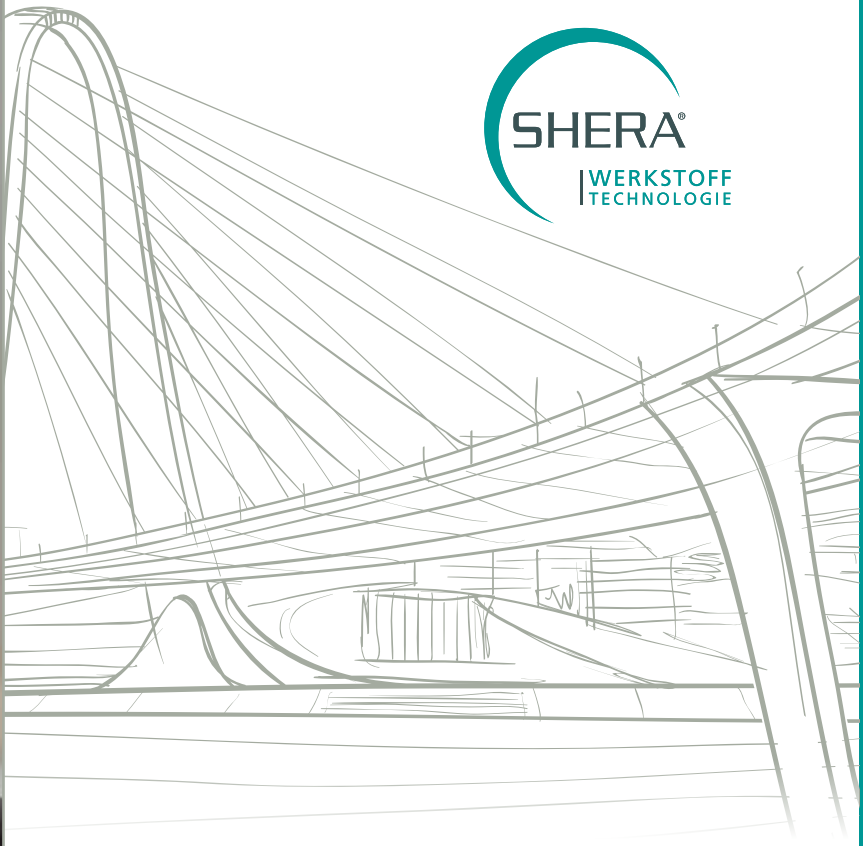




Dental Range  
2012 / 2013





## The bridge

Traditional handcraft and modern technologies – we at SHERA build a bridge between both fields: from the conventional model up to the modern CAD/CAM technique. SHERA is open to new technologies and at the same time associated with the traditional handcraft of dentistry. You as our customers can trust in SHERA – in every step of development. Our bridge is built on a solid foundation of experiences in dentistry gained over decades. SHERA's pillars are the qualified and committed employees who are always pleased to assist you at any time.

Yours,

Jens Grill

Director

## Bridge builder

People like this exist at SHERA. Our team in SHERA's dental laboratory is always pleased to help you by telephone or according to prior agreement even on site: for any kind of delicate technical questions, trainings or for helpful tips and tricks in dentistry. The colleagues embody the bridge, they combine dental technicians know how with perfect materials knowledge, they are the bridge between theory and practice.



**Martin Becker**  
Master Dental Technician  
Chief of application technique  
Instructor SHERAdigital



**Guido Sieker**  
Graduate Engineer Dental  
Technology (FH)  
Instructor SHERAdigital



**Ralf Oppacher**  
Master Dental Technician  
Laboratory owner in Minden, Germany  
External instructor SHERAdigital

## Home-made is appreciated

We are a manufacturer ourselves, so we know where we stand. For example, day by day we produce 12 tons of stones and plasters on our own production plants in Lemfoerde. In order to achieve perfect results we check the incoming goods as well as the final product after completion. And only as soon as the critical colleagues of the quality assurance team and our dental testing laboratory are absolutely convinced, the production team is allowed to start the packaging. That way we can be sure to deliver the best quality without having to trust in others. A good feeling!



## SHERA online

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It is worth it to click. On [www.shera.de](http://www.shera.de) you will find any news regarding SHERA: latest documents like instructions for use, safety data sheets or certificates.



## SHERA movie

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You want to see moving images? On [www.shera.de](http://www.shera.de) and [www.youtube.com](http://www.youtube.com) you find illustratively presented processing advices. And it's so easy to imitate.



## SHERA partners worldwide

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# SHERA: We build a bridge

between traditional  
handcraft and modern  
technology

## Preparation

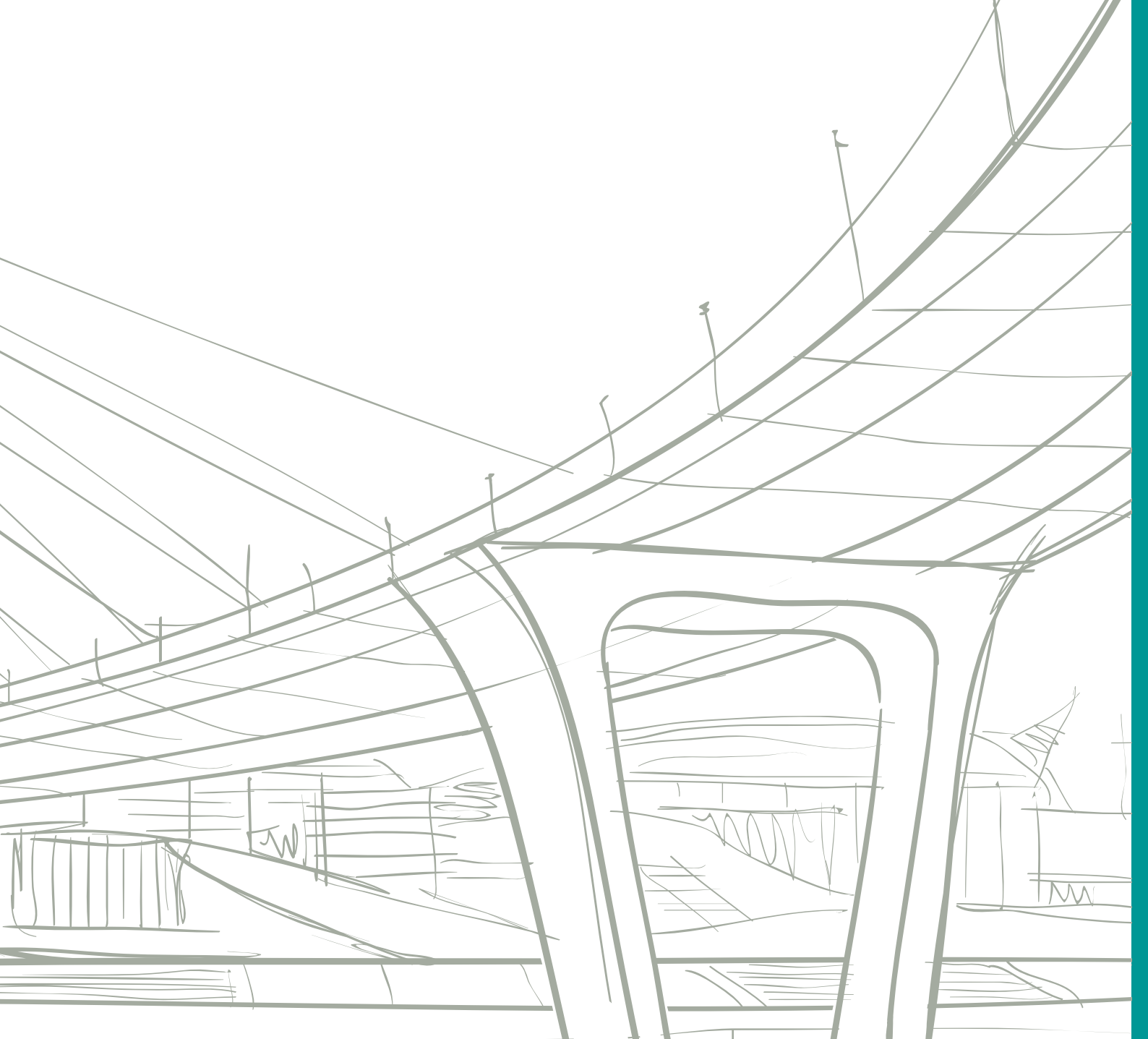
SERAHARD-ROCK Edition  
Stones/plasters  
Impression material  
treatments  
Isolating agents  
Pins  
Silicone putties

## Casting technique

Waxes  
Investments  
Investing accessories  
Duplicating materials  
Alloys  
Solders

## Finishing

Abrasives  
Occlusion sprays  
Cutting discs  
Polishers  
Polishing agents  
Brushes



## Acrylics

Heat and cold cure acrylics  
Isolating agents  
Tray material

## Miscellaneous

Cleaning agents  
Skin care  
Brushes

## SHERADigital

Milling machines  
Milling discs  
Milling burs & accessories  
Further devices

Do you have any question or do you require any technical advice?  
Contact us here:

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Espohlstraße 53 · 49448 Lemfoerde  
Germany

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Tel.: +49 (0) 54 43 - 99 33 - 0

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

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[www.shera.de](http://www.shera.de)  
[info@shera.de](mailto:info@shera.de)

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**8**  
 SHERAHARD-ROCK Edition



**9**  
 Stones/plasters



**22**  
 Impression  
 material treatments



**24**  
 Isolating agents



**26**  
 Pins



**28**  
 Silicone putties



# Preparation

# SHERAHARD-ROCK Edition



## T-SHIRT SHERAHARD-ROCK

- 100 % cotton, black
- regular cut
- sizes M to XL
- long dimensional stability and high colour fidelity

Item no.	Unit
994104 (size M)	1 piece
994105 (size L)	
994106 (size XL)	



## SHOPPING BASKET SHERAHARD-ROCK

- shopping basket made of polyester
- with aluminium frame and front pocket with zip fastener
- size approx. w 45 x h 25/45 x d 25 cm
- foldable

Item no.	Unit
994601	1 piece



## CAP SHERAHARD-ROCK

- 100 % heavy brushed cotton, black
- with structured front and high quality metallic buckle

Item no.	Unit
994201	1 piece



## CUP SHERAHARD-ROCK

- glass, satined, black
- premium quality
- dishwasher safe

Item no.	Unit
994501	1 piece



# Stones and plasters

All SHERA stones and plasters are compatible with alginate, silicone, polyether as well as hydrocolloid impressions and offer excellent technical advantages:

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

Our product range includes perfect stones and plasters for any application: from working to presentation models, or from CAD/CAM to opposing models. Just choose your favourite product among many different colours.



## SHERAHARD-ROCK

Super hard stone, superior quality

- for implant technique, for sectioned and master models
  - can be scanned with several systems
- good thixotropic quality and very good flow characteristics
  - ideal for plastic basing systems

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

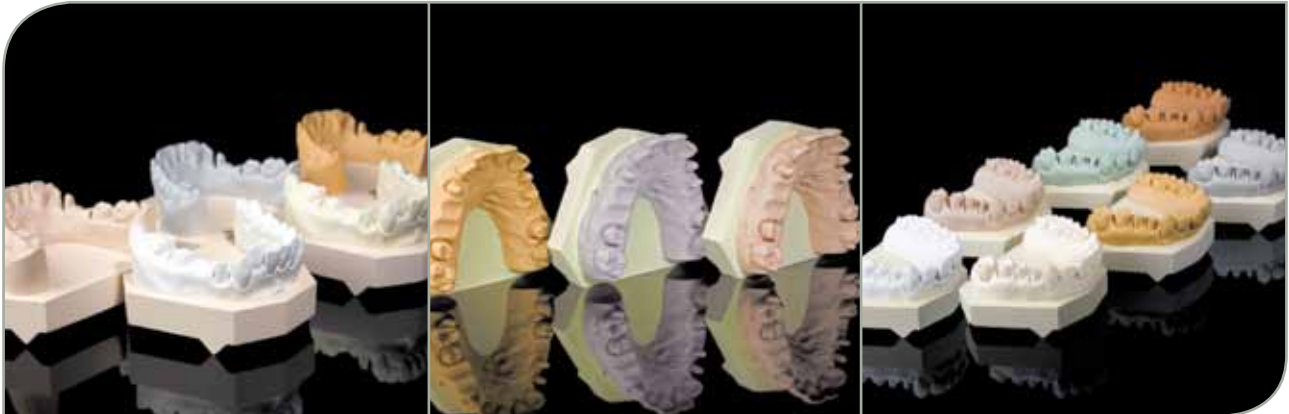
Technical specifications	
mixing ratio (p : dw)*	100 : 20
hardness after 2 h (MPa; N/mm <sup>2</sup> )	300
hardness after 24 h (MPa; N/mm <sup>2</sup> )	320
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	70
compressive strength after 1 h (psi)	10,150
setting expansion after 2 h (%)	< 0.10
working time (min)	5.0 - 6.0
end of setting (min)	approx. 30

\*mixing ratio = powder : distilled water



# Class IV stones

## Modelling and die stones



### SHERAMAXIMUM 2000

Super hard stone for especially high demands

- for implant work, for sectioned, master and static models
- good thixotropic quality and outstanding flow characteristics
- easy to process in spite of exceptional hardness

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

#### Technical specifications

mixing ratio (p : dw)*	100 : 20
hardness after 2 h (MPa; N/mm <sup>2</sup> )	310
hardness after 24 h (MPa; N/mm <sup>2</sup> )	340
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	64
compressive strength after 1 h (psi)	9,280
setting expansion after 2 h (%)	0.10
working time (min)	6.0 - 7.0
end of setting (min)	30 - 40

### SHERAMAXIMUM

Super hard stone for highest demands

- for implant work, for sectioned, master and static models
- easy to process in spite of its special hardness

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

#### Technical specifications

mixing ratio (p : dw)*	100 : 20
hardness after 2 h (MPa; N/mm <sup>2</sup> )	300
hardness after 24 h (MPa; N/mm <sup>2</sup> )	320
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	62
compressive strength after 1 h (psi)	8,990
setting expansion after 2 h (%)	0.10
working time (min)	6.0 - 7.0
end of setting (min)	30 - 40

### SHERAPREMIUM

Super hard stone

- for sectioned, master and static models
- top price to performance ratio
- reduced working time

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

#### Technical specifications

mixing ratio (p : dw)*	100 : 20
hardness after 2 h (MPa; N/mm <sup>2</sup> )	270
hardness after 24 h (MPa; N/mm <sup>2</sup> )	290
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	60
compressive strength after 1 h (psi)	8,700
setting expansion after 2 h (%)	0.10
working time (min)	4.5 - 5.5
end of setting (min)	30 - 40

\*mixing ratio = powder : distilled water



**SHERA**<sup>®</sup>

*Jive*

## SHERAJIVE

Rapid set super hard stone for creative technicians

- for repair models and relinings
- for denture repairs and opposing models
- short demould time of 10 minutes
- multiple uses

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 sachet
101133-84 (light yellow)	

Technical specifications	
mixing ratio (p : dw)*	100 : 25
hardness after 2 h (MPa; N/mm <sup>2</sup> )	190
hardness after 24 h (MPa; N/mm <sup>2</sup> )	210
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	48
compressive strength after 1 h (psi)	6,960
setting expansion after 2 h (%)	0.14
working time (min)	approx. 2.5
end of setting (min)	approx. 10

\*mixing ratio = powder : distilled water

# Class IV & V stones

## Modelling and die stones



### SHERAAQUA

#### Super hard stone

- for sectioned, master and static models
- top price to performance ratio
- reduced working time

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 specifications

mixing ratio (p : dw)*	100 : 23
hardness after 2 h (MPa; N/mm <sup>2</sup> )	250
hardness after 24 h (MPa; N/mm <sup>2</sup> )	270
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	57
compressive strength after 1 h (psi)	8,265
setting expansion after 2 h (%)	0.10
working time (min)	4.5 - 5.5
end of setting (min)	30 - 40

### SHERAFAVORIT

#### Resin-reinforced super hard stone

- for implant work, for sectioned, master and static models
- stone models are easy to remove even with extra-hard impression materials
- excellent for casting 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 specifications

mixing ratio (p : dw)*	100 : 20
hardness after 2 h (MPa; N/mm <sup>2</sup> )	300
hardness after 24 h (MPa; N/mm <sup>2</sup> )	320
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	57
compressive strength after 1 h (psi)	8,265
setting expansion after 2 h (%)	0.10
working time (min)	6.0 - 7.0
end of setting (min)	30 - 40

### SHERAPRIMA

#### Super hard stone class V

- with increased expansion
- for sectioned, master and static models
- balances the shrinking of some impression materials

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

#### Technical specifications

mixing ratio (p : dw)*	100 : 20
hardness after 2 h (MPa; N/mm <sup>2</sup> )	300
hardness after 24 h (MPa; N/mm <sup>2</sup> )	320
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	68
compressive strength after 1 h (psi)	9,860
setting expansion after 2 h (%)	0.18
working time (min)	6.0 - 7.0
end of setting (min)	30 - 40

\*mixing ratio = powder : distilled water

# Stones/plasters for basing models



## SHERASOCKEL-FLÜSSIG

### Super hard stone

- for basing arches
- particular liquid consistency
- flows under arches and pins
- very dense, bubble free bases with firm margins
- can be poured without using a vibrator
- 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)	
101110-84 (light yellow)	
101110-85 (apple green)	

### Technical specifications

mixing ratio (p : dw)*	100 : 23
hardness after 2 h (MPa; N/mm <sup>2</sup> )	230
hardness after 24 h (MPa; N/mm <sup>2</sup> )	250
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	49
compressive strength after 1 h (psi)	7,105
setting expansion after 2 h (%)	0.05
working time (min)	3.5 - 4.5
end of setting (min)	35 - 45

## SHERASOCKEL

### Hard plaster

- for bases
- good flow characteristics
- sectioned models remain dimensionally stable
- dense, bubble free bases with firm margins
- low expansion for stress-free models

Item no.	Unit
102030-70 (white)	20 kg

### Technical specifications

mixing ratio (p : dw)*	100 : 25
hardness after 2 h (MPa; N/mm <sup>2</sup> )	150
hardness after 24 h (MPa; N/mm <sup>2</sup> )	170
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	52
compressive strength after 1 h (psi)	7,540
setting expansion after 2 h (%)	0.05
working time (min)	4.5 - 5.0
end of setting (min)	20 - 30

\*mixing ratio = powder : distilled water



# Class III plasters

## Modelling plasters



### SHERAPLASTER

#### Hard plaster, superior quality

- for all prosthetic models
- for working, situation and opposing models
- ideal for prosthetic models
- creamy consistency
- very good flow characteristics
- firm margins
- smooth and homogeneous surfaces

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

#### Technical specifications

mixing ratio (p : dw)*	100 : 30
hardness after 2 h (MPa; N/mm <sup>2</sup> )	120
hardness after 24 h (MPa; N/mm <sup>2</sup> )	140
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	46
compressive strength after 1 h (psi)	6,670
setting expansion after 2 h (%)	0.15
working time (min)	4.0 - 5.0
end of setting (min)	20 - 30

### SHERAALPIN

#### Hard plaster

- for all prosthetic models
- for working, situation and opposing models
- ideal for dentures models
- shortened working time
- very good flow characteristics
- smooth and homogeneous surfaces

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

#### Technical specifications

mixing ratio (p : dw)*	100 : 30
hardness after 2 h (MPa; N/mm <sup>2</sup> )	100
hardness after 24 h (MPa; N/mm <sup>2</sup> )	110
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	44
compressive strength after 1 h (psi)	6,380
setting expansion after 2 h (%)	0.15
working time (min)	3.5 - 4.0
end of setting (min)	15 - 20

### SHERADYNAMIC

#### Very fast plaster

- ideally suitable for repair models
- optimized expansion for denture technique
- for working, situation and opposing models
- good flow characteristics
- smooth and homogeneous surfaces

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

#### Technical specifications

mixing ratio (p : dw)*	100 : 30
hardness after 2 h (MPa; N/mm <sup>2</sup> )	110
hardness after 24 h (MPa; N/mm <sup>2</sup> )	120
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	45
compressive strength after 1 h (psi)	6,525
setting expansion after 2 h (%)	0.15
working time (min)	2.5 - 3.0
end of setting (min)	9.5 - 10.5

\*mixing ratio = powder : distilled water

# Class III & II plasters



## SHERABIANCO

### Plaster for orthodontics

- for study, situation and working models
- models for denture repairs for the prosthetic technique
- for opposing models
- snow-white
- very dense and homogeneous consistency
- bubble free models
- very easy to etch

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

### Technical specifications

mixing ratio (p : dw)*	100 : 28
hardness after 2 h (MPa; N/mm <sup>2</sup> )	120
hardness after 24 h (MPa; N/mm <sup>2</sup> )	140
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	41
compressive strength after 1 h (psi)	5,945
setting expansion after 2 h (%)	0.15
working time (min)	5.0 - 6.0
end of setting (min)	approx. 20

## SHERAKFO-GIPS

### Plaster for orthodontics

- for working and study models
- models for denture repairs for the prosthetic technique
- for opposing models
- dense and homogeneous consistency

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

### Technical specifications

mixing ratio (p : dw)*	100 : 30
hardness after 2 h (MPa; N/mm <sup>2</sup> )	100
hardness after 24 h (MPa; N/mm <sup>2</sup> )	130
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	39
compressive strength after 1 h (psi)	5,655
setting expansion after 2 h (%)	0.15
working time (min)	4.0 - 4.5
end of setting (min)	20 - 30

## SHERAALABASTER

### Class II plaster

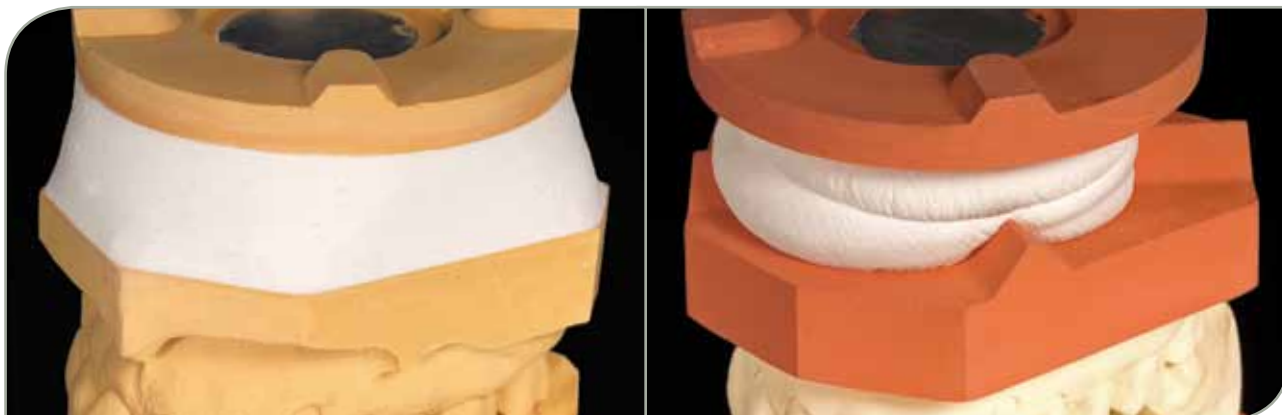
- for investing of partial and full denture
- for over bites and situation models
- good flow characteristics
- dense consistency
- precise reproduction of all details of the wax models

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

### Technical specifications

mixing ratio (p : dw)*	100 : 45-50
hardness after 2 h (MPa; N/mm <sup>2</sup> )	36
hardness after 24 h (MPa; N/mm <sup>2</sup> )	40
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	18
compressive strength after 1 h (psi)	2,610
setting expansion after 2 h (%)	0.18
working time (min)	2.0 - 3.0
end of setting (min)	20 - 30

\*mixing ratio = powder : distilled water



## SHERAARTI

### Articulating plaster

- high adhesive effect
- reduced working time
- extreme minimum expansion
- excellent stacking properties
- also suitable for milling bases, side and over bites

## SHERAADHESO

### Articulating plaster with high adhesive strength

- very high adhesive effect
- short working time
- extreme low expansion
- excellent stacking properties
- also suitable for milling bases, side and over bites

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

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

### Technical specifications

mixing ratio (p : dw)*	100 : 30
hardness after 2 h (MPa; N/mm <sup>2</sup> )	80
hardness after 24 h (MPa; N/mm <sup>2</sup> )	90
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	29
compressive strength after 1 h (psi)	4,205
setting expansion after 2 h (%)	< 0.03
working time (min)	2.0 - 2.5

### Technical specifications

mixing ratio (p : dw)*	100 : 30
hardness after 2 h (MPa; N/mm <sup>2</sup> )	80
hardness after 24 h (MPa; N/mm <sup>2</sup> )	90
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	29
compressive strength after 1 h (psi)	4,205
setting expansion after 2 h (%)	< 0.03
working time (min)	2.0 - 2.5

\*mixing ratio = powder : distilled water

# Articulating plasters



## SHERAARTI-QUICK

### Articulating plaster, fast-setting

- extra-white colour
- very short working time
- extreme low expansion
- very high thixotropic level
- perfectly suitable for the cloud-layer technique
- also suitable for milling bases, side and over bites

## SHERAMOUNT

### Articulating plaster

- high adhesive effect
- creamy consistency
- excellent stability
- also suitable for milling bases, side and over bites
- top price to performance ratio

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

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

### Technical specifications

mixing ratio (p : dw)*	100 : 30
hardness after 2 h (MPa; N/mm <sup>2</sup> )	80
hardness after 24 h (MPa; N/mm <sup>2</sup> )	90
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	28
compressive strength after 1 h (psi)	4,060
setting expansion after 2 h (%)	< 0.03
working time (min)	1.0 - 1.5

### Technical specifications

mixing ratio (p : dw)*	100 : 40
hardness after 2 h (MPa; N/mm <sup>2</sup> )	55
hardness after 24 h (MPa; N/mm <sup>2</sup> )	60
compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	19
compressive strength after 1 h (psi)	2,755
setting expansion after 2 h (%)	< 0.05
working time (min)	2.0 - 2.5

\*mixing ratio = powder : distilled water



## SHERAFLOC

### Stone precipitating agent

- stone/plaster particles sink to the bottom of the plaster trap
- thus minimised risk of blocked pipes
- reduces unpleasant odours
- use 10ml of SHERAFLOC for every 1 litre of water

Item no.	Unit
709040	1 litre
709046	10 litres
709048	25 litres

## SHERASON 928

### Stone and plaster solvent

- removes stone and plaster residues from dentures or spatulas
- cleans all surfaces soiled with stones/plasters
- can be diluted 1:2 with water
- with or without the use of an ultrasonic bath

Item no.	Unit
702080	1 litre
702081	5 litres
702088	25 litres

# Technical specifications stones/plasters

## Modelling stones class IV & V

### SHERAHARD-ROCK

#### Special characteristics

can be scanned with several systems

#### Colours

golden brown, golden yellow,  
light yellow, apple green

### SHERAMAXIMUM 2000

very good flow characteristics

golden brown, grey, rich yellow,  
light yellow, white

### SHERAMAXIMUM

extreme hardness

yellow, golden brown, grey

### SHERAPREMIUM

reduced working time

apricot, ivory, yellow, golden brown,  
grey, light green, white

### SHERAJIVE

demould time of 10 minutes

golden brown, light yellow

### SHERAAQUA

reduced working time

golden brown, pink, white

### SHERAFAVORIT

resin-reinforced

ivory, golden brown

### SHERAPRIMA

increased expansion, class V stone

rich yellow

## Basing stones/plasters

### SHERASOCKEL-FLÜSSIG

#### Special characteristics

liquid consistency

#### Colours

bright blue, rich yellow, terra, turquoise,  
light yellow, apple green, white

### SHERASOCKEL

low expansion

white

## Modeling plasters class III & II

### SHERAPLASTER

#### Special characteristics

extreme hardness

#### Colours

yellow, light green, light blue, white

### SHERAALPIN

reduced working time

yellow, light blue, white

### SHERADYNAMIC

for urgent repair models

yellow

### SHERABIANCO

for snow-white orthodontic works

snow-white

### SHERAKFO-GIPS

for orthodontic works

white

### SHERAALABASTER

for the flask

white

## Articulating plasters

### SHERAARTI

#### Special characteristics

extreme low expansion

#### Colours

white

### SHERAADHESO

very high adhesive strength

white

### SHERAARTI-QUICK

very short setting time

white

### SHERAMOUNT

creamy consistency

white

Mixing ratio (P : dw)*	Hardness after 2 h (MPa; N/mm <sup>2</sup> )	Hardness after 24 h (MPa; N/mm <sup>2</sup> )	Compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	Compressive strength after 1 h (psi)	Setting expansion after 2 h (%)	Working time (min)	End of setting (min)
100 : 20	300	320	70	10,150	< 0.10	5.0 - 6.0	approx. 30
100 : 20	310	340	64	9,280	0.10	6.0 - 7.0	30 - 40
100 : 20	300	320	62	8,990	0.10	6.0 - 7.0	30 - 40
100 : 20	270	290	60	8,700	0.10	4.5 - 5.5	30 - 40
100 : 25	190	210	48	6,960	0.14	approx. 2.5	approx. 10
100 : 23	250	270	57	8,265	0.10	4.5 - 5.5	30 - 40
100 : 20	300	320	57	8,265	0.10	6.0 - 7.0	30 - 40
100 : 20	300	320	68	9,860	0.18	6.0 - 7.0	30 - 40
Mixing ratio (P : dw)*	Hardness after 2 h (MPa; N/mm <sup>2</sup> )	Hardness after 24 h (MPa; N/mm <sup>2</sup> )	Compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	Compressive strength after 1 h (psi)	Setting expansion after 2 h (%)	Working time (min)	End of setting (min)
100 : 23	230	250	49	7,105	0.05	3.5 - 4.5	35 - 45
100 : 25	150	170	52	7,540	0.05	4.5 - 5.0	20 - 30
Mixing ratio (P : dw)*	Hardness after 2 h (MPa; N/mm <sup>2</sup> )	Hardness after 24 h (MPa; N/mm <sup>2</sup> )	Compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	Compressive strength after 1 h (psi)	Setting expansion after 2 h (%)	Working time (min)	End of setting (min)
100 : 30	120	140	46	6,670	0.15	4.0 - 5.0	20 - 30
100 : 30	100	110	44	6,380	0.15	3.5 - 4.0	15 - 20
100 : 30	110	120	45	6,525	0.15	2.5 - 3.0	9.5 - 10.5
100 : 28	120	140	41	5,945	0.15	5.0 - 6.0	approx. 20
100 : 30	100	130	39	5,655	0.15	4.0 - 4.5	20 - 30
100 : 45-50	36	40	18	2,610	0.18	2.0 - 3.0	20 - 30
Mixing ratio (P : dw)*	Hardness after 2 h (MPa; N/mm <sup>2</sup> )	Härte nach 24 h (MPa; N/mm <sup>2</sup> )	Compressive strength after 1 h (MPa; N/mm <sup>2</sup> )	Compressive strength after 1 h (psi)	Setting expansion after 2 h (%)	Working time (min)	End of setting (min)
100 : 30	80	90	29	4,205	< 0.03	2.0 - 2.5	-
100 : 30	80	90	29	4,205	< 0.03	2.0 - 2.5	-
100 : 30	80	90	28	4,060	< 0.03	1.0 - 1.5	-
100 : 40	55	60	19	2,755	< 0.05	2.0 - 2.5	-

\*mixing ratio = powder : distilled water

# Impression material treatments & adhesives



CE 0123

## SHERASON 929

Alginate solvent, concentrated liquid

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

Item no.	Unit
702090	1 litre
702091	5 litres

## IMPRESSION DISINFECTANT

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

- bactericide, yeasticidal, tuberculocidal, virucidal (enveloped viruses)
- drafting of an expert's test according to DGHM directives
- disinfects and cleans surfaces from dental work pieces and moulds
- has an inactivating effect on HBV/HIV and Rotavirus
- suitable for polyethers, silicones, alginates and hydrocolloids
- as a spraying disinfectant it kills germs

Item no.	Unit
703020	1 litre
703021	5 litres

## Adhesives



## SHERAMEGA 2000

Super glue

- viscosity: 20-40 mPas
- high fluidity
- based on cyanoacrylate
- anaerobic super glue
- excellent adhesive strength
- patented lid
- bottle does not run dry
- the opening does not get blocked

Item no.	Unit
958120	20 g

## SHERABOND

Super glue

- viscosity: 25 mPas
- very high fluidity
- based on cyanoacrylate
- exceptional adhesive strength
- also suitable for sealing dies

Item no.	Unit
958202	2 g pipette
958205	5 g
958210	10 g

## CYANO-C

Super glue

- viscosity: 50 mPas
- based on cyanoacrylate
- very high adhesive strength
- also suited for bridging gaps
- top price to performance ratio

Item no.	Unit
958305	5 g
958310	10 g





## SHERARELAXA

Impression and surface tension release agent

- for alginate, polyether and silicone impressions
- improves the flow properties of stones 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
709175	500 ml

## SHERAMASTER

Impression spray and surface tension release agent

- for silicones, polyether as well as persulphate 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
- neutral odour

Item no.	Unit
709070	1 litre



## TIP

Pictures are worth a 1000 words. You find an application movie about our surface tension release agent SHERARELAXA on [www.shera.de](http://www.shera.de) or on [www.youtube.com](http://www.youtube.com).

# Isolating agents



## SHERASEPARAT

Separating agent spray based on wax

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

Item no.	Unit
701102	50 ml spray can
701105	300 ml spray can

## SHERASEPAL-U

Separating agent

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

Item no.	Unit
701055	500 ml spray can



## SHERASEP-6

Stone/plaster separating agent

- separates stone/plaster against stone/plaster
- seals simultaneously
- based on wax and silicone
- very thin separating layer
- water repellent

Item no.	Unit
701045	500 ml

## SHERABRILLIANT

Stone/plaster hardener

- hardens and seals stone/plaster surfaces
- makes stone/plaster models shine
- soaks into the model without altering its dimensions
- water repellent
- for final treatment of stone models

Item no.	Unit
709035	500 ml

# Model resin Silicones in cartridges



## SHERAPOLAN 2 : 1

Model resin based on polyurethane

- ideal also for casting thin undercut dies
- optimized for CAD/CAM in grey colour
- dimensionally stable and long-lasting
- short setting time
- absolutely 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, 50 ml SHERASEPARAT (separating agent)

## SHERACRYSTAL

Transparent silicone

- addition cure silicone
- on the basis of polysiloxane
- for working with light cure materials
- for the production of side and over bites
- it is particularly suitable for implantological application
- application in mouth only in cured condition
- Shore hardness A 70

**Item no. Unit**

960201 Set consists of:  
2 double cartridges each of 50 ml  
10 mixing nozzles turquoise



## SHERAGINGIVAL

Silicone natural appearance

- for gingival masks for model preparation
- addition cure silicone
- special colour with natural appearance
- easy to mix due to cartridge system
- 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, 50 ml SHERASEPARAT (separating agent)  
960306 BUR for SHERAGINGIVAL



## MIXING GUN

for 2-phase cartridges

**Item no. Unit**  
960301 1 piece

## MIXING NOZZLES

for cartridges of 50 ml  
- pink, ø 7 mm, 65 mm long (for SHERAGINGIVAL)  
- yellow, ø 6 mm, 50 mm long (for S'SIL-EXTRA LIGHT)  
- blue, ø 5 mm, 45 mm long (for individual application)

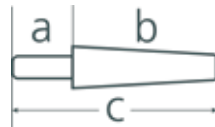
**Item no. Unit**  
960302 (pink) 50 pieces  
960303 (yellow)  
960307 (blue)

## INTRA ORAL TIPS

for mixing nozzles in pink

**Item no. Unit**  
960304 50 pieces

# Pins



## DOWEL PIN

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

Item no. 942102

Unit 1000 pieces



## DOWEL PIN

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

Item no. 942103

Unit 1000 pieces



## DOWEL PIN

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

Item no. 942104

Unit 1000 pieces



## BI-PIN

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

Item no. 942203

Unit 100 pieces



## TAPERED PIN

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

Item no. 942401

Unit 1000 pieces



## METAL SLEEVE

- for TAPERED PIN
- c 10 mm

Item no. 942402

Unit 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

Item no. 942801

Unit 1000 pieces



## DRILL

- reinforced with web
- ø 1.60 mm
- for TAPERED and GRADUATED PIN
- c 35 mm

Item no. 942901

Unit 1 piece



CUP

Item no. 938301

Unit 10 pieces



MAGNET

Item no. 938101

Unit 10 pieces



PLATE C.E.

Item no. 938201

Unit 10 pieces



SILIKONSPRAY

Silicone spray

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

Item no. 709165

Unit 400 ml spray can



## TIP

There are many reasons for separation. You find the perfectly suited isolating agents on page 24, as for example SHERASEP-G to separate stone from stone.

# Silicone putties

Addition cure silicone putties from SHERA consist of two components which simply are mixed together with the ratio of 1:1. The material can be mixed easily and

homogeneously. You will achieve dimensionally stable results, precise reproduction of details and surfaces.



## SHERADUETT-SUPERSOFT

### Silicone putty

- shore hardness A 50
- especially suitable for undercut dies
- for the preparation of side and over bites as well as bite registrations and for models for denture repairs
- for isolating teeth against stone when flasking
- very exact moulding
- stable to boiling

Item no.	Unit
301550	2 x 1.3 kg
301555	2 x 4 kg

## SHERADUETT-SOFT

### Silicone putty

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

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

## SHERADUETT-HARD

### Silicone putty

- shore hardness A 95
- for the preparation of side and over bites as well as bite registrations and for models for denture repairs
- for isolating teeth against stone when flasking
- very exact moulding
- dimensional stability, stable to boiling

Item no.	Unit
301100	2 x 1.5 kg
301105	2 x 5 kg





CE

## SHERATWIST 60

### Silicone putty

- shore hardness A 60
- silky soft consistency

### Area of application in the dental practice

- impression material for the use in the wash and sandwich technique
- application with correction material SHERASIL-EXTRA LIGHT

### Area of application in the dental laboratory

- for the preparation of side and over bites and for models for denture repairs
- for isolating teeth against stone when flasking

Item no.	Unit
301500	2 x 500 g
301505	2 x 5 kg



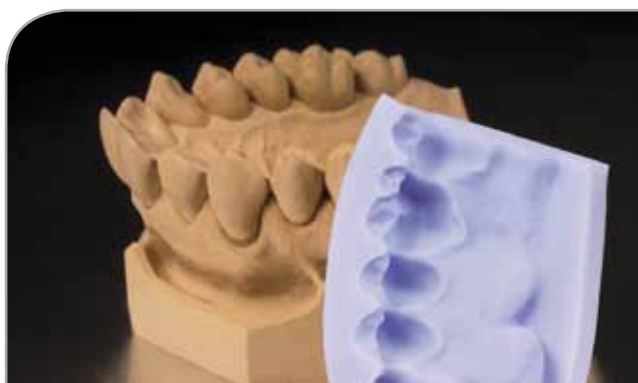
CE

## SHERASIL-EXTRA LIGHT

### Correction material for SHERATWIST 60

- precise elastomeric mould material
- addition cure silicone putty
- both components can be mixed easily due to cartridge
- liquid consistency
- especially short intraoral setting time
- suitable for sandwich and double mixing technique

Item no.	Unit
302044	2 cartridges each of 50 ml incl. mixing nozzles yellow

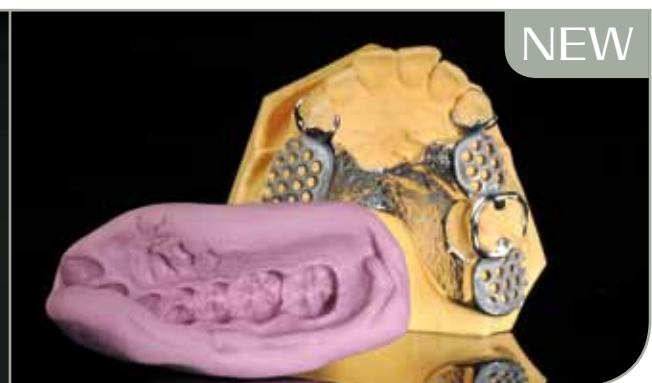


## SHERADUPLICA

### Silicone putty

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

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



## SHERADUPLICA-HARD

### Silicone putty

- shore hardness A 95
- for the preparation of side and over bites as well as bite registrations and for models for denture repairs
- slightly oily
- very exact moulding
- dimensional stability
- stable to boiling

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

# Silicone putties

## Condensation cure silicone putties



### SHERAEXACT 65

#### Silicone putty

- condensation cure silicone putty
- shore hardness A 65
- for the production of side and over bites and models for denture repairs
- for isolating teeth against stone when flasking
- silky soft consistency
- very homogeneous and dense
- ultimate stability
- mixes easily with hardener SHERAPASTENHÄRTER

Item no.	Unit
302010	1.3 kg tub
302016	10 kg bucket

### SHERAEXACT 85

#### Silicone putty

- condensation cure silicone putty
- shore hardness A 85
- for the preparation of side and over bites and models for denture repairs
- for isolating teeth against stone when flasking
- soft and non-sticky
- very homogeneous and dense
- highly dimensionally stable
- stable to boiling
- mixes easily with hardener SHERAPASTENHÄRTER

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



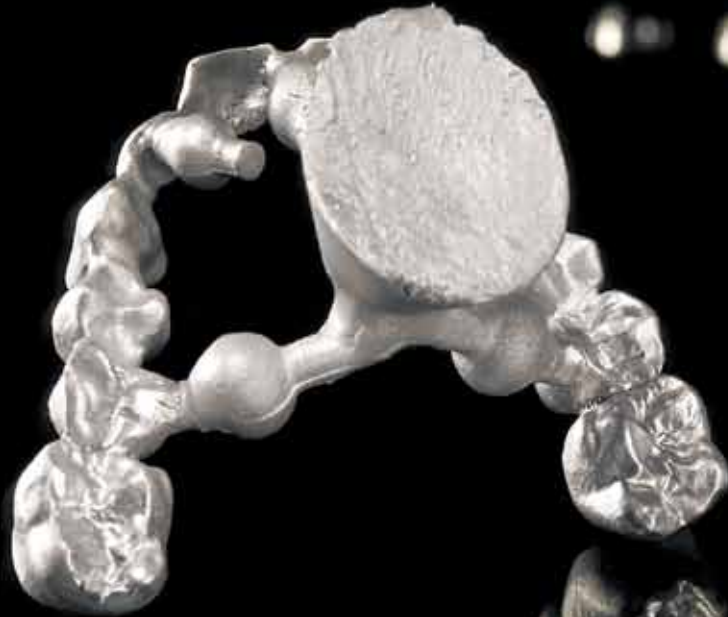
### SHERAPASTENHÄRTER

#### Catalyst for SHERA silicone putties

- in plastic tube
- simple to dose

Item no.	Unit
302094	40 ml tube





**32**  
Waxes



**37**  
Investments



**40**

Investing accessories



**42**

Duplicating materials



**45**

Alloys



**52**

Solders



# Casting technique

# Waxes



## AESTHETIC WAX

- ideally suited as a wax up
- 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 tub



## CERVICAL WAX

- for precisely tailored crown margins
- free of tensions
- very low thermal contraction

Item no.	Unit
974121 (red)	45 g tub



## MODELLING WAX

- for perfect modelling
- saves working time
- very good sculpturing features
- short cool-down phase
- very low thermal contraction
- burns without residues
- free of plastic particles

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



## CARVING WAX

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

Item no.	Unit
974111 (green)	45 g tub



## SHERAREPRO-WAX <sup>CE</sup>

### 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 point very precisely
- for direct fitting control even in the patient's mouth
- suitable for pressable ceramics

Item no.	Unit
974150 (beige)	1 block of 50 g
974155 (beige)	10 blocks of 50 g



## SHERACAD-WAX

CAD/CAM wax block

- hard, very good machinability
- burns without residues
- dropping-point at 120°C
- ø 98.50 mm
- height 20 mm

Item no.	Unit
974950 (beige)	1 piece

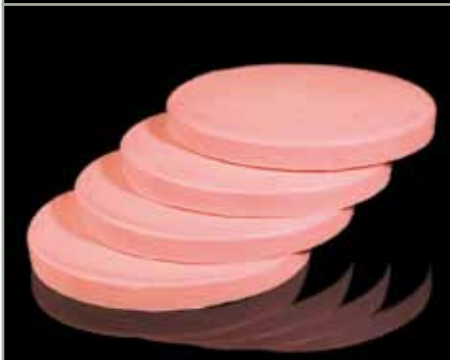
NEW



## SHERASCAN-WAX

- modelling and block out wax for CAD/CAM technique
- laser and light opaque

Item no.	Unit
974960 (beige)	45 g tub



## 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 7.5 cm ø



## PREPARATION WAX

- for model casting
- elastic quality
- simple 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)	



## CASTING WAX COARSE-VEINED

- for model casting
- high quality - ductile
- simple to adapt
- does not stretch while moulding

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

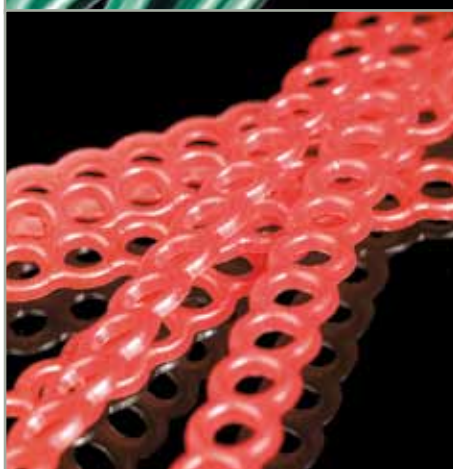
# Waxes



## LOWER JAW BARS

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

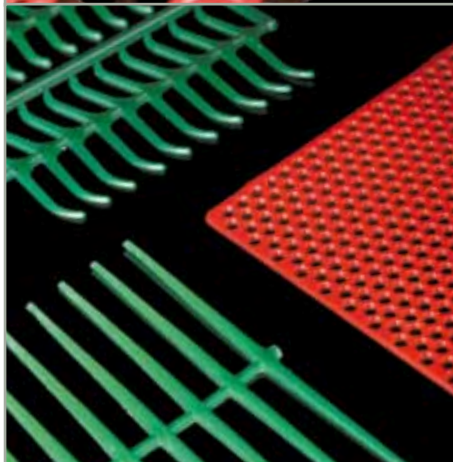
Item no.	Unit
974291	65 g



## HOLE RETENTION BARS

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

Item no.	Unit
974292	25 bars



## 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



## PROFIL BARS ROUND

- ø 1.0 mm
- medium hardness

Item no.	Unit
974921 (emerald green)	38 g





## WAX STICKS

- ø 4.0 mm round
- hard
- stable and distortion - free connections
- very secure when lifting wax patterns

Item no.	Unit
974914 (red)	250 g

NEW



## SHERACASTING-STICKS

- wax casting sticks with „reservoir“
- for a homogeneous casting structure without porosities
- simple treating of the casting by flooding with the casting stick
- easy separation after casting
- enlarged trunking cross for non-precious alloys

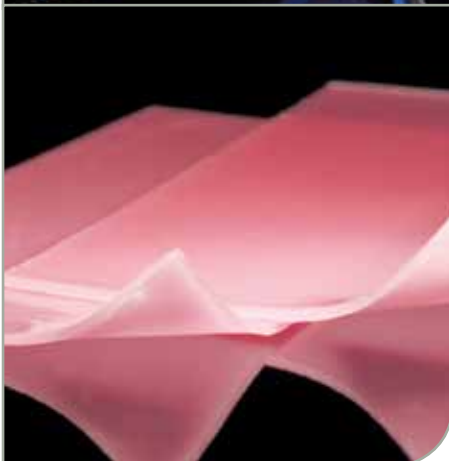
Item no.	Unit
974917 (ø 7.0 mm)	100 pieces
974918 (ø 8.0 mm)	
974919 (ø 9.0 mm)	



## WAX WIRE

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

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



## PINK SHEET WAX <sup>CE</sup>

- top quality
- multi-purpose wax
- exceptionally elastic
- excellence in modelling
- low contraction
- opaque colour for optimal control

Item no.	Unit
974294	2.5 kg

## Waxes & Accessories



### DIP COAT SEALING WAX

- dip coat sealing wax granule
- simple to dose
- elastic, but stable with high modulus of resilience
- very easy to carve

Item no.	Unit
974296 (orange)	80 g



### DEEP DRAWING FOILS

- for the Adapta System
- burns without residues
- $\varnothing$  42 x 0.6 mm

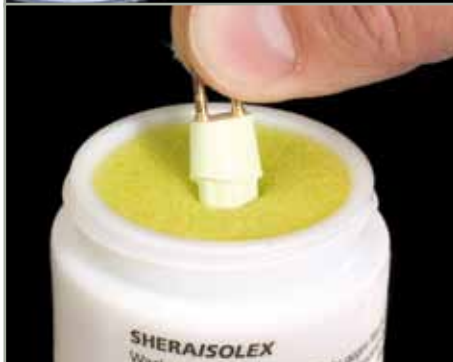
Item no.	Unit
990104 (hard)	100 pieces
990105 (soft)	



### UNDERLAY FOILS

- $\varnothing$  42 x 0.1 mm

Item no.	Unit
990106	200 pieces



### SHERAISOLEX

#### Isolating agent – sponge

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

Item no.	Unit
701082	16 ml re-fill bottle with brush
701087	20 ml tub



### 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.	Unit
962101 (blue, 10 $\mu$ m)	16 ml bottle with brush
962201 (clear, 3 $\mu$ m)	
962301 (red, 8 $\mu$ m)	
962401 (silver, 13 $\mu$ m)	



# Investments

SHERA offers an extensive range of highly technical products to meet the demands of precision investment casting. The technical characteristics of these high tech products convince.

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
- optimal in order to bind a maximum of oxides
- very economical as they help saving working time while processing
- a guarantor for precise casting results with a very high surface quality.

All SHERA investments are as suitable for shock heat and for the traditional slow heating process. For chrome casting as well as for crown and bridge technique up to alloys with a high gold content or non-precious metals: SHERA has the appropriate investment for each technique.

# Crown and bridge investments



## SHERAFINA® 2000

Investment for crown and bridge technique

- premium quality
- for all high gold up to non-precious alloys as well as for pressable ceramics expansion is easy to control
- for shock heat process and for the traditional slow heating process
- very fine and dense consistency
- for castings with very smooth surfaces
- for an exceptional precise fit

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

## 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 process and for the traditional slow heating process
- very fine and dense consistency
- for castings with very smooth surfaces
- for an exceptional precise fit

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



## SHERAVEST RP

Investment for rapid prototyping

- phosphate bonded
- for three-dimensional printed plastic models
- for casting almost all kind of alloys
- very precise casting result
- maximum bonding of arising oxide

Item no.	Unit
202095	10 kg (4 x 2.5 kg)

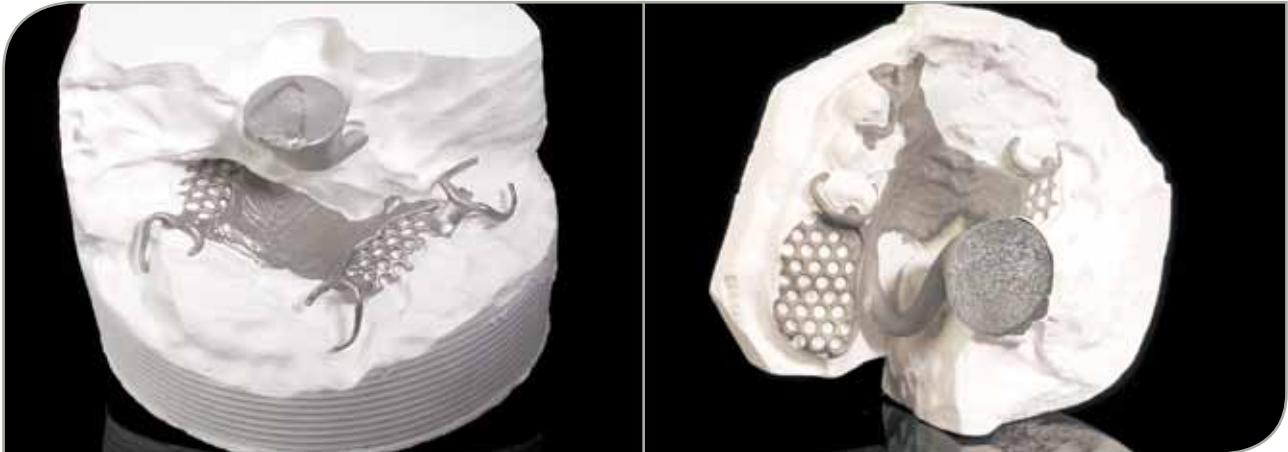
## SHERATITAN-EASY

Investment for pure titanium

- for shock heat process and for the traditional slow 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 a 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 tub





## SHERACAST 2000

### Chrome investment

- premium quality
- for shock heat process and for the traditional slow heating process
- silicone duplication
- for chrome castings with a very precise fit
- for extremely smooth surfaces
- for very stable margins
- the oxides will be bonded when deinvesting

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

## SHERACAST

### Robust chrome investment

- for shock heat process and for the traditional slow heating process
- silicone and gel duplication
- for chrome castings with a very precise fit
- for extremely smooth surfaces
- for stable margins
- the oxides will be bonded when deinvesting shock heat process

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



## SHERALIQUID

Mixing liquid for all SHERA investments

Item no.	Unit
208010	1 litre
208011	5 litres

## SHERALIQUID EXTRA

Mixing liquid for any kind of work requiring greater expansion. Only suitable for use in conjunction with SHERALIQUID.

Item no.	Unit
208020	1 litre

## TIP



Which mixing ratio leads to the best result?

In the download area on [www.shera.de](http://www.shera.de) you find the mixing tables for SHERA investments. In tricky cases our application technicians 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 only thus makes highest precision possible.



## SHERAMUFFEL-FORMER K&B

For crown and bridge technique

- reusable multiple times
- facilitates the expansion of the investment

Item no.	Unit
926101 (3x mould)	1 piece
926102 (6x mould)	1 piece

## SHERAMUFFEL-FORMER RP

For rapid prototyping

- for investing three-dimensional printed models
- reusable multiple times
- facilitates the expansion of the investment

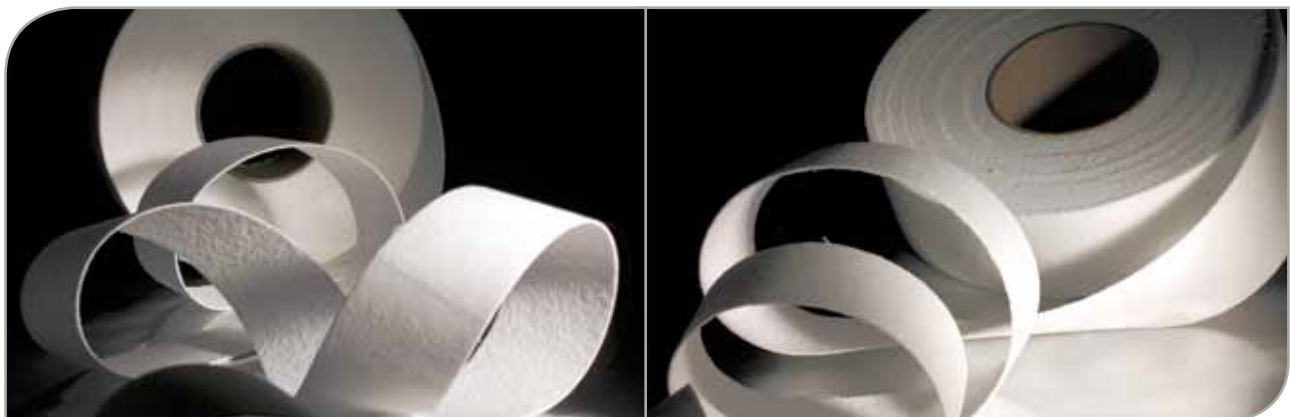
Item no.	Unit
926125	1 piece

## SHERAMUFFEL-FORMER MG

For chrome technique

- reusable multiple times
- facilitates the expansion of the investment

Item no.	Unit
926105	1 piece



## SHERAMUFFELRINGEINLAGE

Casting ring liner

- 50 x 1 mm and 55 x 1 mm
- 25 metres per roll
- asbestos free
- extra thick and soft
- yields to expansion

Item no.	Unit
926201 (50 x 1 mm)	1 roll
926202 (55 x 1 mm)	

## SHERABIO-MUFFELVLIES

Bio casting ring liner

- 50 x 1 mm
- 25 metres per roll
- well-tolerated AES wool
- applicable as conventional casting ring liner

Item no.	Unit
926211	1 roll

# Accessories for investment models



## 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 litres

## THINNER

For SHERAPOR-L

Item no.	Unit
926303	500 ml



## 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 litres



## SHERAMODELLHAFT-GRUND

### Model adhesive

- clear
- improves the adhesion of wax to the surface of investment models

Item no.	Unit
709132	30 ml bottle with brush
709133	100 ml

# Silicone duplicating materials

The addition cure duplicating silicones of the DUOSIL range of SHERA are suitable for mixing both by hand and under vacuum. These bottles are compatible with many commercial

silicone dispensing devices. Due to a high tear-resistance and an outstanding elastic recovery of the material, the silicone moulds can be cast several times.



## DUOSIL H

### Duplicating silicone

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

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

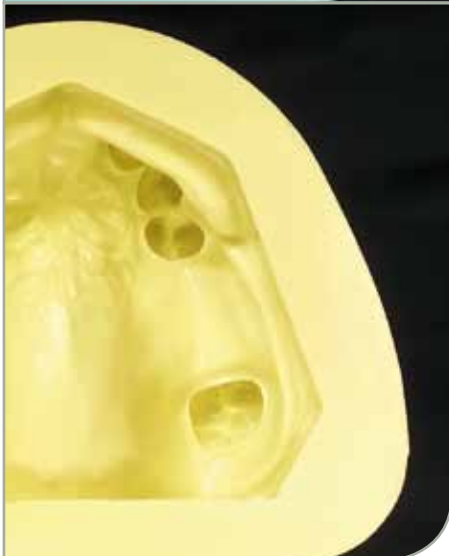


## DUOSIL D

### Duplicating silicone

- colour: turquoise
- shore hardness A 22
- 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

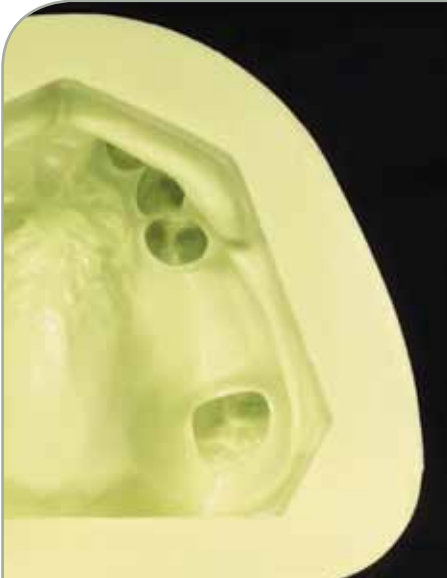


## DUOSIL EXPRESS

### Duplicating silicone

- colour: yellow
- shore hardness A 22
- medium hardness
- shortened setting time: 9 minutes
- enables fast working
- for stones and investments

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



## DUOSIL EXTRA HART

### Duplicating silicone

- colour: lime green
- shore hardness A 32
- great hardness
- setting time: 20 minutes
- especially suitable for the acrylic technique
- slightly oily
- very fast recovery

Item no.	Unit
321070	2 x 1 kg
321071	2 x 5 kg



## DUOSIL 5

### Duplicating silicone

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

Item no.	Unit
321140	2 x 1 kg



## DUPLICATING FLASK

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

Item no.	Unit
922120	1 piece (4-parts)

## TIP

For preparing chrome works we suggest using the duplicating flask without the stabilizing frame. For pouring in the investment place the set silicone form without the flasking ring onto the bottom of the duplicating flask!

# Duplicating gels

SHERA duplicating gels can be heated conventionally or in a microwave, are reusable and biodegradable.

Their varied elasticity makes them suitable for different applications in the laboratory.



## SHERAHYDROKOL

Duplicating gel

- optimized for the production of stone/plaster models
- colour: beige
- firm duplicating material
- fast and economical

Item no.	Unit
322040	6 kg bucket

## SHERAFORM

Duplicating gel with premium quality

- for chrome cobalt models
- 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 bucket



## SHERADUBLE

Duplicating gel

- for chrome cobalt models
- colour: green
- elastic duplicating gel
- excellent price to performance ratio

Item no.	Unit
322010	6 kg bucket

## SHERAGEL

Duplicating gel

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

Item no.	Unit
322020	6 kg bucket



# Alloys

SHERA alloys are high-quality alloys with ideal technical properties. They are melting homogeneously with an excellent capability of flow and are very easy to work on. The excellent surface quality guarantees an exquisite gloss.

According to DIN EN ISO 22674 all SHERA alloys are free of beryllium as well as cadmium. All cobalt chrome alloys are also free of nickel. SHERA alloys distinguish themselves by highest purity. As a CE marked medical device they are subject to permanent control and stringent quality requirements.

# Crown and bridge alloys

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



CE 0123

CE 0123

CE 0123

## SHERIDIUM

Non-precious bonding alloy premium quality

- cobalt chrome alloy containing platinum
- therefore exceptionally good fluidity
- optimized repassivation
- easy to work with and to solder
- coefficient of expansion:  $14.5 \times 10^{-6} \text{ K}^{-1}$
- suitable for laser welding

Item no.	Unit
402010	100 g
402011	250 g
402013	1000 g

### Technical specifications

vickers hardness (HV 10)	285
density (g/cm <sup>3</sup> )	8.6
tensile strength (N/mm <sup>2</sup> )	645
0.2-yield strength (N/mm <sup>2</sup> )	550
elongation limit A <sub>5</sub> (%)	12
modulus of elasticity (N/mm <sup>2</sup> )	202,600
liquidus point (°C)	1,410
solidus point (°C)	1,300
casting temperature (°C)	1,520
coefficient of expansion (25-600°C)	$14.5 \times 10^{-6} \text{ K}^{-1}$

### Composition in %

chrome	28
cobalt	62
molybdenum	6.1
silicon	1.2
Platin	1.5
further elements below 1 %	Fe, Mn

## SHERADENT

Non-precious bonding alloy top quality

- very high value cobalt chrome alloy
- long approved quality
- coefficient of expansion:  $14.5 \times 10^{-6} \text{ K}^{-1}$
- suitable for laser welding

Item no.	Unit
402020	100 g
402021	250 g
402023	1000 g

### Technical specifications

vickers hardness (HV 10)	286
density (g/cm <sup>3</sup> )	8.3
tensile strength (N/mm <sup>2</sup> )	734
0.2-yield strength (N/mm <sup>2</sup> )	570
elongation limit A <sub>5</sub> (%)	10
modulus of elasticity (N/mm <sup>2</sup> )	194,000
liquidus point (°C)	1,417
solidus point (°C)	1,309
casting temperature (°C)	1,520
coefficient of expansion (25-600°C)	$14.5 \times 10^{-6} \text{ K}^{-1}$

### Composition in %

chrome	21
cobalt	65
molybdenum	6
tungsten	6
further elements below 1 %	Fe, Mn, Si

## SHERAALLOY-E

Non-precious bonding alloy

- high value cobalt chrome alloy
- favourable price to performance ratio
- coefficient of expansion:  $14.8 \times 10^{-6} \text{ K}^{-1}$
- suitable for laser welding

Item no.	Unit
402040	100 g
402041	250 g
402043	1000 g

### Technical specifications

vickers hardness (HV 10)	280
density (g/cm <sup>3</sup> )	8.3
tensile strength (N/mm <sup>2</sup> )	690
0.2-yield strength (N/mm <sup>2</sup> )	560
elongation limit A <sub>5</sub> (%)	14
modulus of elasticity (N/mm <sup>2</sup> )	210,000
liquidus point (°C)	1,420
solidus point (°C)	1,300
casting temperature (°C)	1,520
coefficient of expansion (25-600°C)	$14.8 \times 10^{-6} \text{ K}^{-1}$

### Composition in %

chrome	29
cobalt	63
molybdenum	5.8
silicon	1.4
further elements below 1 %	Fe, Mn





NEW

### CE 0123 SHERA-ALLOY-NP

#### Non-precious bonding alloy

- high value cobalt chrome alloy
- good flow properties
- biocompatible and suitable for laser welding
- coefficient of expansion:  $14.0 \times 10^{-6} \text{ K}^{-1}$
- very good price to performance ratio

Item no.	Unit
402143	1000 g

#### Technical specifications

vickers hardness (HV 10)	280
density (g/cm <sup>3</sup> )	8.3
0.2-yield strength (N/mm <sup>2</sup> )	550
elongation limit A <sub>5</sub> (%)	10.1
modulus of elasticity (N/mm <sup>2</sup> )	210,000
liquidus point (°C)	1,350
solidus point (°C)	1,300
casting temperature (°C)	1,390
coefficient of expansion (25-600°C)	$14.0 \times 10^{-6} \text{ K}^{-1}$

#### Composition in %

chrome	24
cobalt	63
tungsten	8.1
molybdenum	2.9
silicon	1.1
further elements below 1 %	Nb

### CE 0123 SHERAALEOS

#### Non-precious bonding alloy

- high value cobalt chrome alloy
- coefficient of expansion:  $14.1 \times 10^{-6} \text{ K}^{-1}$
- suitable for laser welding

Item no.	Unit
402050	100 g
402051	250 g
402053	1000 g

#### Technical specifications

vickers hardness (HV 10)	285
density (g/cm <sup>3</sup> )	8.3
tensile strength (N/mm <sup>2</sup> )	845
0.2-yield strength (N/mm <sup>2</sup> )	620
elongation limit A <sub>5</sub> (%)	10
modulus of elasticity (N/mm <sup>2</sup> )	190,000
liquidus point (°C)	1,415
solidus point (°C)	1,390
casting temperature (°C)	1,475
coefficient of expansion (25-600°C)	$14.1 \times 10^{-6} \text{ K}^{-1}$

#### Composition in %

chrome	28
cobalt	61
tungsten	8.5
silicon	1.7
further elements below 1 %	Fe, Mn, C

### CE 0123 SHERAALEOS-DISC

#### Non-precious alloy milling disc

- high value cobalt chrome alloy
- bonding alloy
- coefficient of expansion:  $14.1 \times 10^{-6} \text{ K}^{-1}$
- suitable for laser welding
- other disc thicknesses can be supplied on request

Item no.	Unit
402062	with step, ø 98.3 mm, height 10 mm
402064	with step, ø 98.3 mm, height 12 mm
402066	with step, ø 98.3 mm, height 13.5 mm
402068	with step, ø 98.3 mm, height 15 mm
402072	without step, ø 99.5 mm, height 10 mm
402074	without step, ø 99.5 mm, height 12 mm
402076	without step, ø 99.5 mm, height 14 mm
402078	without step, ø 99.5 mm, height 15 mm

#### Technical specifications

vickers hardness (HV 10)	285
density (g/cm <sup>3</sup> )	8.3
tensile strength (N/mm <sup>2</sup> )	845
0.2-yield strength (N/mm <sup>2</sup> )	620
elongation limit A <sub>5</sub> (%)	10
modulus of elasticity (N/mm <sup>2</sup> )	190,000
coefficient of expansion (25-600°C)	$14.1 \times 10^{-6} \text{ K}^{-1}$

#### Composition in %

chrome	28
cobalt	61
tungsten	8.5
silicon	1.7
further elements below 1 %	Fe, Mn, C

# Nickel containing crown and bridge alloys



CE 0123

## SHERAMAJESTIC

Nickel chrome bonding alloy

- easy machining
- surface gloss after short time
- coefficient of expansion:  $14.1 \times 10^{-6} \text{ K}^{-1}$

Item no.	Unit
402033	1000 g

### Technical specifications

vickers hardness (HV 10)	210
density (g/cm <sup>3</sup> )	8.2
tensile strength (N/mm <sup>2</sup> )	540
0.2-yield strength (N/mm <sup>2</sup> )	340
elongation limit A <sub>5</sub> (%)	15
modulus of elasticity (N/mm <sup>2</sup> )	205,000
liquidus point (°C)	1,350
solidus point (°C)	1,260
casting temperature (°C)	1,520
coefficient of expansion (25-600°C)	$14.1 \times 10^{-6} \text{ K}^{-1}$

### Composition in %

chrome	26
nickel	61
molybdenum	11
silicon	1.5
further elements below 1 %	Mn, C



NEW

CE 0123

## SHERA-ALLOY-NI

Nickel chrome bonding alloy

- highest fitting accuracy with low hardness
- very good price to performance ratio
- coefficient of expansion:  $14.1 \times 10^{-6} \text{ K}^{-1}$
- suitable for laser welding

Item no.	Unit
402133	1000 g

### Technical specifications

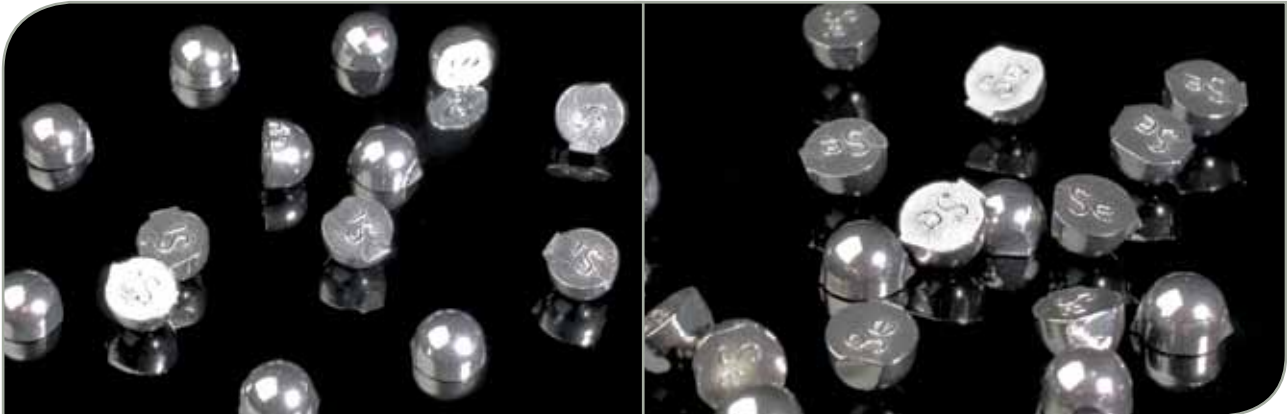
vickers hardness (HV 10)	180
density (g/cm <sup>3</sup> )	8.2
0.2-yield strength (N/mm <sup>2</sup> )	345
elongation limit A <sub>5</sub> (%)	25
modulus of elasticity (N/mm <sup>2</sup> )	200,000
liquidus point (°C)	1,330
solidus point (°C)	1,250
casting temperature (°C)	1,390
coefficient of expansion (25-600°C)	$14.1 \times 10^{-6} \text{ K}^{-1}$

### Composition in %

chrome	24.5
nickel	62.65
molybdenum	10
silicon	1.35
iron	1.0
further elements below 1 %	-

# 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.



CE 0123

## SHERALIT-IMPERIAL

Hemispherical (Si)

- super hard
- suitable for laser welding

Item no.	Unit
401013	1000 g

### Technical specifications

vickers hardness (HV 10)	425
density (g/cm <sup>3</sup> )	8.3
tensile strength (N/mm <sup>2</sup> )	725
0.2-yield strength (N/mm <sup>2</sup> )	525
elongation limit A <sub>5</sub> (%)	9
modulus of elasticity (N/mm <sup>2</sup> )	225,000
liquidus point (°C)	1,400
solidus point (°C)	1,310
casting temperature (°C)	1,560

### Composition in %

chrome	28
cobalt	63
molybdenum	6.1
niobium	1
further elements below 1 %	C, Fe, Mn, Si

CE 0123

## SHERALIT-ELASTIC

Hemispherical (Se)

- exceptional elasticity
- ideal for removable partial dentures
- suitable for laser welding

Item no.	Unit
401023	1000 g

### Technical specifications

vickers hardness (HV 10)	390
density (g/cm <sup>3</sup> )	8.4
tensile strength (N/mm <sup>2</sup> )	720
0.2-yield strength (N/mm <sup>2</sup> )	520
elongation limit A <sub>5</sub> (%)	10
modulus of elasticity (N/mm <sup>2</sup> )	220,000
liquidus point (°C)	1,380
solidus point (°C)	1,300
casting temperature (°C)	1,550

### Composition in %

chrome	28
cobalt	64
molybdenum	6.1
further elements below 1 %	C, Fe, Mn, Nb, Si

# Model casting alloys



CE 0123

## SHERALIT-CYLINDRA

Cylindrical

- universal alloy
- favourable price to performance ratio
- suitable for laser welding

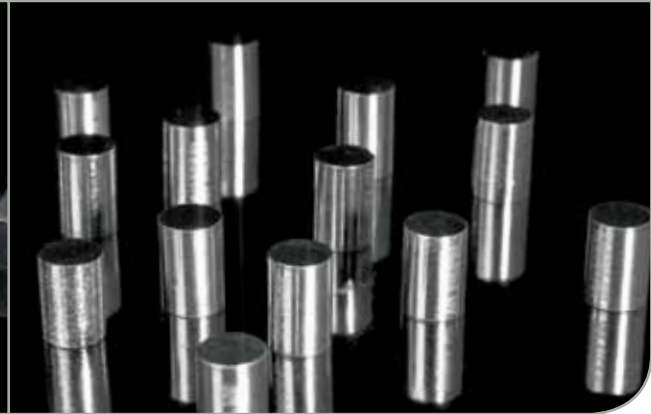
Item no.	Unit
401043	1000 g

### Technical specifications

vickers hardness (HV 10)	370
density (g/cm <sup>3</sup> )	8.6
tensile strength (N/mm <sup>2</sup> )	780
0.2-yield strength (N/mm <sup>2</sup> )	510
elongation limit A <sub>5</sub> (%)	8
modulus of elasticity (N/mm <sup>2</sup> )	205,000
liquidus point (°C)	1,390
solidus point (°C)	1,200
casting temperature (°C)	1,600

### Composition in %

chrome	29
cobalt	63
molybdenum	6
further elements below 1 %	C, Fe, Si



CE 0123

## SHERANAXOS

Cylindrical

- all-round alloy
- optimal for combination dentures
- suitable for laser welding

Item no.	Unit
401063	1000 g

### Technical specifications

vickers hardness (HV 10)	390
density (g/cm <sup>3</sup> )	8.3
tensile strength (N/mm <sup>2</sup> )	761
0.2-yield strength (N/mm <sup>2</sup> )	609
elongation limit A <sub>5</sub> (%)	6.2
modulus of elasticity (N/mm <sup>2</sup> )	200,000
liquidus point (°C)	1,400
solidus point (°C)	1,340
casting temperature (°C)	1,450

### Composition in %

chrome	31
cobalt	62
molybdenum	5
further elements below 1 %	C, Fe, Mn, Si

# Preparation for ceramic works



## FRAME CLEANER

- cleans and defats metal frames intensively
- prevents the formation of bubbles in the ceramic

Item no.	Unit
702205	500 ml

CE 0510

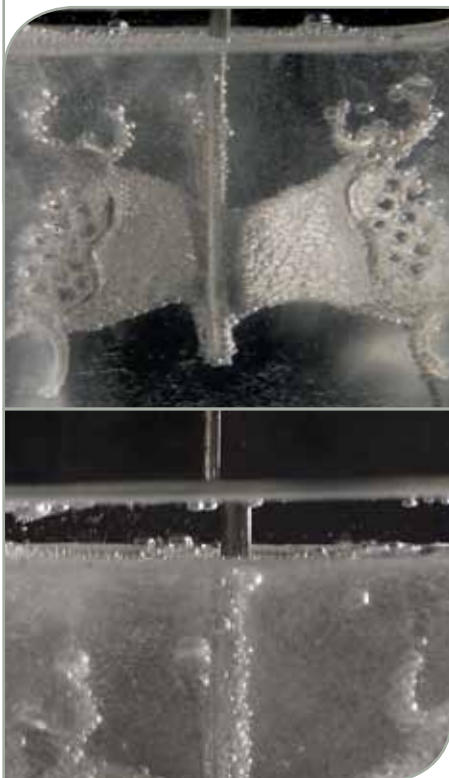
## U-BOND

Universal bonding agent

- prevents the formation of thick oxide layers
- optimizes the bonding of ceramic

Item no.	Unit
990103	2 g

# Polishing



## SHERADAN

Polishing electrolyte

- for brilliant shiny metal surfaces
- quick acting

Item no.	Unit
709050	1 litre

## SHERADECALON

Covering liquid for acids and polishing electrolytes

- stops the emission of acid vapours and odours
- prevents the atmospheric humidity from getting into the hygroscopic electrolyte
- lengthens life span of the electrolyte
- very economical

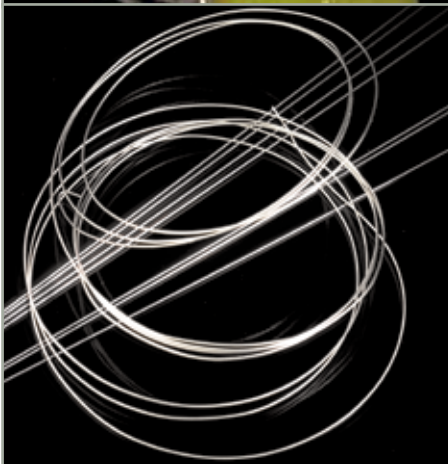
Item no.	Unit
709064	250 ml



## HEAT SHIELDING 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	235 g tube



## LASER WELDING WIRES

### Welding wire

- for chrome casting alloys
- for non-precious alloys
- can be fused

Item no. / Unit	
934301	7 bars of 25 cm (ø 0.5 mm) € 0086
934311	2 metre roll (ø 0.35 mm) € 0344
934321	2 metre roll (ø 0.5 mm) € 0344

### Composition in %

chrome	28
cobalt	65.3
molybdenum	5.5
other	Si, Mn



## SHERALOT-N

€ 0123

### Solder bar

- for all non-precious alloys
- all-purpose
- can be fused

### Composition in %

chrome	29
cobalt	62
molybdenum	4
other	Si, C, Mn

Item no.	Unit
934131	8 bars (approx. 5 g)

### Technical specifications

area of application	before burning
flux	SHERAFLUX NE
color	white
melting point (°C)	1,071 - 1,260
working temperature (°C)	1,320



## SHERAFLUX NE

### Flux

- for high fusing solder
- colour: white
- due to its colour it contrasts well with the soldering object
- does not glare during soldering
- prevents the formation of an oxide layer
- optimizes solder connection

Item no.	Unit
934221	50 ml





**54**

Abrasives



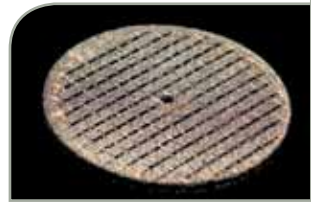
**54**

Occlusion sprays



**56**

Cutting discs



**58**

Polishers



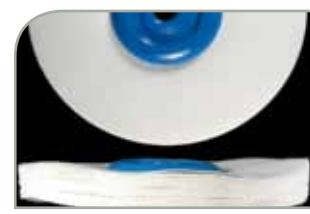
**60**

Polishing agents



**62**

Brushes

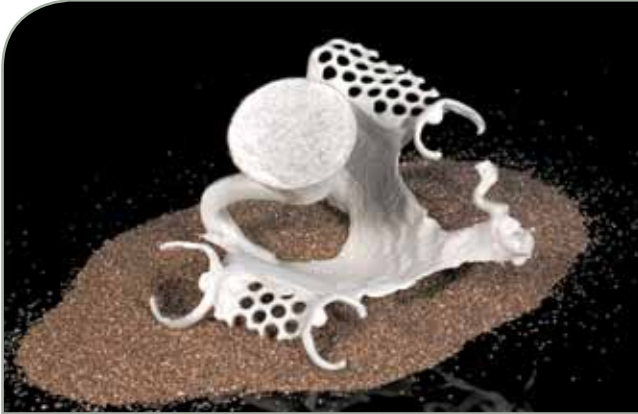


# Finishing

# Abrasives

SHERA abrasives are of the highest standard of quality and degree of purity possible. The hygroscopic abrasives are packed in 5 kg

bags for protection against moisture. The SHERASTRAHLKORUND is delivered in 25 kg boxes.



## SHERASTRAHLKORUND

95 % aluminium oxide

- colour: brown
- graining: 250 µm
- for sandblasting chrome castings
- very hard and sharp-edged
- removes rest of investments quickly

Item no.	Unit
601011	25 kg

## SHERAALUMINIUMOXID

99.7 % aluminium oxide

- colour: white

### Graining:

- 250 µm for chrome castings
- 150 µm/110 µm for precious or non-precious alloy
- 50 µm for precious alloy for ceramic
- 25 µm for ceramic, for smoothing the points where metal and ceramic meet, for going over fissures

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)
602010 (25 µm)	5 kg
603012 (250 µm)	100 kg (4 x 25 kg)
602042 (150 µm)	100 kg (4 x 25 kg)
602032 (110 µm)	100 kg (4 x 25 kg)
602022 (50 µm)	100 kg (4 x 25 kg)

## Occlusion spray



## OKKLU-EXACT

### Occlusion spray

- with very fine metal nozzle
- very 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
- can be used as spray for scanning

Item no.	Unit
914201 (green)	75 ml spray can

CE



## SHERAKOMBI

### Combination abrasive

- colour: white
- graining: 100 – 250 µm
- for sandblasting, smoothing and matt smoothing of chrome castings
- optimized for sandblasting titanium frames
- eliminates the need for shining in an electrolyte bath

Item no.	Unit
605010	5 kg or 20 kg (4 x 5 kg)

## SHERAGLANZSTRAHLPERLEN

### Glass polishing beads

- made from lead free sodium glass
- compress, smooth and polish the metal surface
- non-abrasive

### Graining:

- 125 µm for non-precious alloys
- 50 µm for precious metal, reduced and non-precious alloys

Item no.	Unit
604030 (125 µm)	5 kg or 20 kg (4 x 5 kg)
604020 (50)	5 kg or 20 kg (4 x 5 kg)

## Occlusion spray



## 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
914102 (red)	

CE

# Cutting discs

## STANDARD-LINE



### CUTTING DISCS

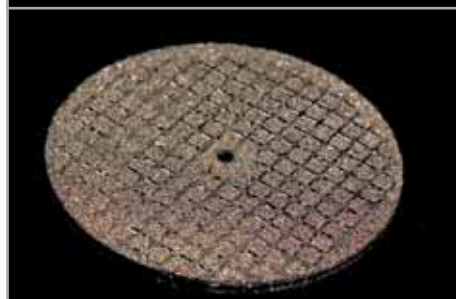
- 22 x 0.6 mm
- for steel and non-precious-metal
- flexible
- long service life
- ⌚ 10,000

<u>Item no.</u>	<u>Unit</u>
970201	100 pieces



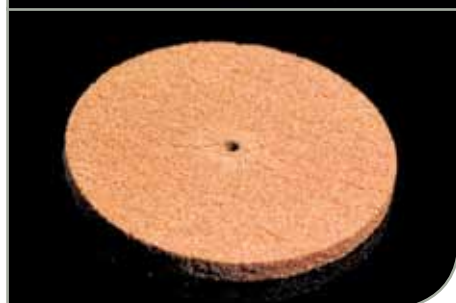
- 22 x 0.3 mm
- for gold
- very economic in price
- flexible
- long service life
- ⌚ 20,000

<u>Item no.</u>	<u>Unit</u>
970103	200 pieces



- 40 x 0.8 mm
- for steel and non-precious-metal
- reinforced with nylon mesh
- long service life
- ⌚ 35,000

<u>Item no.</u>	<u>Unit</u>
970205	10 pieces

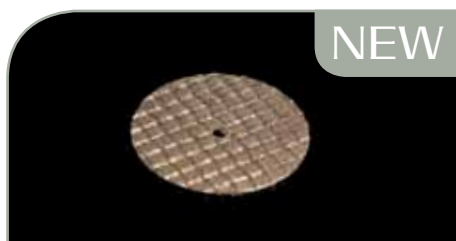


### GRINDING DISCS

- 37 x 3.0 mm
- ⌚ 10,000

<u>Item no.</u>	<u>Unit</u>
970206	25 pieces

## ECO-LINE



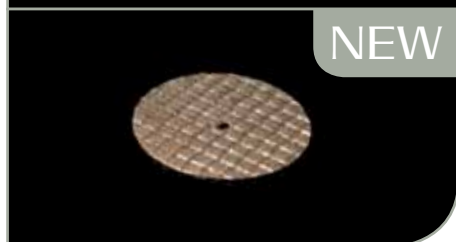
NEW

### DIAMOND CUTTING DISCS

- for ceramic
- glass-fibre reinforced
- high cutting performance

- 20 x 0.25 mm
- ⌚ 50,000

<u>Item no.</u>	<u>Unit</u>
970161	10 pieces

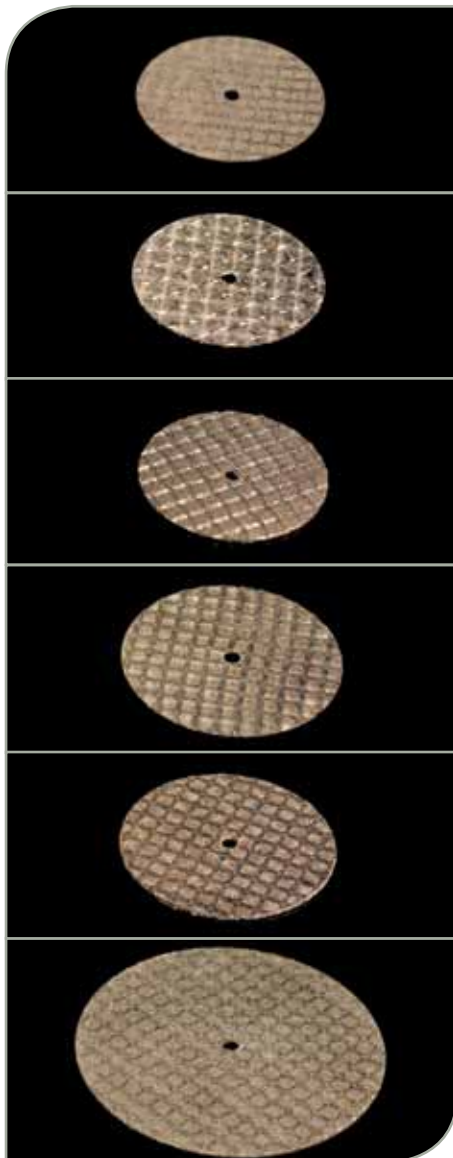


NEW

- 20 x 0.3 mm
- ⌚ 50,000

<u>Item no.</u>	<u>Unit</u>
970163	10 pieces

## ECO-LINE



### CUTTING DISCS

- for all alloys
- glass-fibre reinforced
- good price to performance ratio
- 22 x 0.2 mm
- $\curvearrowright$  50,000

Item no.	Unit
970151	50 pieces

- 22 x 0.3 mm
- $\curvearrowright$  50,000

Item no.	Unit
970153	50 pieces

- 22 x 0.5 mm
- $\curvearrowright$  50,000

Item no.	Unit
970155	25 pieces

- 26 x 0.3 mm
- $\curvearrowright$  50,000

Item no.	Unit
970253	25 pieces

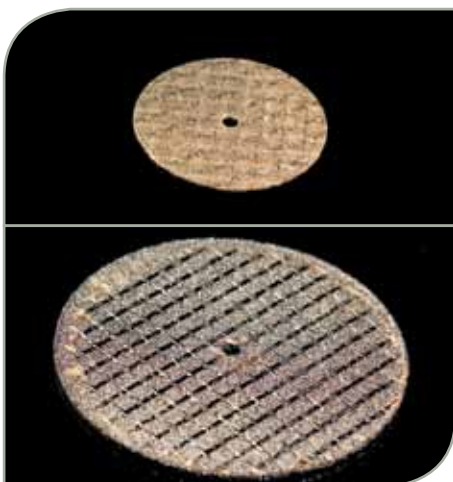
- 26 x 0.5 mm
- $\curvearrowright$  50,000

Item no.	Unit
970254	25 pieces

- 40 x 0.5 mm
- $\curvearrowright$  38,200

Item no.	Unit
970255	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
- $\curvearrowright$  35,000

Item no.	Unit
970110	50 pieces

- 40 x 1.0 mm
- for chrome casting and non-precious-metal
- improved quality with increased cutting power
- low heat development
- extreme long service life
- $\curvearrowright$  35,000

Item no.	Unit
970210	10 pieces



# Polishers

SHERA polishers are of high quality and of different hardnesses as well as granulations. They can individually be used in many ways. Our recommended areas of

application are characterized by the following colours:



## WHEEL WHITE

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

Item no. 950101  
Unit 100 pieces

## WHEEL WHITE

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

Item no. 950113  
Unit 100 pieces

## WHEEL BLUE

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

Item no. 950110  
Unit 100 pieces



## ZIRCONIA POLISHERS

Diamond polishers

### GREEN

- 17 x 2.5 mm  
- pre-polishing  
-  $\curvearrowright$  7,000 - 10,000  
- medium grained

### BROWN

- 17 x 2.5 mm  
- precision polishing  
-  $\curvearrowright$  7,000 - 10,000  
- fine-grained

Item no. [Unit]  
950501 (1 piece) 950502 (1 piece)

## LENS WHITE

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

Item no. 950102  
Unit 100 pieces

## LENS BLUE

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

Item no. 950111  
Unit 100 pieces



## ROLLER WHITE

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

Item no. 950103  
Unit 100 pieces

## ROLLER WHITE

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

Item no. 950114  
Unit 100 pieces

## ROLLER BLACK

Silicone polisher  
-  $\varnothing$  6 mm  
- pre-polishing  
-  $\curvearrowright$  20,000  
- medium grained

Item no. 950107  
Unit 100 pieces





### WHEEL GREEN

- Silicone polisher  
- 22 x 3 mm  
- high-lustre polishing  
-  $\curvearrowright$  20,000  
- fine-grained

Item no. 950403

Unit 100 pieces

### WHEEL BLACK

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

Item no. 950106

Unit 100 pieces

### WHEEL GREY

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

Item no. 950307

Unit 25 pieces



### INTERDENTAL RUBBER POLISHER GREEN

- 22 x 1 mm  
- precision polishing  
-  $\curvearrowright$  10,000  
- fine-grained

Item no. 950304

Unit 25 pieces

### OCCUSAL POLISHER RED

- $\varnothing$  3 mm  
- precision polishing  
-  $\curvearrowright$  20,000  
- medium grained

Item no. 950305

Unit 100 pieces

### OCCUSAL POLISHER BROWN

- $\varnothing$  3 mm  
- pre-polishing  
-  $\curvearrowright$  20,000  
- coarse-grained

Item no. 950109

Unit 100 pieces



### ROLLER GREEN

- $\varnothing$  6 mm  
- precision polishing  
-  $\curvearrowright$  10,000  
- fine-grained

Item no. 950303

Unit 100 pieces

### ROLLER RED

- $\varnothing$  6 mm  
- pre-polishing  
-  $\curvearrowright$  15,000  
- extra coarse-grained

Item no. 950104

Unit 100 pieces

### ROLLER BROWN

- $\varnothing$  7 mm  
- precision polishing  
-  $\curvearrowright$  20,000  
- coarse-grained

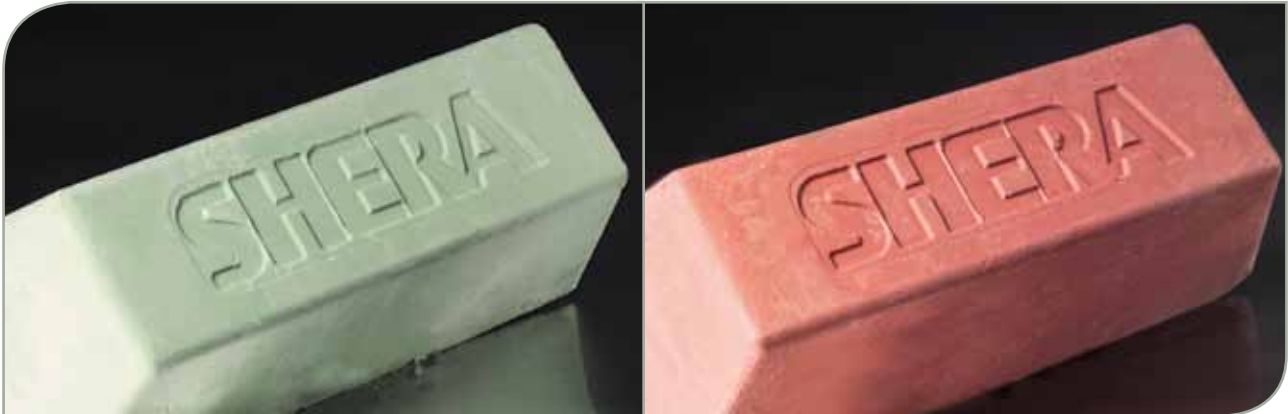
Item no. 950302

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.



## SHERAPOL 701

High-lustre polishing block

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

Item no.	Unit
954101	block of approx. 300 g

## SHERAPOL 704

Pre- and high-lustre polishing block

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

Item no.	Unit
954104	block of approx. 300 g



## SHERALUX 711

High-lustre polishing emulsion

- colour: pink
- for acrylics and alloys
- brilliant high-lustre finish in no time
- seals surfaces
- economic in use

Item no.	Unit
954211	100 ml tube
954212	500 g bottle

## SHERALUX 715

High-lustre polishing cream

- colour: pink
- for acrylics and alloys
- brilliant high-lustre finish in no time
- seals surfaces
- removes small scratches from the acrylic
- economic in use

Item no.	Unit
954215	300 g tub

## SHERABIMSPASTE

Paste for pre-polishing acrylics

- antibacterial
- pleasant smell

Item no.	Unit
954301	5 kg bucket



### SHERAPOL 705

Universal polishing block

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

Item no.	Unit
954105	block of approx. 300 g

### SHERAPOL 706

High-lustre polishing block

- colour: brown
- for all acrylics and composites
- gives a natural shine
- seals surfaces

Item no.	Unit
954106	block of approx. 200 g



### SHERABIMSSTEINPULVER

Pumice powder

- for pre-polishing acrylics and ceramics
- medium grained

Item no.	Unit
954310	5 kg bucket
954311	22.5 kg

### SHERABIMFLUID AB

Mixing liquid for pumice powder

- antibacterial
- pleasant smell
- oily consistency
- protects hands from drying out
- can be diluted with water

Item no.	Unit
709100	1 litre
709101	5 litres

# Brushes



## POLISHING NETTLE CLOTH PLASTIC HUB

- ø 100 mm, 15 layers
- high-value special tissue
- no fraying out
- for high-lustre polishing of metal and acrylic

Item no.	Unit
910405	1 piece

## BRUSH PLASTIC HUB

- ø 80 mm
- three-ply with special tissue and special textile lining
- with pumice powder for pre-polishing of acrylic
- special lining save pumice powder for a quick polishing
- high polishing effectiveness
- ideal for rough surfaces

Item no.	Unit
910105	1 piece

## BRUSH PLASTIC WITH WOODEN HUB

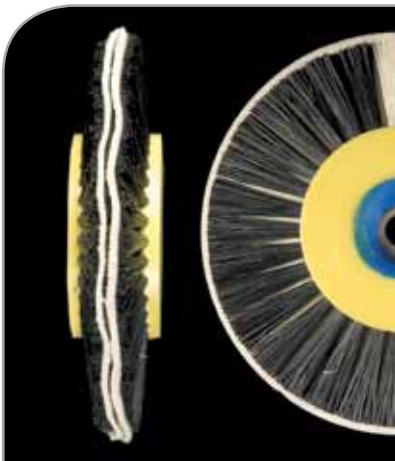
- ø 80 mm
- with special textile lining
- for pre-polishing of acrylics
- for the rational high-lustre polishing of all prosthesis (PMMA) and composites, ceromers, polyglases
- with pumice powder for pre-polishing

Item no.	Unit
910104	1 piece



## TIP

There are „dream couples“ for optimal polishing results! Our laboratory recommends using the plastic brush with wooden hub in combination with SHERABIMSSTEINPULVER and SHERAFLUID AB. The polishing nettle cloth with plastic hub shines with our popular polishing emulsion SHERALUX 711.



**BRUSH**  
**PLASTIC WITH WOODEN HUB**  
 - ø 80 mm  
 - chunking bristles with nettle cloth lining

Item no. 910102  
Unit 1 piece



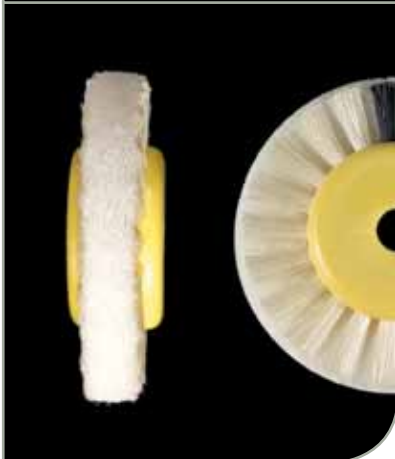
**NETTLE CLOTH BUFFER**  
**WITH PLASTIC HUB**  
 - ø 100 mm, 24 layers  
 - for high-lustre polishing of metals and acrylic

Item no. 910402  
Unit 1 piece



**BRUSH**  
**METAL WITH PLASTIC HUB**  
 - ø 45 mm  
 - black bristles  
 - with special textile lining  
 - for pre-polishing of acrylics

Item no. 910204  
Unit 1 piece



**BRUSH**  
**WITH PLASTIC HUB**  
 - ø 45 mm  
 - with special textile lining  
 - for pre-polishing of acrylics  
 - for the rational high-lustre polishing of all prosthesis (PMMA) and composites, ceromers, polyglasses  
 - with pumice for pre-polishing

Item no. 910201  
Unit 1 piece



# Brushes



## SLIM BRUSH METAL WITH PLASTIC HUB

- ø 48 mm
- black
- chunking bristles
- for polishing crown, bridge and chrome works

Item no. 910209

Unit 1 piece



## SLIM BRUSH METAL WITH PLASTIC HUB

- ø 48 mm
- mottled
- horse's hair
- ideally suited for polishing the interface between acrylic and metal

Item no. 910211

Unit 1 piece



## SLIM BRUSH METAL WITH PLASTIC HUB

- ø 48 mm
- white
- goat's hair
- for polishing acrylics

Item no. 910210

Unit 1 piece

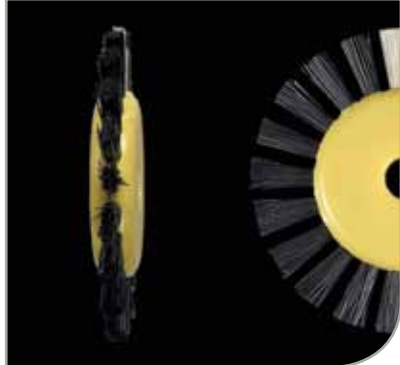


## SLIM BRUSH METAL WITH PLASTIC HUB

- ø 36 mm
- black
- very hard, ground short and pointed
- for hard-to-reach spaces

Item no. 910206

Unit 1 piece



## BRUSH PLASTIC HUB

- ø 45 mm
- black bristles
- especially suitable for polishing interdental spaces as well as final polishing of fine contours of acrylic dentures

Item no. 910205

Unit 1 piece





## BRUSH WITH PLASTIC HUB

- ø 50 mm
- 2 rows
- pointed
- chunking bristles
- for polishing of crown, bridge and chrome works

Item no. 910202

Unit 1 piece



## BRUSH PLASTIC WITH WOODEN HUB

- ø 55 mm
- 3 rows
- pointed
- chunking bristles
- for polishing of crown, bridge and chrome works

Item no. 910203

Unit 1 piece



## BRUSH PLASTIC WITH WOODEN HUB

- ø 65 mm
- 2 rows
- very hard, short and pointed
- chunking bristles
- for polishing of crown, bridge and chrome works

Item no. 910101

Unit 1 piece



## BRUSH WITH WOODEN HUB

- ø 50 mm
- black
- 2 rows
- pointed
- for polishing of acrylics and metals

Item no. 910207

Unit 1 piece



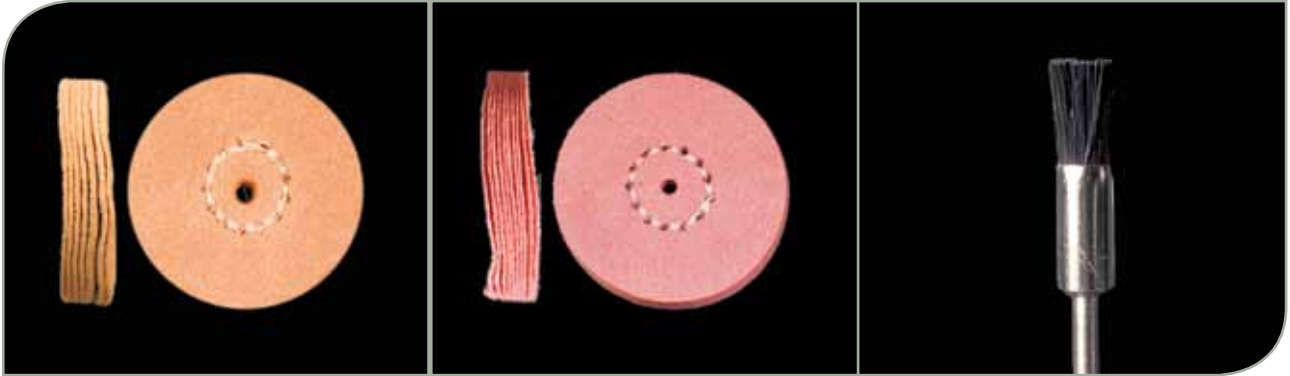
## BRUSH WITH WOODEN HUB

- ø 55 mm
- black
- 3 rows
- pointed
- for polishing of acrylics and metals

Item no. 910208

Unit 1 piece

# Hand piece brushes



## HANDPIECE BRUSH FELT

- 22 x 3 mm
- orange
- for pre-polishing acrylics and veneering composites
- is to be used without polishing paste
- maintains the material structures
- medium grained
- ⌚ 5,000 - 7,000

Item no.	Unit
910318	6 pieces

## HANDPIECE BRUSH FELT

- 22 x 3 mm
- pink
- for high-lustre polishing acrylics and veneering composites
- is to be used without polishing paste
- maintains the material structures
- fine-grained
- ⌚ 5,000 - 7,000

Item no.	Unit
910317	6 pieces

## BRUSH BLACK

- chunking bristles
- ⌚ 10,000

Item no.	Unit
910308	12 pieces



## HANDPIECE BRUSH BLACK

- unmounted
- chunking bristles
- ⌚ 10,000

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

## HANDPIECE BRUSH MOTTLED

- unmounted
- horse's hair
- ⌚ 10,000

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

## HANDPIECE BRUSH WHITE

- unmounted
- goat's hair
- ⌚ 10,000

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

## HANDPIECE BRUSH NETTLE CLOTH DISCS

- unmounted
- ⌚ 8,000 - 12,000

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



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Heat and cold  
cure acrylics



68

Isolating agents



70

Tray material



# Acrylics

# 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 discretely by cold cure acrylic.



## SHERAPRESS

CE 0123

Cold cure acrylic

- for dough and casting technique
- for the production of partial, repair and total dentures
- especially low shrinkage
- malleable phase of approx. 3 minutes

Item no.	Unit
502010 (pink)	1 kg
502020 (pink opaque)	
502030 (clear)	
502040 (pink veined)	
502050 (pink transparent veined)	

## SHERAPRESS-FLEX

CE 0123

Cold cure acrylic

- for dough and casting technique
- for the production of partial, repair and total dentures
- especially low shrinkage
- malleable phase of approx. 20 minutes

Item no.	Unit
502060 (pink)	1 kg

## LIQUID for SHERAPRESS

CE 0123

Item no.	Unit
508020	500 ml
508021	1000 ml

## LIQUID for SHERAPRESS-FLEX

CE 0123

Item no.	Unit
508030	500 ml

# Separating agent



## SHERATEC

Separating agent

- based on alginate
- colour: clear
- 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



## SHERADON

CE 0123

Heat cure acrylic

- for press and injection technique
- for the production of partial, repair and total dentures
- especially low shrinkage
- malleable phase of approx. 20 minutes

Item no.	Unit
501010 (pink)	1 kg
501020 (pink veined)	
501030 (pink transparent veined)	

## SHERAORTHOMER

CE

Cold cure acrylic

- for dough and casting technique
- for orthodontic work
- hardens homogeneously
- very durable
- exceptionally stable

Item no.	Unit
504010	1 kg

## LIQUID for SHERADON

CE 0123

Item no.	Unit
508010	500 ml

## LIQUID for SHERAORTHOMER

CE

Item no.	Unit
508040 (pink)	500 ml
508050 (clear)	

## Denture cleaner



## SHERAFINISH

CE

Acrylic denture cleaner

- for finishing dentures
- cleans acrylic dentures
- binds any traces of residual monomer
- gives a great shine to the appliance and leaves a pleasant, fresh taste

Item no.	Unit
990101	75 ml spray can



# Tray material



CE

## LIGHT CURE TRAY MATERIAL

### Tray material

- pre-formed sheets
- for production of individual trays
- easy to adapt
- highly dimensionally stable
- reduced capacity to absorb water

Item no.	Unit
505081 (blue opaque UJ)	50 sheets
505082 (blue transp. UJ)	
505083 (pink opaque UJ)	
505084 (pink transp. UJ)	
505085 (ecru UJ)	



CE

## SHERATRAY

### Tray material

- for the production of individual trays
- for base plates for bite registration
- for try-ins
- easy to mix and to process
- tear-resistant, highly dimensionally stable
- reduced capacity to absorb water

Item no.	Unit
505010 (blue)	1 kg
505030 (yellow)	
505040 (green)	
505050 (white)	

## LIQUID for SHERATRAY

Item no.	Unit
508080	500 ml

CE

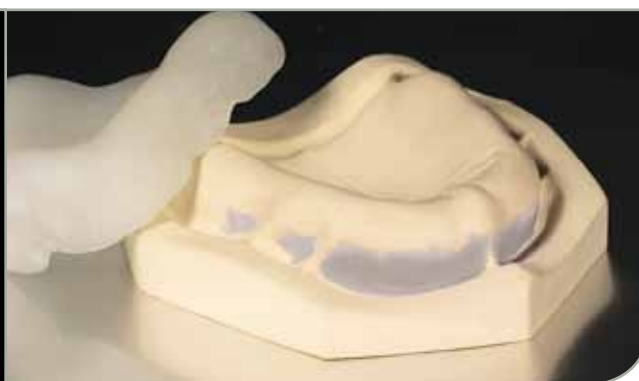


## SHERALÖFFEL-FLUID

### Cleaning fluid for light cure tray materials

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

Item no.	Unit
702225	500 ml



## SHERABLOCK

### Block-out material

- for undercuts, trays and impressions
- to fill in approximal spaces
- even suitable as a spacer
- reusable

Item no.	Unit
990102	1 kg





72  
Cleaning agents



73  
Skin care



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Brushes



# Miscellaneous

## Cleaning agents



### SHERASONIC

Environmentally friendly ultrasonic cleaner

- for laboratories, surgeries, offices and households
- concentrate, can be diluted 1:10 with water
- cleans all materials
- very effectively
- does not corrode metal surfaces
- biodegradable

Item no.	Unit
702100	1 litre
702101	5 litres

### SHERASON 925

Ultra sonic cleaner

- for laboratories, surgeries, offices and households
- concentrate, can be diluted 1:10 with water
- cleans all materials
- very effectively
- does not corrode metal surfaces

Item no.	Unit
702050	1 litre
702051	5 litres



### SHERASON 927

Denture cleaner

- removes tartar, cements, stones/plasters, investments, oxides and fluxing agents
- 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

### 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



### SHERACLEAN 50

Cream hand wash

- with fresh apple fragrance
- colour: green
- very mild and nurturing
- pH-neutral
- phosphate and formaldehyde-free
- biodegradable

Item no.	Unit
932101	5 litres

### SHERACLEAN 100

Cream hand wash

- neutral fragrance
- colour: vanilla
- mild and nurturing
- moisturising
- phosphate and formaldehyde-free
- biodegradable

Item no.	Unit
932201	1 litre incl. pump
932202	10 litres

### SHERACLEAN 150

Cream hand wash for very dirty hands

- with citrus fragrance
- colour: vanilla
- mild and nurturing
- with skin-friendly special sloughing agents
- soap-free
- very effectively
- phosphate and formaldehyde-free
- biodegradable

Item no.	Unit
932305	500 ml
932301	2.5 litres
932302	5 litres



### SHERACARE

High-quality and rich skin care cream

- skin calming, replenishing and moisturizing
- quickly absorbed
- very economic in use
- for all skin types

Item no.	Unit
932410	50 ml airless dispenser

### PROTECTODERM

Hand protection cream

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

Item no.	Unit
932401	100 ml
932402	1000 ml incl. pump

### PUMP for 2.5 litres bottle SHERACLEAN 150

Item no.	Unit
992103	1 piece

# Brushes



## SHERAKOLINSKY ERGOLINE

Brushes for ceramic layering

- high quality Kolinsky brushes
- convex-formed brush with fine stable tip
- ergonomic triangular handle

Item no.	Unit
946220 (size 00)	1 piece
946221 (size 0)	
946222 (size 2)	
946224 (size 4)	
946226 (size 6)	
946228 (size 8)	



## OPAKER BRUSH

Kolinsky brush flat

Item no.	Unit
946302 (size 2)	1 piece



## 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)	





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Milling machines



**82**

Milling discs



**84**

Milling burs &  
 accessories

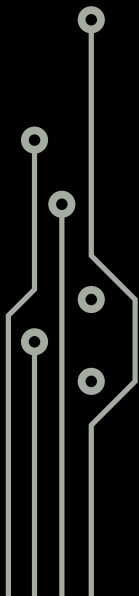


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Further devices



**SHERA**digital





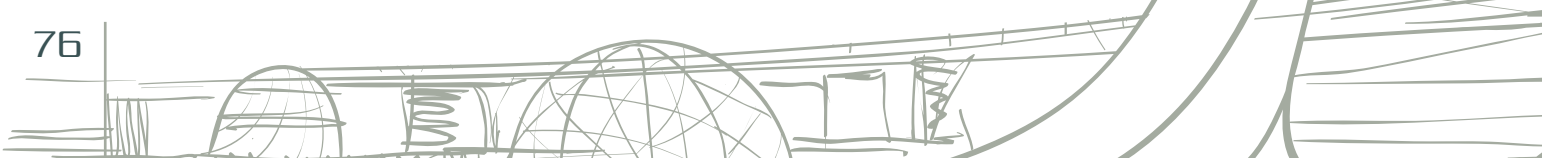
## SHERAdigital

The core products of the SHERAdigital product line are the economic digital milling machines of the SHERAeco-mill range. SHERA's motto „Plug & Play“ stands for the simple processing of this modern technology which has become particularly attractive and rewarding for small and medium sized laboratories. The similarities of the milling machines SHERAeco-mill 40, 50 and 80 are: they are small and intuitively to operate, very economic and work extremely precise.

The product line SHERAdigital is part of an open system which can be composed and extended individually. Thus you will stay flexible and free. A scanner, a suction device, a sintering furnace as well as the suitable milling tools and excellent milling discs complete the SHERAdigital programme. You can select the devices as well as the consumables to your individual needs. In doing so you can optimize the processes in your laboratory by using SHERA's know how.

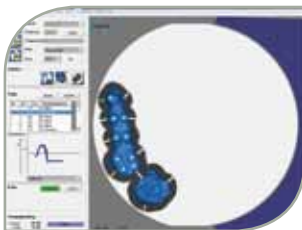
## CAM milling SHERAeco-mill

- milling machines for processing zirconium oxide, PMMA resin, wax and composite
- 4 axis dry processing
- easy to use and intuitively to operate
- highest precision and excellent surfaces due to quality spindles (Jäger)
- great smoothness of running and extremely accurate due to micro-step motors
- small, quick and economical





## Optimized software



SHERAeco-mill CAM was especially developed further for the needs of dental technicians. While calculating the milling strategy the software considers different parameters as type of material, kind of work and aimed quality. Based on this evaluation the motion and the spindle's number of rotation are especially adjusted. The positive results about it: improved quality, protected milling burs and reduced working time.

- data processing in the open STL format
- without any annual license fee
- easy and intuitive operation
- CAM software which has especially been developed further by dental technicians
- tool and material library for dental use

## Technical support

Even if the technology is modern our service is still conventional, i.e. that you will not find a call centre at SHERA. We prefer being there for you live and in real. For example, in order to offer a course for you and your customers about stones and investments or to make a presentation with the SHERAeco-mill milling machines.

If you prefer you are also welcome to visit us here at SHERA in order to get an introduction for the SHERAdigital line. Just call us or send us an email!



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## SHERAeco-mill 40

- milling machine with manual tool change
- without compressed air
- measurements: approx. 400 x 385 x 410 mm  
(w x d x h)
- weight: approx. 50 kg

Item no.	Unit
801001	1 piece



## Switching unit PSW 01

- automatic switching unit between milling machine and suction device
- possible complement for SHERAeco-mill 40 and SHERAeco-mill 50

Item no.	Unit
801055	1 piece



SHERA<sup>®</sup>  
eco-mill 40



## SHERAeco-mill 50

- milling machine with automatic tool change station (6 tools)
- compressed air (7 bar)
- measurements: approx. 400 x 385 x 410 mm (w x d x h)
- weight: approx. 50 kg

Item no.	Unit
801003	1 piece

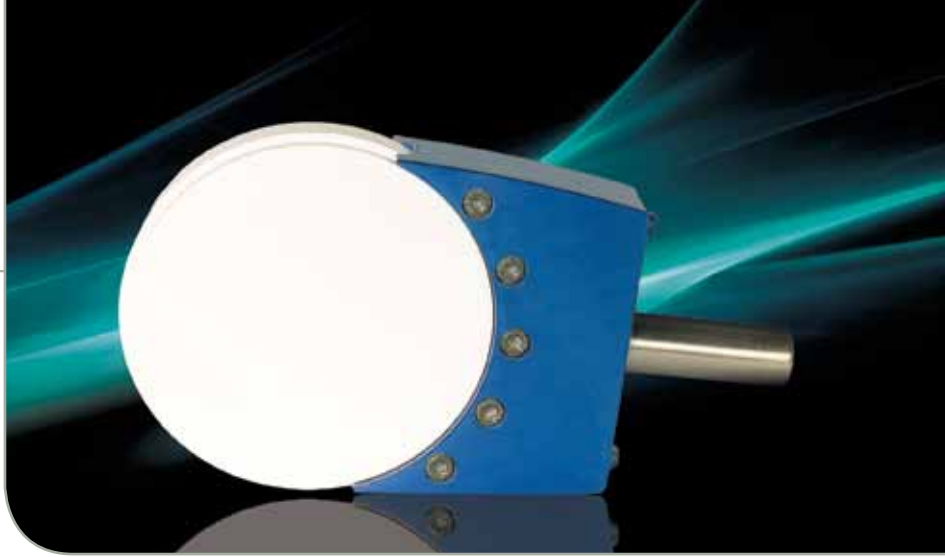
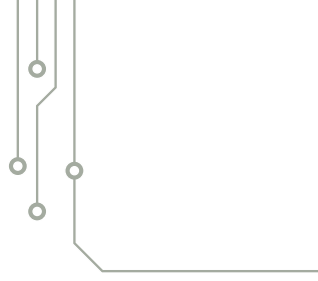


## Switching unit PSW 01

- automatic switching unit between milling machine and suction device
- possible complement for SHERAeco-mill 40 and SHERAeco-mill 50

Item no.	Unit
801055	1 piece





## SHERAeco-mill 80

- milling machine with automatic tool change station (5 tools)
- compressed air (8 bar)
- pneumatic collect chuck for a quick exchange of the clamping device
- measurements: approx. 620 x 530 x 515 mm (w x d x h)
- weight: approx. 80 kg

Item no.	Unit
801005	1 piece



# Comparison of technical data

## SHERAeco-mill 40    SHERAeco-mill 50    SHERAeco-mill 80

		open system without annual license fees (data processing in STL format) / 4 axis dry processing / for processing zirconium oxide, PMMA, wax and composite		
		without air pressure	compressed air: 7 bar	compressed air: 8 bar
General information	(x/y/z) positioning range	100 x 100 x 40 mm	100 x 100 x 40 mm	120 x 90 x 70 mm
	Drive	precision ball screw spindles for the 3 linear axes with 4 mm lead, motor resolution < 1 µm, ground steel precision guide rails		precise ball screw spindles for the 3 linear axes with 2.5 mm lead, motor resolution < 1 µm, ground steel precision guide rails
	Repetition accuracy	± 0.005 mm	± 0.005 mm	± 0.003 mm
	Housing	complete encapsulation of working area with closable front cover, front lid switch (when opened, the machine switches into the halt mode)		complete encapsulation of working area with closable front cover and additional encapsulation of spindle and tool change during the machining process
	Working area illumination	yes	yes	yes
	Measurements (w x d x h)	approx. 400 x 385 x 410 mm	approx. 400 x 385 x 410 mm	approx. 620 x 530 x 515 mm
	Weight	approx. 50 kg	approx. 50 kg	approx. 80 kg
Rotary axis	Features	rotary axis with highest true running accuracy for processing workpieces on their full circumference of 360 degrees, harmonic drive free from backlash with circular spline diameter 40 mm		rotary axis with highest true running accuracy for processing workpieces on their full circumference of 360 degrees, harmonic drive free from backlash with circular spline diameter 60 mm
	Axis measurement	automatic measurement of rotary axis and automatic axis compensation for absolutely exact results		
	Clamping device	integrated fixing device for blanks with a ø of 98.5 mm and a thickness of 10 to 26 mm		pneumatic collet chuck for exchanging the fixing devices, provided fixing devices for blanks with a ø of 98.5 mm and a thickness of 10 to 26 mm, incl. 2 clamping devices
Controller	Features	Type CNC 300: great smoothness of running, powerful and accurate due to microstep operation, high processing speed due to exponential acceleration ramps, Look-ahead feature for continuous velocity along the path, synchronic interpolation of 4 axes		
Spindle	Features	high frequency spindle SF 170, nominal power under constant load (S1): 170 W, maximum power output (Pmax): 240 W, rotational speed range up to 60,000 RPM, radial deviation at internal cone of the precision shaft < 1 µm	high frequency spindle SF 170P, nominal power under constant load (S1): 170 W, maximum power output (Pmax): 240 W, rotational speed range up to 60,000 RPM, radial deviation at internal cone of the precision shaft < 1 µm, blocking air prevents entering of foreign substances in the bearing area	
	Tool change	manual with quick clamping device for tools of 3 mm shanking diameter, tool length detection, tool breakage monitoring	automatic tool change station for tools of 3 mm shank diameter, 6 tools with automatic length detection, tool breakage and air pressure monitoring	automatic tool change station for tools of 3 mm shank diameter, 5 tools with automatic length detection, tool breakage and air pressure monitoring for automatic tool change station
Dust extraction	Features	openings in the rear panel of the working area for dust extraction, connector for hose at the side of the housing, 24 Volt output for connecting the switching unit		extensive hole plate in working area for an efficient dust extraction, connector for hose at the side of the housing, automatically controlled 230 Volt outlet for an external suction unit
Software	Software	CAM-Software especially for dental use, tool and material library, control software included for easy outbound of CAM files (minimal screen resolution 1440 x 900 or more)		





## High quality milling discs from SHERA

### SHERAeco-disc PM

CE 0123

- made of pure poly methyl methacrylate (PMMA)
- for the milling production of temporary crowns and bridge frameworks
- very easy to mill
- $\varnothing$  98.5 mm, with step

Item no.	Unit 1 piece			
height	clear	A2	A3	B1
20 mm	803010-20	803012-20	803013-20	803016-20
25 mm	-	803012-25	803013-25	803016-25

### SHERAcad-wax

- CAM wax block
- hard, very good machinability
- burns without residues
- dropping-point at 120°C
- $\varnothing$  98.50 mm, height 20 mm

Item no.	Unit
974950 (beige)	1 piece

### SHERAeco-disc ZR

CE 0123

- made of yttrium stabilized, pre-sintered zirconium oxide
- for the milling production of crowns and bridge frameworks
- excellent biocompatibility
- high strength and edge stability
- very easy to mill
- constant shrinkage during firing process
- $\varnothing$  98.5 mm

Item no.	Unit 1 piece	
height	opaque	translucent
10 mm	802100-10 (without step)	802101-10 (without step)
14 mm	802110-14 (with step)	802111-14 (with step)
18 mm	802110-18 (with step)	802111-18 (with step)
22 mm	802110-22 (with step)	802111-22 (with step)
25 mm	802110-25 (with step)	802111-25 (with step)

Tip

SHERAALEOS-DISC

You find high value non-precious milling discs on page 47!







## Pressing TSM Acetal Dental® CE 0546

- made of acetal technopolymer
- for the milling production of crowns and bridge frameworks
- ideal for allergic patients
- excellent biocompatibility
- high abrasion resistance and impact strength
- optimal tensile strength
- high elastic store
- low heat conductivity
- ø 98.5 mm, height 20 mm

Item no. (Colour)	Unit
803411-20 (A1)	1 piece
803413-20 (A3)	
803417-20 (B2)	

**NEW**

CE 0123

## SHERAeco-color ZR

Staining solution for presintered zirconium oxide

- based on water without acids or oily substances
- does not corrode metal instruments, heating elements of the sintering furnace nor working places
- is quickly and deeply absorbed by the zirconium
- no colourless areas or spots when cutting the sintering drops, connecting bars, or similar
- simple to dilute with distilled water in case of too high colour intensity
- can be used with any kind of yttria-stabilized zirconium dioxide ceramics
- available in 16 VITA classic colours

Item no. (Colour)	Unit
809300-A1 (A1)	100 ml
809300-A2 (A2)	
809300-A3 (A3)	
809300-A35 (A3.5)	
809300-A4 (A4)	
809300-B1 (B1)	
809300-B2 (B2)	
809300-B3 (B3)	
809300-B4 (B4)	
809300-C1 (C1)	
809300-C2 (C2)	
809300-C3 (C3)	
809300-C4 (C4)	
809300-D2 (D2)	
809300-D3 (D3)	
809300-D4 (D4)	





# Suitable milling burs from SHERA

## SHERAeco-tool Dental milling burs

- special long free grinding for milling finest details even in case of large immersion depths
- super micro-grain hard metal mixture
- high edge strength
- high wear resistance and toughness
- special coating for zirconium oxide and composites



**SHERAeco-tool ZR**  
Dental milling bur for zirconium oxide with special coating

Item no.	Unit
809006 (ø 0.6 mm)	1 piece
809010 (ø 1.0 mm)	
809020 (ø 2.0 mm)	



**SHERAeco-tool CF**  
Dental milling bur for composites with special coating

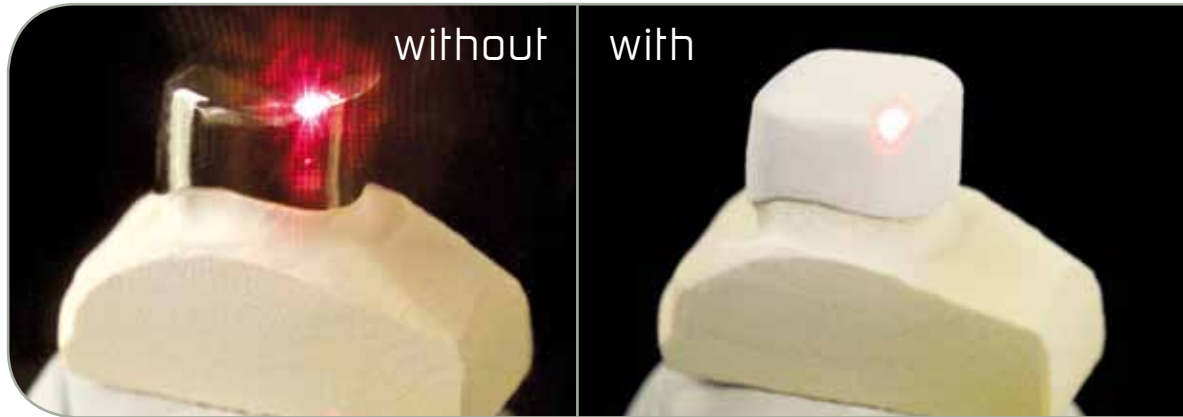
Item no.	Unit
809106 (ø 0.6 mm)	1 piece
809110 (ø 1.0 mm)	
809120 (ø 2.0 mm)	



**SHERAeco-tool WP**  
Dental milling bur for wax and PMMA

Item no.	Unit
809206 (ø 0.6 mm)	1 piece
809210 (ø 1.0 mm)	
809220 (ø 2.0 mm)	

# Suitable accessories from SHERA



**NEW**

## SHERAscanspray

- extraoral scan-use
- for optimal scans of models
- micro fine powder
- very fine atomised spray
- prevents the reflection of the surface
- colour: white

Item no.	Unit
914500	200 ml spray can



**NEW**

## SHERAscans-wax

- modelling and block out wax for the CAD/CAM technique
- laser and light opaque

Item no.	Unit
974960 (beige)	45 g tub





## Scanner of the latest generation

We are always testing which scanner offers the best results. We keep to the best technical solution offering the optimum of price to performance ratio. We are always pleased to answer your questions regarding the most suitable scanner. Feel free to contact us.

## Zubler V6000

- suction unit especially for zirconium dust
- low-noise and space saving
- measurements: 200 x 650 x 600 mm (w x d x h)

Item no.	Unit
801050	1 piece



## SHERA furnace ZR

- sintering furnace for zirconium and dental ceramics up to 1,600°C
- up to 45 units per sintering process
- easy handling due to touch screen
- 6 free selectable presets with up to 20 segments (individually programmable: heating up, cooling down and holding time)
- rapid firing is possible (maximum temperature of 1,600°C available in 30 minutes)
- good temperature homogeneity
- high-quality processing
- measurements: 450 x 660 x 390 mm (w x d x h)

Item no.	Unit
801020	1 piece



## Nabertherm HTCT 01/16

- sintering furnace for zirconium and dental ceramics up to 1,600°C
- premium Nabertherm quality
- up to 45 units per sintering process
- easy handling
- 9 programme memory capacities each with 20 ramp/soak pairs
- rapid firing is possible (maximum temperature available in 40 minutes)
- double-wall stainless steel case for low outside temperatures and high stability
- measurements: 340 x 460 x 300 mm (w x d\* x h)  
\*opened + maximum 200 mm

Item no.	Unit
801025	1 piece



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# Notes





# Notes

A large grid of graph paper for taking notes, consisting of 30 columns and 30 rows of small squares.





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