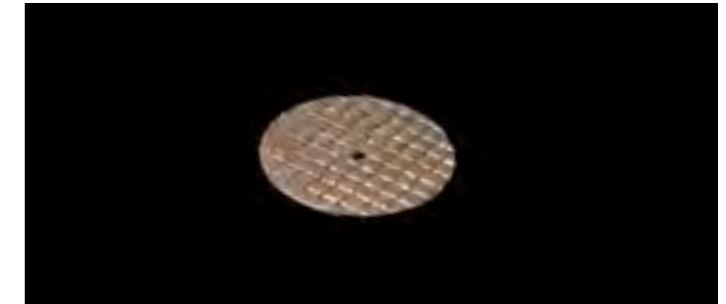
## ECO-LINE



### DIAMOND CUTTING DISCS

- for ceramic
- glass-fibre reinforced
- high cutting performance
- 20 x 0,25 mm
- 50.000/min

Item no.	Unit
970161	10 Pieces



### DIAMOND CUTTING DISCS

- for ceramic
- glass-fibre reinforced
- high cutting performance
- 20 x 0,3 mm
- 50.000/min

Item no.	Unit
970163	10 Pieces

## HIGH-LINE



### CUTTING DISCS FIBRE REINFORCED

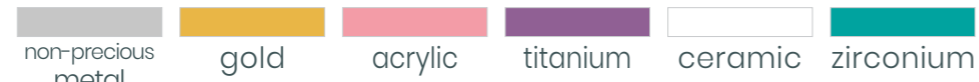
- 22 x 0,3 mm
- for non-precious metal, gold and ceramic
- very flexible
- extreme long service life
- 35.000/min

Item no.	Unit
970110	50 Pieces



# Polishers

Our recommended areas of application are characterized by the following colours:



SHERA polishers can be used individually and in many ways.



## WHEEL WHITE

Silicone polisher  
- 22 x 3 mm  
- pre-polishing  
-  $\approx$  20,000/min  
- fine-grained, soft

Item no.	950101	Areas of application
Unit	100 pieces	



## WHEEL WHITE

Silicone polisher  
- 22 x 3 mm  
- pre-polishing  
-  $\approx$  7,000 - 10,000/min  
- coarse-grained, hard

Item no.	950113	Areas of application
Unit	100 pieces	



## WHEEL BLUE

Silicone polisher  
- 22 x 3 mm  
- pre-polishing, ideally suited for the junction ceramic-metal  
-  $\approx$  20,000/min  
- medium-grained

Item no.	950110	Areas of application
Unit	100 pieces	



## WHEEL GREY

- 22 x 3 mm  
- pre-polishing of titanium materials  
-  $\approx$  20,000/min  
- medium-grained

Item no.	950307	Areas of application
Unit	25 pieces	



## LENS WHITE

Silicone polisher  
- 22 x 3 mm  
- pre-polishing  
-  $\approx$  7,000 - 10,000/min  
- coarse-grained

Item no.	950102	Areas of application
Unit	100 pieces	



## LENS BLUE

Silicone polisher  
- 22 x 3 mm  
- pre-polishing, ideally suited for the junction ceramic-metal  
-  $\approx$  20,000/min  
- medium-grained

Item no.	950111	Areas of application
Unit	100 pieces	



## ROLLER WHITE

Silicone polisher  
-  $\varnothing$  6 mm  
- pre-polishing  
-  $\approx$  20,000/min  
- fine-grained, soft

Item no.	950103	Areas of application
Unit	100 pieces	



## ROLLER WHITE

Silicone polisher  
-  $\varnothing$  7 mm  
- pre-polishing  
-  $\approx$  7,000 - 10,000/min  
- coarse-grained, hard

Item no.	950114	Areas of application
Unit	100 pieces	



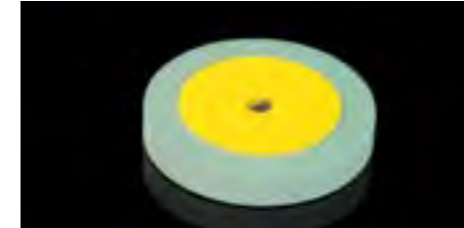
## ROLLER BLACK

Silicone polisher  
-  $\varnothing$  6 mm  
- pre-polishing  
-  $\approx$  20,000/min  
- medium-grained

Item no.	950107	Areas of application
Unit	100 pieces	



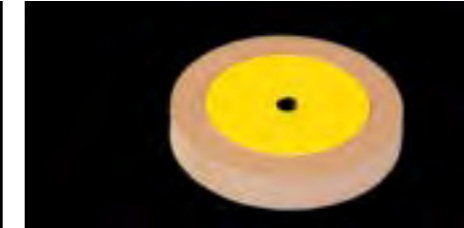
# Polishers



## ZIRCONIA POLISHERS GREEN

Diamond polishers  
- 17 x 2.5 mm  
- pre-polishing  
-  $\approx$  7,000 - 10,000/min  
- medium-grained

Item no.	950501	Areas of application
Unit	1 piece	



## ZIRCONIA POLISHERS BROWN

Diamond polishers  
- 17 x 2.5 mm  
- precision polishing  
-  $\approx$  7,000 - 10,000/min  
- fine-grained

Item no.	950502	Areas of application
Unit	1 piece	



## WHEEL BLACK

Silicone polisher  
- 22 x 3 mm  
- pre-polishing  
-  $\approx$  20,000/min  
- medium-grained

Item no.	950106	Areas of application
Unit	100 pieces	



## INTERDENTAL RUBBER GREEN

- 22 x 1 mm  
- precision polishing  
-  $\approx$  10,000/min  
- fine-grained

Item no.	950304	Areas of application
Unit	25 pieces	



## OCCUSAL POLISHER BROWN

-  $\varnothing$  3 mm  
- pre-polishing  
-  $\approx$  20,000/min  
- coarse-grained

Item no.	950109	Areas of application
Unit	100 pieces	



## ROLLER GREEN

-  $\varnothing$  6 mm  
- precision polishing  
-  $\approx$  10,000/min  
- fine-grained

Item no.	950303	Areas of application
Unit	100 pieces	



## ROLLER RED

-  $\varnothing$  6 mm  
- pre-polishing  
-  $\approx$  15,000/min  
- extra coarse-grained

Item no.	950104	Areas of application
Unit	100 pieces	



## ROLLER BROWN

-  $\varnothing$  7 mm  
- precision polishing  
-  $\approx$  20,000/min  
- coarse-grained

Item no.	950302	Areas of application
Unit	100 pieces	



# Polishing Agents

SHERA polishing agents contain neither quartz nor cadmium and achieve a brilliant high-lustre finish in no time at all. The polishing agents do not smear and remove black residues

from the metal surfaces. We offer a perfectly matching polishing agent for all dental appliances surfaces.



## SHERAPOL 701

Pre- and high-lustre polishing paste

- colour: green
- for all alloys, ceramics and composites
- especially for gold and titanium
- very fast and efficient
- for an excellent shine

## SHERAPOL 704

Pre- and high-lustre polishing paste

- colour: pink
- for all alloys
- especially for chrome and non-precious alloys
- saves polishing time
- very economic
- for an excellent shine

## SHERAPOL 705

Universal polishing paste

- colour: white
- for all alloys, acrylics and ceramics
- polishes chrome dentures in one step

Item no.	Unit	Item no.	Unit	Item no.	Unit
954101	approx. 300 g bar	954104	approx. 300 g bar	954105	approx. 300 g bar



## SHERAPOL-RESIN

High-lustre polishing paste

- colour: white
- for all acrylics and composites
- excellent high-lustre in short time
- fast and economic

Item no.	Unit
954110	approx. 100 g bar



# SHERA GLAMOUR

## The diamond polishing paste. Let it shine.

Whether made of zirconium, press ceramic, non-precious metal ceramic - your dental work looks brilliant after finishing with SHERAGLAMOUR. Thanks to the different grain sizes of the diamond powder in SHERAGLAMOUR, polishing from coarse to fine succeeds quickly in one process without removing material noticeably. Show off your skills and shine. Glam as you can!

Item no.	Unit
954231	20 g

- high gloss in one working step from pre-polishing to superfinishing to remove milling grooves and other contours and scratches
- no glazing necessary
- economic in use
- especially effective with goat's hair brushes
- good adhesion to the polishing brush







# Polishing agents



## SHERABIMBSSTEINPULVER

- for pre-polishing of acrylics and ceramics
- medium-grained

Item no.	Unit
954310	5 kg
954311	22.5 kg

## SHERABIMFLUID AB

- Mixing liquid for pumice powder
- protects hands from drying out
  - pleasant smell
  - oily consistency
  - can be diluted with water

Item no.	Unit
709100	1 litre
709101	5 litres



## SHERABIMSPASTE

- Polishing paste
- pleasant smell
  - for pre-polishing of acrylics

Item no.	Unit
954301	5 kg



## SHERALUX 711

- High-lustre polishing emulsion
- colour: pink
  - for acrylics and alloys
  - brilliant high-lustre finish in short time
  - seals surfaces
  - economic in use

Item no.	Unit
954212	500 g



## SHERALUX 715

- High-lustre polishing cream
- colour: pink
  - for acrylics and alloys
  - brilliant high-lustre finish in short time
  - seals surfaces
  - removes small scratches from the acrylic
  - economic in use

Item no.	Unit
954215	300 g



# Brushes

## CHUNGKING BRISTLES



### 65 mm

- 2-row brush
- for polishing of crown, bridge and chrome works
  - very hard, short and pointed

Item no.	Unit
910101	1 piece



### 50 mm

- 2-row brush
- for polishing of crown, bridge and chrome works
  - pointed

Item no.	Unit
910202	1 piece



### 50 mm

- 2-row brush with wooden hub
- for polishing of acrylics and metals
  - pointed

Item no.	Unit
910207	1 piece



### 80 mm

- 5-ply brush
- for pre-polishing of acrylic
  - chunking bristles
  - with nettle cloth lining

Item no.	Unit
910102	1 piece

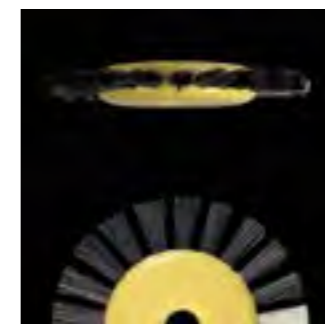
## CHUNGKING BRISTLES



### 48 mm

- Slim brush
- for polishing of crown, bridge and chrome works
  - black

Item no.	Unit
910209	1 piece



### 45 mm

- Brush 1-row
- especially suitable for polishing of interdental spaces
  - for final polishing of fine contours of acrylic dentures
  - black

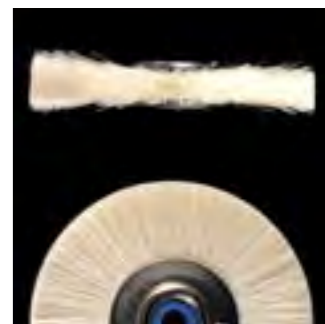
Item no.	Unit
910205	1 piece



### 48 mm

- Slim brush
- ideally suited for polishing of the interface
  - between acrylic and metal
  - mottled

Item no.	Unit
910211	1 piece



### 48 mm

- Slim brush
- for polishing of acrylics
  - white

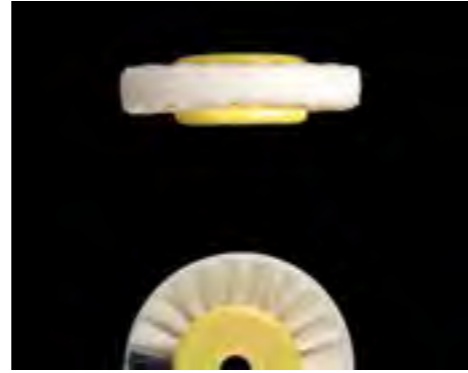
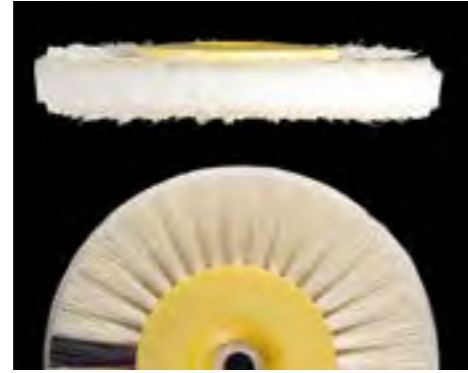
Item no.	Unit
910210	1 piece

## NETTLE CLOTH LINING



# Brushes & Buffer

## SPECIAL LINING



### 80 mm

5-ply brush

- for pre-polishing of acrylic
- chungking bristles with special tissue and special textile lining
- special lining save pumice powder for a quick polishing
- for the rational high-lustre polishing of all prostheses (PMMA) and composites
- high polishing effectiveness

Item no.	910105
Unit	1 piece

### 80 mm

3-ply brush

- for pre-polishing of acrylic
- chungking bristles with special textile lining
- special lining save pumice powder for a quick polishing
- for the rational high-lustre polishing of all prostheses (PMMA) and composites

Item no.	910104
Unit	1 piece

### 45 mm

3-ply brush

- for pre-polishing of acrylic
- chungking bristles with special textile lining
- special lining save pumice powder for a quick polishing
- for the rational high-lustre polishing of all prostheses (PMMA) and composites

Item no.	910201
Unit	1 piece

## BUFFER



### COTTON BUFFER 80 mm

Polishing buffer

- coarse cotton fibre
- for high-gloss polishing of 3D-printed objects, acrylics and alloys
- quick shine with SHERALUX 711 polishing agent
- diameter 22 mm
- $\omega$  1,400/min

Item no.	910401
Unit	6 pieces

### NETTLE CLOTH BUFFER 100 mm

cotton, 24-layers

- for high-lustre polishing of metal and acrylic

Item no.	910402
Unit	1 piece

### POLISHING NETTLE CLOTH BUFFER 100 mm

ZETA-tissue, 15-layers

- for high-lustre polishing of metal and acrylic
- high-value special tissue
- no fraying out

Item no.	910405
Unit	1 piece

### COTTON BUFFER HS 22 mm

Hand piece brush

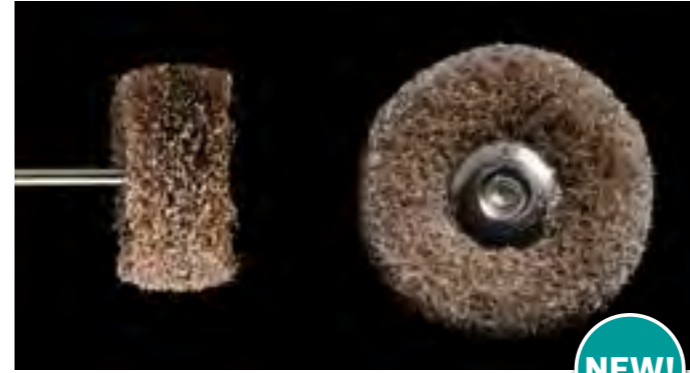
- coarse cotton fibre
- for high-gloss polishing of 3D-printed objects, acrylics and alloys
- quick shine with SHERALUX 711 polishing agent
- diameter 22 mm
- $\omega$  10,000/min

Item no.	910305
Unit	6 pieces



# Hand piece brushes

## HAND PIECE BRUSHES

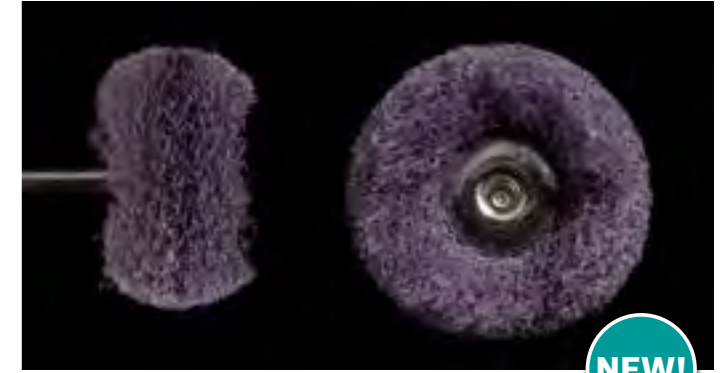


### SCOTCH BRITE HS 25 mm coarse

Hand piece brush, mounted

- coarse abrasive fleece
- ideal for removing support structures
- on 3D-printed objects
- diameter 25 mm
- $\omega$  10.000/min

Item no.	910320
Unit	6 pieces



### SCOTCH BRITE HS 25 mm fine

Hand piece brush, mounted

- fine abrasive fleece
- ideal for removing fine irregularities
- on 3D-printed objects
- diameter 25 mm
- $\omega$  10.000/min

Item no.	910319
Unit	6 pieces



### FELT BRUSH HP ORANGE 22 mm

Hand piece brush, pre-polishing

- for pre-polishing acrylic and composite
- to be used without polishing paste
- maintains the material structures
- medium-grained
- 22 x 3 mm
- $\omega$  15,000 - 7,000/min

Item no.	910318
Unit	6 pieces



### FELT BRUSH HP PINK 22 mm

Hand piece brush, high-lustre polishing

- for high-lustre polishing acrylic and composite
- to be used without polishing paste
- maintains the material structures
- fine-grained
- 22 x 3 mm
- $\omega$  15,000 - 7,000/min

Item no.	910317
Unit	6 pieces



### CHUNGKING BRISTLE HS 19 mm

Hand piece brush

- unmounted
- black
- $\omega$  110,000/min

Item no.	910306 (ø 19 mm)
Unit	12 pieces



### HORSE'S HAIR HS 19 mm

Hand piece brush

- unmounted
- mottled
- $\omega$  110,000/min

Item no.	910315 (ø 19 mm)
Unit	12 pieces



### GOAT'S HAIR HS 16 mm / 19 mm

Hand piece brush

- unmounted
- white
- $\omega$  110.000/min

Item no.	910302 (ø 16 mm)
Unit	12 pieces
	910307 (ø 19 mm)



### NETTLE CLOTH BUFFER HS 19 mm

Hand piece brush

- unmounted
- $\omega$  18,000 - 12,000/min

Item no.	910304 (ø 19 mm)
Unit	12 pieces



# Acrylics

page  
**84**

Denture  
Acrylics

page  
**86**

Orthodontic  
Acrylic

page  
**87**

Tray  
Materials



# Denture acrylics

The outstanding quality of SHERA acrylics has proven itself over many years. They are based on methyl methacrylate, are cadmium free and are very compatible.

SHERA acrylics are matched so that heat cure dentures can be completed or repaired by cold cure acrylic.



## SHERAPRESS

Cold cure acrylic

- for dough and casting technique
- for the production of partial, repair and total dentures
- low shrinkage
- malleable phase of approx. 3 minutes
- MEDICAL DEVICE OF CLASS IIA\*

Item no.	Unit
502000 (rosq 34)	1000 g
502010 (pink)	
502020 (pink opaque)	
502030 (clear)	
502040 (pink veined)	
502050 (pink transparent veined)	

## LIQUID for SHERAPRESS

Item no.	Unit
508020	500 ml
508021	1000 ml

## SHERAPRESS-FLEX

Cold cure acrylic

- for dough and casting technique
- for the production of partial, repair and total dentures
- low shrinkage
- malleable phase of approx. 20 minutes
- MEDICAL DEVICE OF CLASS IIA\*

Item no.	Unit
502060 (pink)	1000 g

## LIQUID for SHERAPRESS-FLEX

Item no.	Unit
508030	500 ml



### Smoother and more aesthetic acrylic surfaces

Applying the SILICONE SPRAY on the overbite you will achieve even smoother and more aesthetic acrylic surfaces. At the same time, this rich spray serves for the maintenance of devices – a real allrounder! You find it on page 34.



# Denture acrylics



## SHERADON

Heat cure acrylic

- for press and injection technique
- for the production of partial, repair and total dentures
- low shrinkage
- malleable phase of approx. 20 minutes
- MEDICAL DEVICE OF CLASS IIA\*

Item no.	Unit
501010 (pink)	1000 g
501020 (pink veined)	
501030 (pink transparent veined)	

## LIQUID for SHERADON

Item no.	Unit
508010	500 ml

## SHERAFINISH

Acrylic denture cleaner

- for finishing dentures
- binds any traces of residual monomer
- gives a great shine to the appliance and leaves a pleasant, fresh taste
- MEDICAL DEVICE OF CLASS I\*

Item no.	Unit
990101	75 ml

# Isolating Agent



## SHERATEC

Separating agent based on alginate

- colour: colourless
- separates stone / plaster against acrylic
- is absorbed completely by the stone / plaster
- very thin separating film
- formaldehyde and silicone free

Item no.	Unit
701066	500 ml



# Orthodontic Acrylic



## SHERAORTHOMER

Cold cure acrylic

- for dough and sprinkle technique
- for orthodontic appliances
- hardens homogeneously
- stable
- MEDICAL DEVICE OF CLASS IIA\*

Item no.	Unit
504010	1000 g

## LIQUID for SHERAORTHOMER

Item no.	Unit
508050 (clear)	500 ml



## Orthodontic Plasters

The corresponding orthodontic plasters are presented on page 23. Just rely on high quality directly from the manufacturer!



# Tray Materials

## LIGHT CURE TRAY MATERIAL

Tray material

- pre-formed sheets
- for production of individual trays
- easy to adapt
- highly dimensionally stable
- opaque: MEDICAL DEVICE OF CLASS I\*
- transparent: MEDICAL DEVICE OF CLASS IIA\*

Item no.	Unit
505081 (blue opaque)	50 sheets
505082 (blue transparent)	
505083 (pink opaque)	
505084 (pink transparent)	
505085 (natural coloured)	

## SHERATRAY

Tray material

- for the production of individual trays
- easy to mix and to process
- for base plates for bite registration
- for try-ins
- tear-resistant, highly dimensionally stable
- MEDICAL DEVICE OF CLASS I\*

Art. Nr.	Unit
505010 (blue opaque)	1000 g
505050 (white opaque)	
505060 (pink opaque)	

## LIQUID for SHERATRAY

Item no.	Unit
508080	500 ml



## SHERALÖFFEL-FLUID

Cleaning fluid for light-curing tray materials

- removes dispersion layer
- enhances the colour of the manufactured object

Item no.	Unit
702225	500 ml

\* medical devices are not available in every country. Please contact export@shera.de



# Miscellaneous

page  
**90**

Cleaning  
Agents

page  
**93**

Skin  
Care

page  
**93**

Brushes



# Cleaning Agents



## SHERASON 929

Alginate solvent, liquid, concentrated liquid

- cleans all trays, mixing bowls and tools
- does not corrode metal
- can be diluted 1:10 with water
- very economical in use

Item no.	Unit
702090	1 litre
702091	5 litres



## SHERASON 927

Denture cleaner

- removes cements, tartar, flux, tissue and blood residues.
- can be diluted 1:1 with water
- can be used with or without ultrasound
- very quick acting
- should only be used in a glass container with lid

Item no.	Unit
702070	1 litre



## SHERASONIC

Environmentally friendly ultrasonic cleaner

- biodegradable
- for laboratory, surgery, office and household
- concentrate, can be diluted 1:10 with water
- cleans all materials
- especially effective
- does not corrode metal surfaces

Item no.	Unit
702100	1 litre
702101	5 litres



## SHERASON 925

Ultra sonic cleaner

- for laboratory, surgery, office and household
- concentrate, can be diluted 1:10 with water
- cleans all materials
- especially effective
- does not corrode metal surfaces

Item no.	Unit
702050	1 litre
702051	5 litres



## SHERAWAX-EX

Concentrate for boiling out wax

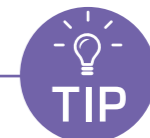
- especially developed for machines for boiling out waxes
- dissolves wax from models and devices
- very economic
- fresh citric fragrance
- biodegradable
- recommended mixing ratio 1:100

Item no.	Unit
702230	1 litre
702231	5 litres

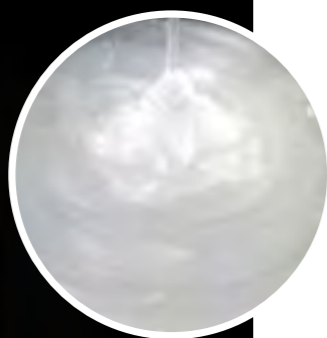


## One for all

SHERASONIC is a concentrate which can be diluted ten times with water and cleans very effectively. You can use SHERASONIC not only in the ultrasonic bath, but also, as a universal cleaning agent – everything will be brightly cleansed in a very short time!



# Cleaning Agents



### SHERACLEAN 50

- Hand washing lotion for slight dirt
- mild cleansing and moisturising washing lotion
  - with cosmetic detergent base material
  - fresh fragrance of melon
  - high quality moisturising agents provide a pleasant and soft feeling to the skin
  - free of silicones, solvents and soap
  - adjusted pH value of the skin
  - dermatologically tested

Item no.	Unit
932112	5 litres



### SHERACLEAN 100

- Cream hand wash
- neutral fragrance
  - colour: vanilla
  - mild and nurturing
  - moisturising
  - phosphate and formaldehyde-free
  - pH-neutral
  - biodegradable
  - free of microplastics

Item no.	Unit
932202	10 litres



### SHERACLEAN 150

- Cream hand wash for very dirty hands
- with natural scrubbing agents
  - free of microplastics
  - free of silicones, solvents and soap
  - adjusted pH value of the skin, unperfumed

Item no.	Unit
932301	2,5 litres
932302	5 litres

**PUMP** for 2.5 litres bottle SHERACLEAN 150

Item no.	Unit
992103	1 piece

### SHERACARE

- High-quality and rich skin care cream
- especially skin calming
  - high lipid replenishing and moisturising effect
  - containing high value care complex
  - long-lasting effect
  - quickly absorbed
  - for all skin types
  - dermatologically tested

Item no.	Unit
932410	50 ml airless dispenser

### PROTECTODERM

- Hand protection cream
- with aloe vera, jojoba oil and shea butter
  - without silicones
  - protects against acids, lyes, disinfectants, methacrylics, stones / plasters, ceramics, various solvents and adhesives
  - frost-sensitive

Item no.	Unit
932402	1000 ml incl. pump



### RED SABLE BRUSHES

- Brushes for ceramic layering
- from fine, genuine red sable hair
  - with a seamless silver ferrule

Item no.	Unit
946201 (size 1)	1 piece
946202 (size 2)	
946203 (size 3)	
946204 (size 4)	
946205 (size 5)	
946206 (size 6)	
946208 (size 8)	
946210 (size 10)	



### OPAKER BRUSH

Kolinsky flat brush

Item no.	Unit
946302 (size 2)	1 piece





## SHERAdigital

Everyone is talking about CAD/CAM. We have placed a special focus on the rapid advance of 3D printing. Additive processes in combination with clever ideas and strategies - that is the heart of our SHERAdigital series. We do not limit ourselves to the introduction of excellent printer technology in your laboratory. We keep an eye on post-processing.

We also develop software solutions such as our model builder SHERAeasy-model. The standardized processes and an intuitive user interface, SHERAeasy-model makes it quick and easy to create optimal print data sets. Our add-ons "One Click", xSNAP or KFO (orthodontics) are making SHERAeasy-model to the game changer in your digital work preparation. With SHERAeasy-base, the standalone software for 3D printing of individual trays up to bite registrations, or the data set for SHERAprint-plate, we are offering helpful tools for your digital workflow.





# Printing

page  
**99**

3D printers

page  
**108**

Post -  
processing

page  
**110**

Software

page  
**114**

print-it

page  
**117**

Printing  
materials

page  
**124**

Accessories

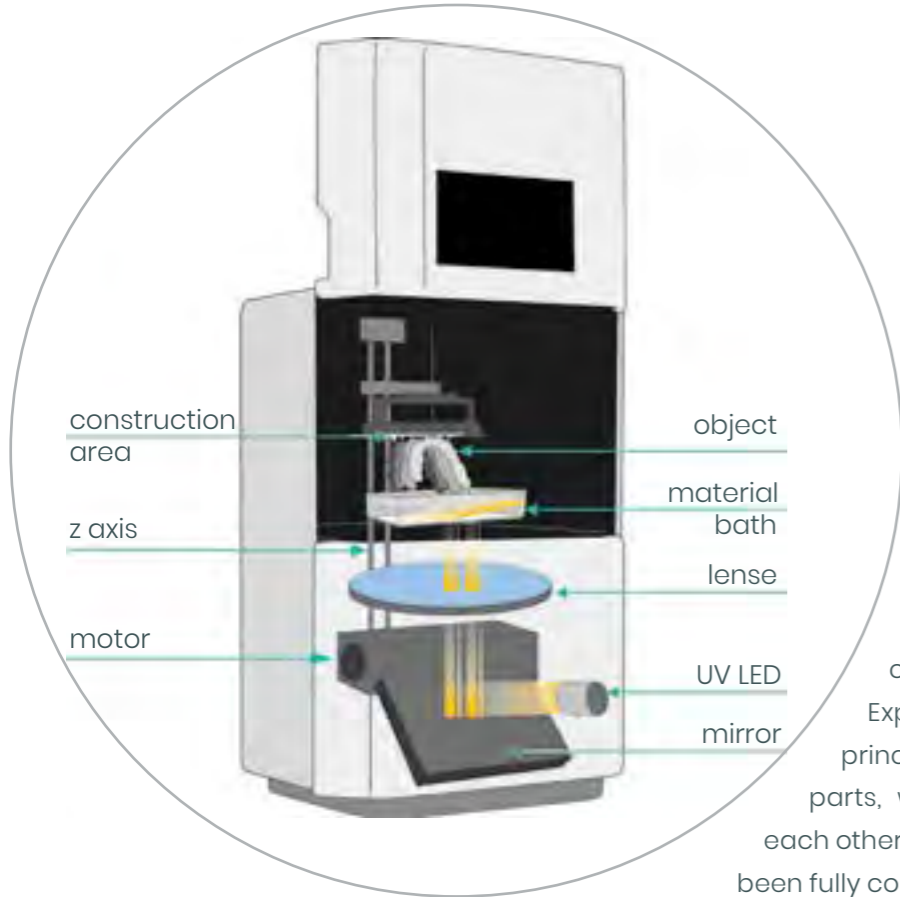


## SHERAprint- the right model for everyone

With SHERAprint you have a coordinated and sophisticated system which offers a maximum of precision as well as process reliability. It is very fast and technically perfected for dentistry. 3D printers from SHERA are available in three versions - from the entry-level model to the industrial version. These are based on Rapid Shape equipment technology, a Swabian machine manufacturer bringing a world of experience in additive manufacturing, with whom we combined both profound knowledge and our decades of experience in dental technology.

A lot of SHERA know-how, especially in the field of material competence, is implemented into the SHERAprint system. This allows users to print precise and reliable results from day one, as print parameters are already pre-set. This process reliability is a must have, especially when processing medical devices.





What is the secret? Impressive technology with a smart light concept

Inside the printers of the SHERAprint series, a multitude of tiny mirrors guide the LED light to the areas of the construction platform that are to be cured. Exposure according to the 'black-white' principle causes the resin to cure at the desired parts, whereby the polymers quickly bond to each other, layer by layer, until the printed object has been fully constructed.

The SHERAprint software also calculates the areas between the individual print layers and adjusts the transitions accordingly. As a result, perfect transitions between individual layers, optimised surfaces and precise results are ensured.

Force Feedback Technology for precision

The core of the SHERAprint range is the patented Force Feedback Technology, allowing the printer to consistently operate at maximum speed and with highest possible form stability. The SHERAprint operates on solid and thin print areas with differing peel strength. For each layer that is to be polymerised, the printer's software calculates the tensile force that is needed to control the construction platform.

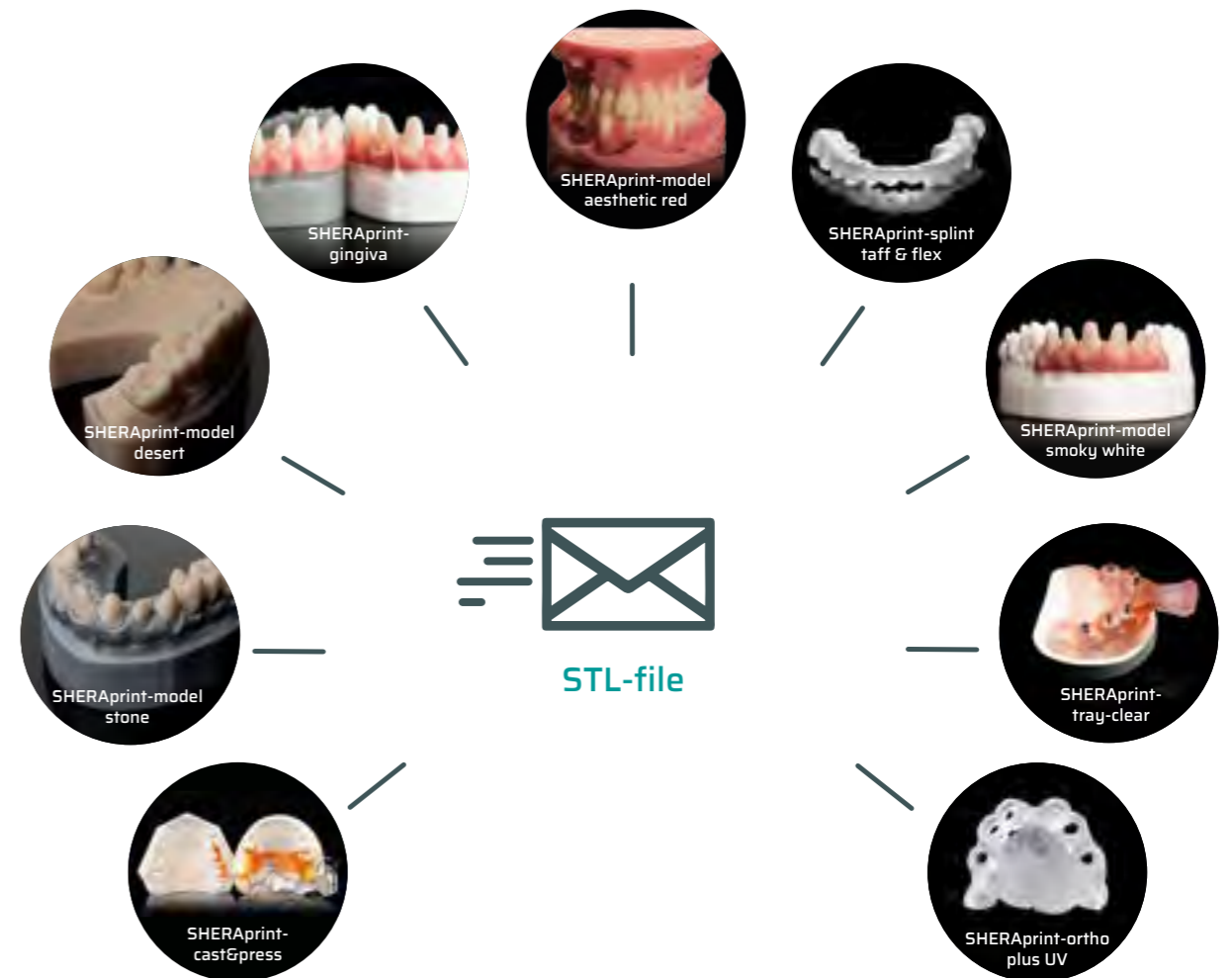
If the cross-section of the surface to be exposed is rather small, less pulling force is applied. If the cross-section is larger, more pulling force is required. Thanks to the Force Feedback Technology, the detachment of the printing object from the bath is recognized. The printer immediately controls the next layer. Other printers without Force Feedback Technology work much slower.



Integrate the SHERAprint into your digital workflow - print precision!

Just send a stl dataset to your SHERAprint printer. The SHERAprint software slices the dental work into individual, ultra-thin layers, and generates the print job. You can accept open STL files from any system you like, irrespective of the application or method you have used to scan or design your work. Please note: Whatever you

print, the objects must have labial, occlusal or basal positioning on the supports. The printing parameters are optimally adjusted to each material - for highest precision of the printing results.





## SHERAprint 20 pro

3D printer

- DLP process
- patented Force Feedback Technology (optional)
- RFID material recognition
- can be integrated into open digital workflow
- processing of STL files
- certified auto calibration system
- NetFabb software and SHERA material library\* included
- fast amortisation
- Made in Germany

### Technical data

Installation space:	133 x 75 x 115 mm
Resolution:	HD 1920 x 1080 pixels, Full HD
Native pixel:	± 34 µm
Wavelength:	385 nm
Light source:	UV-LED projector
Dimensions:	335 x 541 x 349 mm (W x H x D)
Connection:	WIFI, TCP/IP, USB
Operatin:	7" touch screen
Item no.:	SD104032





## SHERAprint 30

3D printer

- DLP process
- patented Force Feedback technology
- RFID material recognition
- automatic separation module (ASM)
- heated material tray
- can be integrated into open digital workflow
- processing of STL files
- certified auto-calibration system
- NetFabb software and SHERA material library\* included
- fast amortisation
- Made in Germany

### Technical data

Installation space:	133 x 75 x 155 mm (with ASM 70 mm)
Resolution:	HD 1920 x 1080 pixels, Full HD
Native pixel:	± 34 µm
Wavelength:	385 nm
Light source:	UV-LED projector
Dimensions:	480 x 690 x 410 mm (W x H x D)
Connection:	WLAN, Ethernet, USB
Operatin:	10" touch screen
Item no.:	SD104013



## SHERAprint 50

3D printer

- DLP process
- for series production
- patented Force Feedback technology
- RFID material recognition
- automatic separation of printed objects (ASM - automatic separation module)
- can be integrated into open digital workflow
- automatic material refill
- certified auto-calibration system
- heated pressure chamber up to 35°C
- incl. NetFabb software and SHERA material library\*
- fast amortisation
- Made in Germany

### Technical data

Installation space:	231 x 130 x 300 mm (with ASM 100 mm)
Resolution:	3840 x 2160 pixels, 4 K
Native pixel:	± 30 µm
Wavelength:	385 nm
Light source:	4 K projector
Dimensions:	600 x 1660 x 570 mm (W x H x D)
Connections:	WLAN, Ethernet, USB
Operation:	10" touch screen
Item no.	SD104030

\* Further libraries are provided on request





auto-  
mated!



## SHERAprint-cure pro

Light-curing unit

- automated curing in 6 - 10 minutes
- perfectly adapted to material and indication
- with vacuum function (no protective gas required)
- validated workflow
- homogeneous 360° curing at the push of a button
- UV-A and UV-B
- touch display control
- process documentation

### Technical data

Volume curing chamber (l x w x h): 179 x 117 x 102 mm

External dimensions (l x w x h): 419 x 243 x 269 mm

Media: WLAN / LAN

Item no.: SD104602

## SHERAprint-wash pro

Cleaning and drying unit

- cleaning in 6 - 8 minutes at the touch of a button
- clean handling of printing resin residues
- no odour formation
- simple and certified workflow
- saves cleaning fluid
- touch display control

### Technical data

Volume cleaning chamber (l x w x h): 119 x 160 x 99 mm

External dimensions (l x w x h): 452 x 334 x 289 mm (with bottle holder)

452 x 342 x 295 mm (with bottle holder and cover)

Media: WLAN / LAN

Item no.: SD104701



## SHERAprint-cone

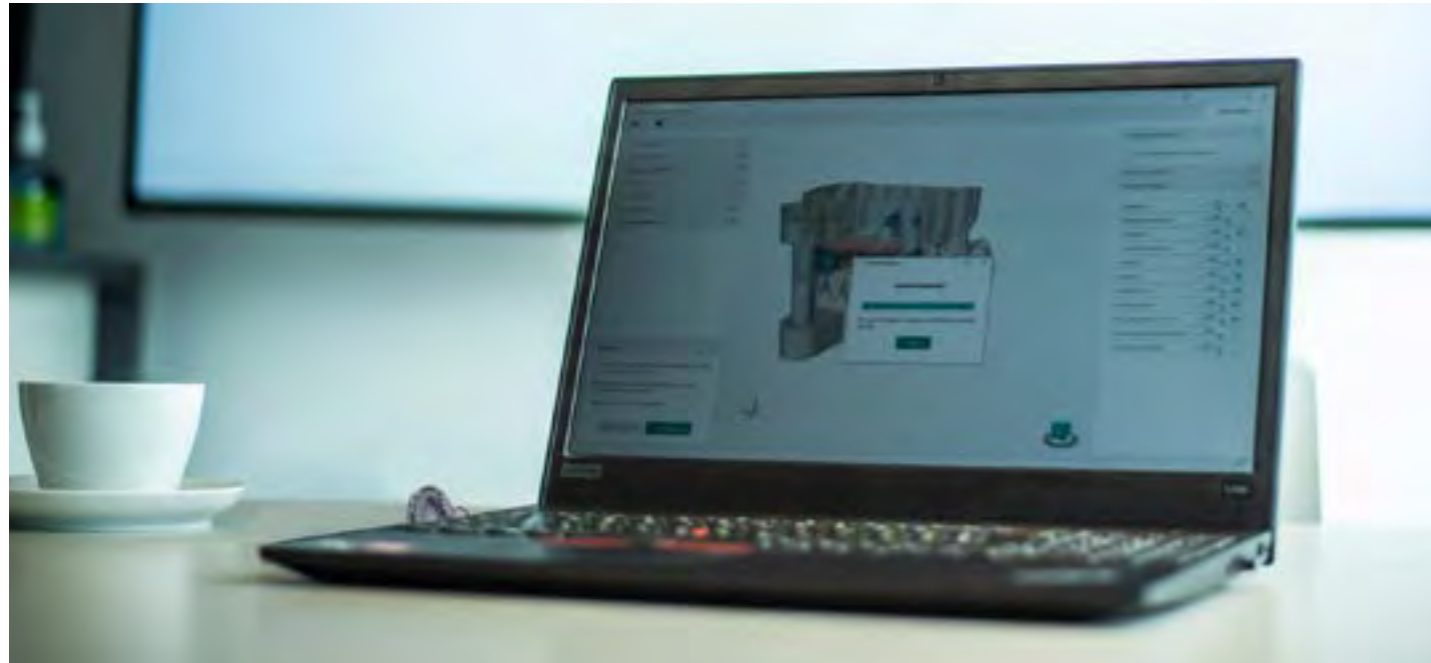
Digital die shape

- digital version of the die in the alveolar model
- can be easily removed and precisely repositioned
- conical die shape
- with pelvic axis as rotation protection
- perfect fit in the alveola
- with vestibular control window in order to check the fit of the die
- further information regarding SHERAeasy-model can be found on [www.shera.de](http://www.shera.de) or on the following pages

patented







## SHERAeasy-model

CAD software for dental technology

Game changer for the digital plastering room:

- simple and intuitive to operate
- step-by-step through the workflow
- undo function and check for reasonableness
- automated processes
- saves a lot of time - for more efficient work

Fast CAD software for designing models:

- available in three versions
- optimally applied prep boundaries
- stump detection at a click
- patented die geometry SHERAprint Cone included
- extensive implant library
- model data can be exported / saved locally\*
- expandable with additional parameters and model materials\*



Art. Nr.:

- SDI08520 SHERAeasy-model full - Software and right of use
- SDI08541 Add-on One-Click - for SHERAeasy-model full
- SDI08542 Add-on Orthodontic base - for SHERAeasy-model full
- SDI08540 Add-on xSnap for SHERAeasy-model full

Tutorials:

Guido Sieker from the SHERAdigital team will guide you through our new CAD software SHERAeasy-model in an understandable and detailed way. Once from front to back in one piece or in short and crisp "tidbits" on the individual work steps - just as you like.

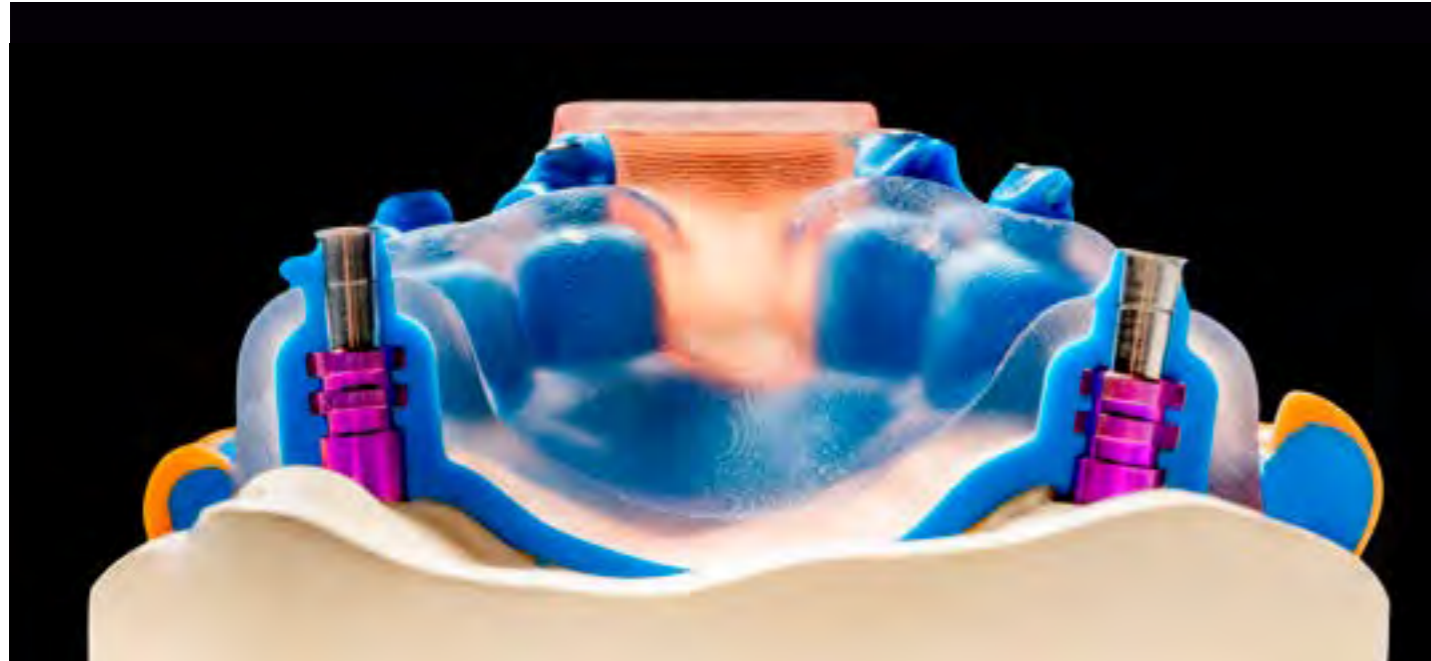
Click or scan here for the tutorials



System requirements:

- WINDOWS 64 BIT Processor
- DirectX 11 supported
- min. 8 GB RAM





## SHERAeasy-base

SHERAeasy-base

Stand-alone software for 3D printing custom trays up to bite registrations open for the import of scan files (STL, PLY and OBJ) powered by Jürgen Wahlmann

Trays:

- synchronised to properties of the impression material (e.g. flow properties and hardness) as well as to the impression technique
- material library with 11 different possible combinations, continuously being developed
- parameters of the most common processes like monophasic, double mix and correction impressions are stored
- additional brim is automatically created
- for trays giving optimised compression and even layer of the impression material
- economic as it reduces impression material
- process reliability already whilst taking the impression
- facilitates the preparation of custom tray handles, e.g. with customer logo
- custom tray handles with integrated application of several face bow systems also available



For occlusal dimensions

- quickly and individually created – automatically positioned to the occlusion level
- occlusion level: given distance to the vestibula fold, scroll-able and tilt-able
- occlusal level can be defined via spline (dotted line)
- adjustable occlusion level and retentions for wax

For incisal pin records as an additional add-on

- STL datasets for all required components for creation of an incisal pin record
- determination of the jaw relation with completely in 3D printing produced records
- designed for all indications of fully or partially toothed up to the toothless jaw
- STL set consists of support pin with thread, counter nut, centering plates and a rotary tool, additional import data for registration plate and screw box
- design quickly and individually – automatically aligned at the occlusion level
- for precise and reliable incisal pin records

Item no.:

SDI08400

SHERAeasy-base, Stand-alone software





# Print-it @shera!

## We print for you.

We see ourselves as a service partner for your laboratory. Our first concern is to support you in a way that suits you and to your desire. We print with the highest quality on one of the currently most precise and quickest DLP printers available.

Just send us the final design, of the job to be printed, as an open stl file. All design parameters can be found in the download area on [www.shera.de](http://www.shera.de). We willingly can also take care of the design for you on the basis of your scan data based on a lump sum. Kindly state your customer number and laboratory name. We will check your data and create the printing job. In case we see a need for optimisation regarding the design, we will definitely confer with you. On request, we can print the suitable gingiva and imprint your ID tag. With SHERAprint you have a coordinated and sophisticated system that offers the highest degree of precision and process reliability.



Send stl files to [export@shera.de](mailto:export@shera.de) via [wetransfer.com](http://wetransfer.com)



Check files and/or design



Process printing job



Quality control and dispatch



### Implant model

Models available in colours desert, stone, aesthetic red, smoky white



Model quadrant incl. 1 implant hole



Model quadrant (opposing jaw)



Full arch incl. 1 implant hole



Full arch (opposing jaw)



Additional implant hole



Gingiva mask, Quantity per unit



two-colour printing model/stone (per patient case)

### Die model

Models available in colours desert, stone, aesthetic red, smoky white



Model quadrant incl. 1 preparation



Model quadrant (opposing jaw)



Full arch incl. 1 preparation



Full arch (opposing jaw)



Additional removable die



Gingiva mask, Quantity per unit



two-colour printing model/stone (per patient case)

### Further print offers



Orthodontic model with base



SHERAprint-plate (additionally to the model per jaw)



Surgical guide (without sleeves)



Individual tray / bite registration



Splint



Gothic arch/support pin registration



ID-tag



Construction/design service from 5 elements per jaw



Control model complete jaw (e.g. for telescopic works)



Control model quadrant (e.g. for telescopic works)



## SHERAprint materials

All SHERAprint materials are high-quality, light-curing resins specially designed for 3D printing in digital light processing (DLP). Our materials are carefully manufactured and tested. We have determined the optimum printing parameters for each material and adjusted them to 3D printing with SHERAprint. This means that we provide you with process reliability to match the material and the opportunity to get started straight away without having to go through the tedious process of determining your own parameters. For precise and reliable results right from the start.





### SHERAprint-model stone

Light-curing 3D printing resin

- for the production of high-precision die models, implant models, models for the aligner technique veneer and inlay models and mock-up/wax-up models.
- sharp textures
- clear contrasts
- scannable surface

#### Technical data

Colour:	stone
Layer strength:	50 µm and 100 µm
Wavelength:	385 nm and 405 nm
Content:	1000 g
Item no.:	SD400400



### SHERAprint-model desert

Light-curing 3D printing resin

- for the production of high-precision die models, implant models, models for the aligner technique veneer and inlay models and mock-up/wax-up models.
- sharp textures
- clear contrasts
- scannable surface

#### Technical data

Colour:	desert
Layer strength:	50 µm and 100 µm
Wavelength:	385 nm
Content:	1000 g
Item no.:	SD400410



### SHERAprint-model aesthetic red

Light-curing 3D printing resin

- for the fabrication of high-precision veneer and inlay models inlay models, die models, implant models, models for the combination technique, presentation and course models
- in combination with SHERAprint-model desert for the aesthetic reproduction of the oral situation
- scannable surface

#### Technical data

Colour:	aesthetic red
Layer strength:	50 µm
Wavelength:	385 nm
Content:	1000 g
Item no.:	SD400420



### SHERAprint-tray clear

Light-curing 3D printing resin

- for the production of customised impression trays, bite registrations, transfer keys, incisal pin records
- can be used for all types of trays in combination with various impression materials
- biocompatible
- MEDICAL DEVICE OF CLASS I\*

#### Technical data

Colour:	clear pink
Layer strength:	150 µm
Wavelength:	385 nm
Content:	1000 g
Item no.:	SD400140

### SHERAprint-model smoky white

Light-curing 3D printing resin

- for the production of high-precision die models, implant models, models for the aligner technique veneer and inlay models and mock-up/wax-up models
- sharp textures
- for highly aesthetic work
- very good readability
- scannable surface

#### Technical data

Colour:	smoky white
Layer strength:	50 µm and 100 µm
Wavelength:	385 nm
Content:	1000 g
Item no.:	SD400390



\* medical devices are not available in every country. Please contact export@shera.de



### SHERAprint-gingiva

Light-curing 3D printing resin

- for the production of gingiva masks
- for aesthetically appealing works
- easy to grind
- material that stays soft

#### Technical data

Colour:	pink
Layer strength:	100 µm
Wavelength:	385 nm and 405 nm
Content:	500 g
Item no.:	SD400101



### SHERAprint-cast&press

Light-curing 3D printing resin, residue free burnout

- for the high-precision production of denture frameworks or other delicate work
- for shock heating or conventional heating process
- for veneers, inlays or onlays made of pressable ceramics
- we recommend: casting with [SHERAVEST RP](#) pressing with [SHERAUNDER-PRESSURE](#)

#### Technical data

Colour:	orange
Layer strength:	50 µm
Wavelength:	385 nm and 405 nm
Content:	1000 g
Item no.:	SD400095



### SHERAprint-splint

Light-curing 3D printing resin

- for splints, repositioners, mouth- & nightguards
- high, tension-free wearing comfort, easy insertion and removal
- extreme impact strength, flexible and fracture-resistant
- easy to polish
- MMA-, THF-MA- and TPO-free, odour- and tasteless
- available in two levels of flexibility: taff & flex
- CERTIFIED AS MEDICAL DEVICE CLASS IIA\*

#### Technical data

Colour:	clear
Layer strength:	100 µm
Wavelength:	385 nm
Content:	1000 g
Item no.:	SD400350
	<a href="#">SHERAprint-splint taff</a>
	SD400351
	<a href="#">SHERAprint-splint flex</a>



\* medical devices are not available in every country. Please contact [export@shera.de](mailto:export@shera.de)



## SHERAprint-ortho plus UV

Light-curing 3D printing resin

- for the production of base parts for orthodontic appliances, surgical guides and X-ray templates
- validated for autoclave sterilization according to EN ISO 17664
- very high mechanical stability
- MMA-free, tasteless
- CERTIFIED AS MEDICAL DEVICE CLASS IIA\*

### Technical data

Colour:	clear
Layer strength:	50 µm and 100 µm
Wavelength	385 nm
Content:	1000 g
Item no.:	SD400345

**NEW!**



## SHERAprint-set p1

Polishing set for 3D printing resin 1 Set

- high-gloss polishing in just a few steps
- contains various brushes and polishing paste for support removal and surface treatment up to high gloss
- for smooth, glossy surfaces in the shortest possible time
- all items can be reordered individually

Content: 6 pieces SCOTCH BRITE HS 25 mm coarse, brown  
 6 pieces SCOTCH BRITE HS 25 mm fine, violet  
 1 piece COTTON BUFFER 80 mm  
 6 pieces COTTON BUFFER HS 22 mm  
 100 g SHERALUX 711

Item no.: SD401030

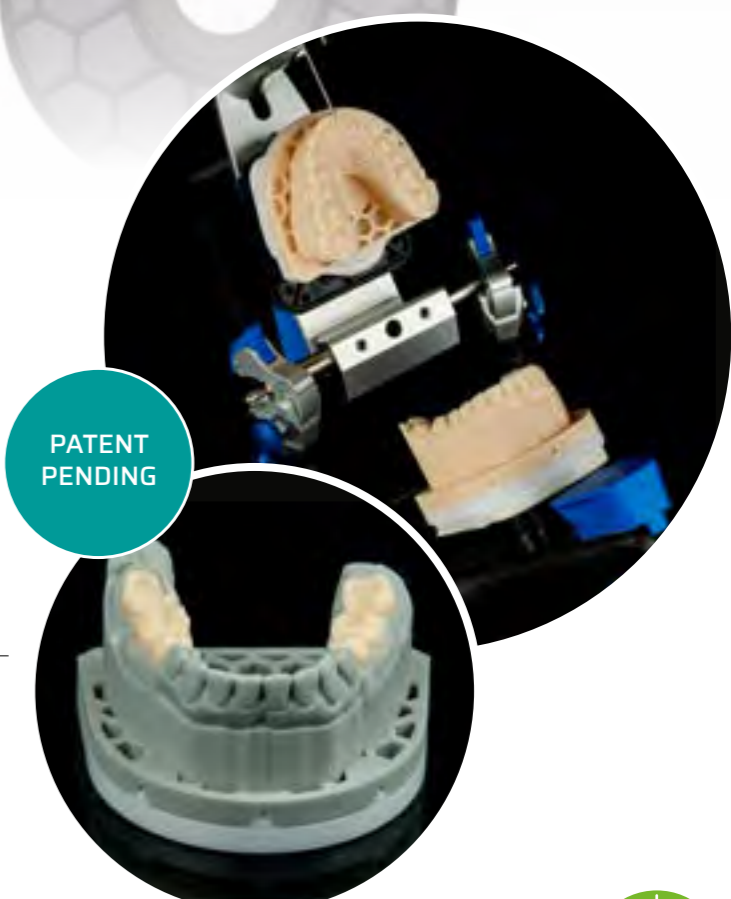


## SHERAprint-plate

Articulation aid set for printed models

- articulate and remove models easily and exactly
- precise placing of the model in its original position every time
- stable hold and easy handling
- fits to every articulator
- set consists of data set for direct pressure of the base plate to the model, base plate, magnet, magnetic cup, adhesive disc and screw

Item no.	Product	Unit
SD401091	SHERAprint-plate complete set	1 piece
SD401090	Articulating plates	10 pieces
SD401093	Neodym magnet, 14 x 3 mm	10 pieces
SD401094	Cup for magnet, flat 25 x 4,80 mm	10 pieces
SD401096	Adhesive discs	10 pieces
SD401097	M3 Counter head screws	10 pieces
SD401098	File in .stl formate	1 piece



**TIP**

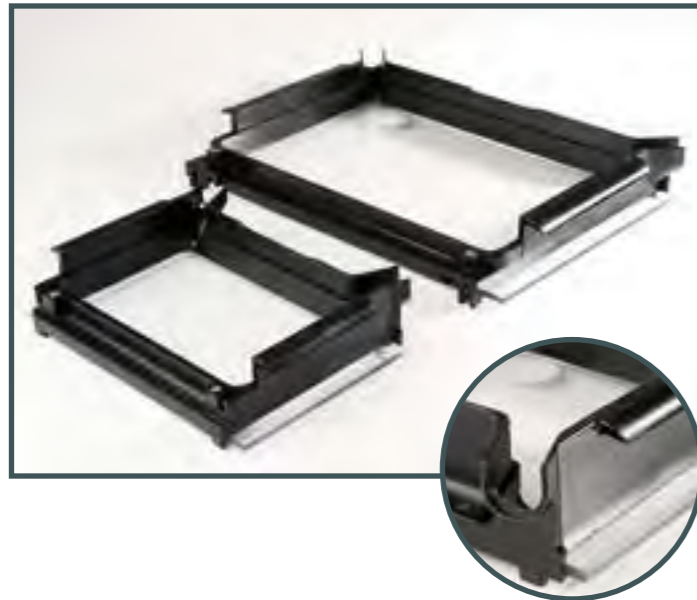
Customise your printing results with your own logo! Item no. SD401099



## Accessories

We recommend using an individual material bath including lid for each printing material. This facilitates the handling and the quick change of the materials. Please

note that the material bath and the lid for the 3D printer SHERAprint 20 is different in size so that the lid does not fit on the larger bath.

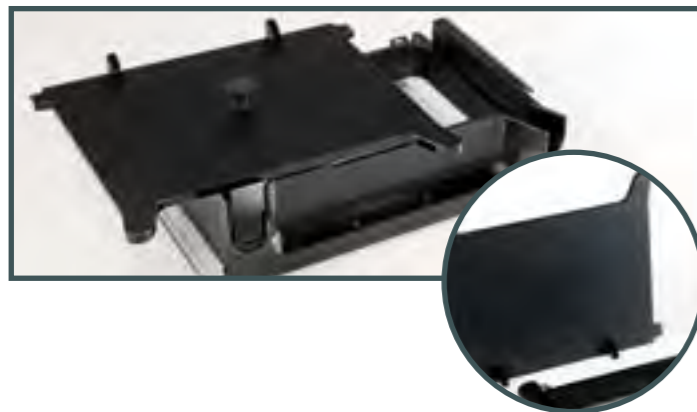


### SHERAbath material tray

for SHERAprint 20  
Item no.: SD109812

for SHERAprint 30/40  
Item no.: SD109813

for SHERAprint 50  
Item no.: SD109815



### Lid for material tray

for SHERAprint 20  
Item no.: SD109822

for SHERAprint 30/40  
Item no.: SD109823

for SHERAprint 50  
Item no.: SD109825

### SHERAscanspray

for optimal scan of the models

- for extraoral CAD/CAM application
- very fine atomised spray
- micro fine powder
- prevents the reflection of surfaces
- colour: white
- 200 ml spray can
- item no.: SD802000

Titanium dioxide free



## Accessories



### SHERAultra-p

Ultrasonic cleaner for 3D-printed resin objects

- for effective cleaning of 3D-printed works
- removes residual material before curing
- suitable for use in SHERAprint-wash
- RFID chip is used to monitor the cleaning process, automatic detection of the degree of saturation
- available in 800 ml bottles
- item no.: SD401000



### SHERAclear-p

Special cleaner for SHERAprint material baths

- especially for the Teflon-coated material baths of the SHERAprint 3D printers
- for streak-free surfaces and flawless printing
- available in 500 ml bottles
- item no. SD401001



### SHERAiso-3d

Isolating agent for 3D printed resins

- clearly visible isolating area
- apply only once
- saves time and material
- also adheres to wax
- protects model from occlusal colour
- is water soluble and washable
- available in 100 g bottles
- item no. SD401010



### HAMA Lenspen

Cleaning pen for objects

- removes fine dust particles or fingerprints
- particularly long lasting
- item no. SD109737



# SHERAtools

## Radius milling tools

- for the best results from coarse grinding, sizing up to fine-tuning
- semi-circular rounded tool tip
- diameter of 2.0 to 0.3 mm
- large free grinding
- 0.3 mm are the best choice for fissures



## Single edged cutters for wax and resins

- single faceted cutting edge
- diameter of 2.5 to 1.0 mm
- flute for perfect transportation of lubricating material chippings
- very smooth surface at high feed rates thanks to the extremely sharp edge



## Flat milling tools / torus milling tools

- for penetrative drilling and abutments
- double-edged milling tools with flat end section
- diameter of 1.2 to 0.5 mm
- designed as a torus miller for non-precious metals
- available with diamond coating for milling zirconium (fivefold service life)



## Grinding points for glass ceramics

- grinding pin with diamond coating in different versions
- coarse-grained torus abrasive pin for coarse milling
- fine-grained torus abrasive pin the preparation of abutment geometries
- fine-grained radius grinder for finishing
- to avoid micro cracks, wear or breakage
- reduced thermal load
- increased durability of the tools



## Application Areas



Coloured rings indicate the application areas of the milling tools.

zirconia	zirconia	composite	wax and acrylic	non-precious alloys	glass ceramic	universal
light blue	dark blue (diamond-coated)	yellow	silver	red	black	black



# SHERAmill

## Index of milling tools

	Ø	length	5x/5x-change VHF 51/52	dry/+ VHF K5/K5+	wet/+ VHF N4/N4+	Item no.
for zirconium oxide with special coating						
SHERAtool ZR1-40, radius milling tool	1.0	40	x	x		SD800034
SHERAtool ZR2-40, radius milling tool	2.0	40	x	x		SD800035
SHERAtool ZR1-35, radius milling tool	1.0	35				SD800004
SHERAtool ZR2-35, radius milling tool	2.0	35				SD800005
for zirconium with diamond coating						
SHERAtool ZRD06-40, radius milling tool	0.6	40	x	x		SD800132
SHERAtool ZRD1-40, radius milling tool	1.0	40	x	x		SD800134
SHERAtool ZRD2-40, radius milling tool	2.0	40	x	x		SD800135
SHERAtool F-ZRD12-40, flat milling tool	1.2	40	x	x		SD800137
for composites with special coating						
SHERAtool CF1-40, radius milling tool	1.0	40	x	x		SD800044
SHERAtool CF2-40, radius milling tool	2.0	40	x	x		SD800045
SHERAtool CF1-35, radius milling tool	1.0	35				SD800014
SHERAtool CF2-35, radius milling tool	2.0	35				SD800015
for wax and acrylics						
SHERAtool WPI-40, radius milling tool	1.0	40	x	x		SD800054
SHERAtool WP2-40, radius milling tool	2.0	40	x	x		SD800055
SHERAtool WPI-35, radius milling tool	1.0	35				SD800024
SHERAtool WP2-35, radius milling tool	2.0	35				SD800025
single edged for wax and acrylics						
SHERAtool WPS1-40, radius milling tool	1.0	40	x	x		SD800094
SHERAtool WPS2-40, radius milling tool	2.0	40	x	x		SD800095
SHERAtool F-WPS25-40, flat milling tool	2.5	40	x	x		SD800098
SHERAtool WPS1-35, radius milling tool	1.0	35			x	SD800084
SHERAtool WPS2-35, radius milling tool	2.0	35			x	SD800085
SHERAtool F-WPS25-35, flat milling tool	2.5	35			x	SD800088
for non-precious alloys						
SHERAtool EMF06-35, radius milling tool	0.6	35	x	x		SD800072
SHERAtool EMF1-35, radius milling tool	1.0	35	x	x		SD800074
SHERAtool EMF06-32, radius milling tool	1.2	35	x	x		SD800077
SHERAtool EMF1-32, radius milling tool	0.6	32			x	SD800062
SHERAtool EMF2-32, radius milling tool	1.0	32			x	SD800064
SHERAtool F-EMF12-32, Torusfräser	1.2	32			x	SD800067
for glass ceramic						
SHERAtool GK06-35, radius grinding point	0.6	35	x		x	SD800302
SHERAtool GK1-35, radius grinding point	1.0	35	x		x	SD800304
SHERAtool GK24-35, radius grinding point	2.4	35	x		x	SD800306
SHERAtool F-GK06-35, torus grinding point	0.6	35	x		x	SD800312
SHERAtool F-GK12-35, torus grinding point	1.2	35	x		x	SD800317
universal						
SHERAtool U03-40, radius milling tool	0.3	40	x	x		SD800110
SHERAtool F-U05-40, flat milling tool	0.5	40	x	x		SD800111
SHERAtool U06-40, radius milling tool	0.6	40	x	x		SD800112
SHERAtool F-U12-40, flat milling tool	1.2	40	x	x		SD800117
SHERAtool U03-35, radius milling tool	0.3	35			x	SD800100
SHERAtool F-U05-35, flat milling tool	0.5	35			x	SD800101
SHERAtool U06-35, radius milling tool	0.6	35			x	SD800102
SHERAtool F-U12-35, flat milling tool	1.2	35			x	SD800107



# Merchandise

page  
**136**

Garment

page  
**138**

Accessories



## SHERA MERCHANDISE

For SHERA fans and anyone who wants to become one: SHERA offers a wide range of high-quality merchandise items. Stylish T-shirts and hoodies, useful accessories such as shopping baskets, daypacks or key rings - we have something to suit every taste.





Merch



Merch

## HOODIE HEAVY-METAL

Hoodie Sweatshirt SHERAHEAVY-METAL

- front print logo: motive SHERAHEAVY-METAL
- lined hood with drawstring
- sizes S to XXL
- 60 % cotton / 40 % polyester, black
- elasticated waist and cuffs
- with kangaroo pocket
- Item no.: 994313 size S  
994314 size M  
994315 size L  
994316 size XL  
994317 size XXL



## T-Shirt HEAVY-METAL

Motive SHERAHEAVY-METAL

- 100 % cotton, black
- regular cut
- individually packed
- Item no.: 994114 size M  
994115 size L  
994116 size XL



## T-Shirt HARD-ROCK

Motive SHERAHARD-ROCK

- 100 % cotton, black
- regular cut
- individually packed
- Item no.: 994103 size S  
994104 size M  
994105 size L  
994106 size XL  
994107 size XXL





Merch



### KEYCHAIN

Pendant dental model in mini format

- Key ring made of wire rope with screw cap
- Item no.: 994420 [SHERA](#)print-model desert
- 994421 [SHERA](#)print-model stone
- 994422 [SHERA](#)print-model smoky white



### SHERAHARD-ROCK Shopper

Shopping basket SHERAHARD-ROCK made of polyester

- with aluminium frame and front pocket with zip fastener, foldable size approx. w 45 x h 25/45 x d 25 cm
- Item no.: 994601



### Presentation model

Different sizes

- Item no.: 994404 Print Aesthetic XS
- 994405 Print Aesthetic M
- 994406 Print Aesthetic XXL



Merch

### SHERAHEAVY-METAL Cult bag

- PVC-free drawstring bag
- with side zip pocket
- dimensions approx. w 36 x h 45 cm
- item no.: 994602



# SHERA Werkstoff-Technologie GmbH



Espohlstraße 53 · 49448 Lemförde  
Germany



+ 49 (0) 54 43 - 99 33 - 0



+ 49 (0) 54 43 - 99 33 - 100



info@shera.de



www.shera.de