



circon[®]

CELTRA
DUO

3shape 

Laboratory

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* Lead times may apply on equipment.

For better dentistry

DENTSPLY

When DENTSPLY talks 3shape

We like to be Open and Honest



Compatible
with Cercon[®] ht, Compartis[®]
and Atlantis[™]

With a 3shape you can achieve in minutes what once took hours

The crown and bridge world has changed. No longer is it an option to have a CAD/CAM scanner - it's a necessity. And when it comes to scanners, you can't go past the 3shape.

DENTSPLY recognises investing in a 3shape is no small undertaking. That's why you should deal with a company you can trust. Our scanners are open via STL output, open to in-house CAM and remote milling centres, and open to customised material files.

Call DENTSPLY now for a quotation or an obligation free demonstration.
When DENTSPLY talks 3shape we like to be Open and Honest.

Laboratory

CAD/CAM Technology



All 3shape equipment sales include two days of training and 24/5 support.

DENTSPLY 3shape scanners are pre-connected to Compartis® Australia and Compartis Germany. Other milling centre connections are available upon request.

Product Code

CAD/CAM Scan & Design

The crown and bridge world has changed. No longer is it an option to have a CAD CAM scanner it's a necessity. And when it comes to scanners, you can't go past the 3shape. With a 3shape, achieve in minutes, what once took hours.

Investing in a 3shape is no small undertaking. That's why you should future proof your business with an open scanner capable of sending jobs to any open milling centre or inhouse CAM equipment.

When DENTSPLY talks 3shape we like to be Open and Honest.

3shape Scanner Models

A scanner features comparison table can be found at www.dentsply.com.au/CADCAM

3shape Scanner D900	5355490001
3shape Scanner D810	5355470001
3shape Scanner D800	5355460001
3shape Scanner D710	5355450001
3shape Scanner D700	5355440001
3shape Scanner D500	5355480001

All scanners include the following:

3shape software including PC & 1 year licence [^] (Dental Designer Premium)*	5355400001
3shape dongle	5355401034
3shape STL generator	5355410050
3shape keyboard	MST8517

Software modules

3shape Impression Scan Module	5355410012
3shape Abutment Design Module	5355410030
3shape Implant Supported Bar Design Module	5355410070
3shape Removable Prosthetics Design Module	5355410080
3shape Model Builder Module	5355410100

Accessories and upgrades

3shape Dental Designer extra PC (includes Dental Designer Premium Licence)	5355410011
3shape 3D explorer mouse	5355440104
Scan body scan spray	5323710102

[^]All 3shape software and modules incur annual licence fees charged by 3shape.

*The 3shape scanner D500 comes with Dental Designer Standard. An upgrade to Dental Designer Premium is available (5355410022).

CAD/CAM Technology

Product Code

CAD/CAM Dry Milling



Brain® XPERT
For ht zirconia, wax and PMMA

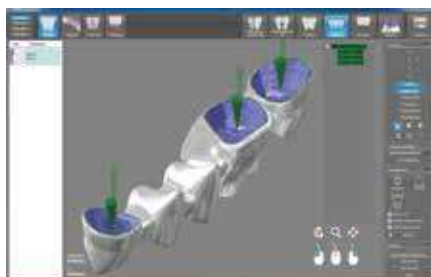
The third generation of CAM equipment from DENTSPLY has everything required for high volume, high quality CAM production. It is also possible to set up as a milling service for other laboratories with such key features as:

- Manual nesting capabilities for optimal materials usage
- The ability to import files from other scanners and
- 0.5mm cutting tools for milling highly detailed anatomy

Indications:

- Cercon® zirconia frameworks
- Cercon/ht zirconia anatomical teeth and frameworks
- Cercon/ht zirconia customised abutments
- Cercon/ht bridges
- CAD wax and
- PMMA provisionals

(see materials on page page 239)



Hardware	
Brain XPERT Milling Machine	5355680001
Brain XPERT CAM PC	5355370001
Cercon Clean Extraction unit for Brain XPERT	5355590010

Software	
Brain Xpert Pro Cam Licence Upgrade	5355680021

Cutting tools	
Zirconia bur 0.5mm	5355580104
Zirconia bur 1.0mm	5355580101
Zirconia bur 2.0mm	5355580102
Zirconia bur 3.0mm	5355580103

PMMA bur 0.5mm	5355580114
PMMA bur 1.0mm	5355580111
PMMA bur 2.0mm	5355580112
PMMA bur 3.0mm	5355580113

Laboratory

CAD/CAM Technology

Product Code



CAD/CAM Wet Grinding

Brain® MC XL
For Crypton® CAD Cobalt Chrome and CELTRA®.

The new Brain MC XL wet grinds Crypton CoCr and CELTRA zirconia reinforced lithium silicate at top speed with minimal fuss. An integrated cleaning system helps avoid mess, and means you can work your machine harder via faster material changeovers.

CAD/CAM Sinter Furnaces

Heat Duo Sintering Furnace for Crypton CAD Cobalt Chrome and Cercon® Zirconia.

- Features speed sintering programs
- Applicable to most brands of zirconia

Heat Duo Furnace for Cercon Zirconia
Heat Duo Furnace for Cercon Zirconia
(Crypton CAD CoCr upgrade)

5355670003
5355670102

Heat Duo Furnace for Crypton CAD CoCr
Heat Duo Furnace for Crypton CAD CoCr
(Cercon Zirconia upgrade)

5355670001
5355670103



The Ultimate Inhouse CAD/CAM Solution

Together, DENTSPLY's CAD/CAM equipment and software provide all required to create a full service commercial milling centre. Inquire now for a free quote.



Crown & Bridge Materials

Product Code



CAD/CAM Materials

For use in the Brain MC XL

CELTRA® DUO / CAD^{FC}

Zirconia reinforced lithium silicate

DENTSPLY's new zirconia reinforced lithium silicate represents the new DNA of high strength glass ceramics. Its unique material composition delivers a level of opalescence and fluorescence not seen in other crown and bridge materials. These outstanding aesthetics combined with high strength and rapid processing makes CELTRA the new choice for all clinicians and technicians.

CAD blocks (packs of 4)	CELTRA DUO for Cerec™ and inLab™*	CELTRA CAD ^{FC} For BRAIN MC XL
CELTRA LT A1, C14	5365411005	5365410005
CELTRA LT A2, C14	5365411015	5365410015
CELTRA LT A3, C14	5365411025	5365410025
CELTRA LT A3.5, C14	5365411035	5365410035
CELTRA LT B2, C14	5365411065	5365410065
CELTRA HT A1, C14	5365411205	5365410205
CELTRA HT A2, C14	5365411215	5365410215
CELTRA HT A3, C14	5365411225	5365410225

CELTRA DUO / CAD^{FC} Stains and Glazes

CELTRA Glaze LF	D601322
CELTRA Stain LF Stain 0	D601500
CELTRA Stain LF Stain 1	D601501
CELTRA Stain LF Stain 2	D601502
CELTRA Stain LF Stain 3	D601503
CELTRA Stain LF Stain 4	D601504
CELTRA Stain LF Violet	D601505
CELTRA Stain LF Stain L1	D601511
CELTRA Stain LF Stain L2	D601512
CELTRA Stain LF White	D601520
CELTRA Stain LF Creme	D601521
CELTRA Stain LF Sunset	D601522
CELTRA Stain LF Copper	D601523
CELTRA Stain LF Khaki	D601524
CELTRA Stain LF Olive	D601525
CELTRA Stain LF Mahogany	D601526
CELTRA Stain Universal Stain & Glaze Liquid 50ml	D601350
CELTRA Stain Universal Stain & Glaze Liquid 15ml	D601315
DENTSPLY All Ceramic Etch & Neutraliser 100ml	D430491

*Cerec™ and InLab™ are registered trade marks of Sirona Dental Systems GmbH LIMITED LIABILITY COMPANY.

Laboratory

Crown & Bridge Materials

Product Code

Cercon®

Presintered high translucency and base zirconia. Available for the Brain XPERT and industrial milling machines accepting 98mm discs.^



Cercon ht white disc	15mm	5366090415
	20mm	5366090420
	25mm	5366090425
	30mm	5366090430
Cercon ht light disc	15mm	5366080615
	20mm	5366080620
	25mm	5366080625
	30mm	5366080630
Cercon ht medium disc	15mm	5366080715
	20mm	5366080720
	25mm	5366080725
	30mm	5366080730
	15mm	5366080215
	30mm	5366080230
Cercon base medium disc	15mm	5366080315
	30mm	5366080330
Cercon base White disc	20mm	5366080020
Cercon base coloured disc	15mm	5366080115
	20mm	5366080120
	25mm	5366080125

^Contact clientservices@dentsply.com for 98mm disc part numbers.

Crown & Bridge Materials

Product Code

Cercon® PMMA

Cercon PMMA disc

A3	20mm	5366121320
A3	25mm	5366121325
B1	20mm	5366122120
B1	25mm	5366122125
B2	20mm	5366122220
B2	25mm	5366122225
BL2	20mm	5366124220
BL2	25mm	5366124225

Cercon® Resin

For casting and pressing techniques

Cercon cast disc

20mm	5366130020
25mm	5366130025

Cercon® Wax

For casting and burnout techniques

Cercon Wax

20mm	5366100020
25mm	5366100025

Laboratory

Crown & Bridge Stains and Veneers

Product Code



Cercon® ht Stains and Ceramics

Method 1: Staining in the sintered stage with the Cercon ht body base set

Cercon ht body base stains are developed for full contour Cercon ht crowns and bridges. Achieve all 16 vita shades by applying the correct recipe of stains with the appropriate ht material. The stains are designed to be both delicate and stable, for easy application without pooling.

Cercon ht body base set 5367390123

Each kit comprises:

Cercon Body Base A-B, 12g	5367361902
Cercon Body Base C-D, 12g	5367361912
Cercon Body Match 1, 12g	5367361922
Cercon Body Match 2, 12g	5367361932
Cercon Glaze, 12g	5367363502
Cercon Dark Brown Stain, 4g	5367361561
Cercon Pink Stain, 4g	5367361681
Ducera Liquid, 50ml	5368274614

Cercon ht stain recipe available on request.



Method 2: Ceramic veneer in the sintered stage

Two ranges of ceramic dentins are available specifically for building up on Cercon ht frameworks. These are designed for optimal translucency and shade. Choose the Cercon Kiss or Cercon Love set.

Cercon Kiss ht Dentin Set 5367190121

Each kit comprises:

Cercon Kiss ht Dentin A1 20g	5367111703
Cercon Kiss ht Dentin A2 20g	5367111713
Cercon Kiss ht Dentin A3 20g	5367111723
Cercon Kiss ht d ht A3.5 20g	5367111733
Cercon Kiss ht Dentin A4 20g	5367111743
Cercon Kiss ht Dentin B1 20g	5367111753
Cercon Kiss ht Dentin B2 20g	5367111763
Cercon Kiss ht Dentin B3 20g	5367111773
Cercon Kiss ht Dentin B4 20g	5367111783
Cercon Kiss ht Dentin C1 20g	5367111793
Cercon Kiss ht Dentin C2 20g	5367111803
Cercon Kiss ht Dentin C3 20g	5367111813
Cercon Kiss ht Dentin C4 20g	5367111823
Cercon Kiss ht Dentin D2 20g	5367111833
Cercon Kiss ht Dentin D3 20g	5367111843
Cercon Kiss ht Dentin D4 20g	5367111853



Crown & Bridge Stains and Veneers

	Product Code
Cercon® Ceram Love ht Dentin Kit	5367290121
Each kit comprises:	
Cercon Ceram Love ht Dentin ht A1, 20g	5367211803
Cercon Ceram Love ht Dentin ht A2, 20g	5367211813
Cercon Ceram Love ht Dentin ht A3, 20g	5367211823
Cercon Ceram Love ht Dentin ht A3.5, 20g	5367211833
Cercon Ceram Love ht Dentin ht A4, 20g	5367211843
Cercon Ceram Love ht Dentin ht B1, 20g	5367211853
Cercon Ceram Love ht Dentin ht B2, 20g	5367211863
Cercon Ceram Love ht Dentin ht B3, 20g	5367211873
Cercon Ceram Love ht Dentin ht B4, 20g	5367211883
Cercon Ceram Love ht Dentin ht C1, 20g	5367211893
Cercon Ceram Love ht Dentin ht C2, 20g	5367211903
Cercon Ceram Love ht Dentin ht C3, 20g	5367211913
Cercon Ceram Love ht Dentin ht C4, 20g	5367211923
Cercon Ceram Love ht Dentin ht D2, 20g	5367211933
Cercon Ceram Love ht Dentin ht D3, 20g	5367211943
Cercon Ceram Love ht Dentin ht D4, 20g	5367211953

Laboratory

Crown & Bridge Stains and Veneers



Cercon Ceram love Basic Kit 5367290001

Includes:

- 13 x 3ml Paste Liner
- 24 x 20g Dentine
- 3 x 20g Enamel
- 1 x 20g Transpa Clear
- 1 x 20g Add-On Porcelain
- 1 x 20g Glaze
- 1 x 50ml Carving Liquid SD
- 1 x 50ml Carving Liquid Blend
- 1 x 2ml Paste Opaque Liquid
- 1 x 15ml Carving Liquid
- 2 x Shade Indicator
- 1 x Ceramic Brush
- 1 x Paste Opaque Brush
- 1 x Sponge love
- 1 x Towel love
- 1 x Mixing plate
- 1 x Portioner

Product Code

Cercon® Ceram love Basic Kit

Paste Liner		3ml
	PL1	5367203000
	PL2	5367203010
	PL3	5367203020
	PL4	5367203030
	PL5	5367203040
	PL6	5367203060
	PL7	5367203080
	PL8	5367203110
	PL9	5367203120
	PL10	5367203150
	PL11	5367203170
	PL12	5367203180
	PL13	5367203200

Dentine		20g
	DE1	5367211303
	DE2	5367211313
	DE3	5367211323
	DE4	5367211333
	DE5	5367211343
	DE6	5367211353
	DE7	5367211363
	DE8	5367211503
	DE9	5367211523
	DE10	5367211543
	DE11	5367211563
	DE12	5367211583
	DE13	5367211623
	DE14	5367211653
	DE15	5367211663
	DE16	5367211673
	DE17	5367211683
	DE18	5367211693
	DE19	5367211703
	DE20	5367211713
	DE21	5367211723
	DE22	5367211733
	DE23	5367211743
	DE24	5367211753

Enamel		20g
	E1	5367221503
	E2	5367221523
	E3	5367221543

Transpa Clear		20g
	TC	5367223003
	Add-On Porcelain (Corrector)	5367237003
	Glaze	5367263503

Crown & Bridge Stains and Veneers



Cercon Ceram love Aesthetic Kit 5367290002

Includes:

- 2 x 20g Opal Enamel
- 5 x 20g Shoulder Porcelain
- 5 x 20g Final Shoulder Porcelain
- 5 x 20g Opal Effect
- 1 x 20g White Surface
- 2 x 20g Flu Inside
- 1 x 20g Grey Inside
- 1 x 20g Stand by
- 4 x 20g Intensive Dentine
- 2 x 20g Gum Dentine
- 1 x 20g Transpa Red
- 1 x 20g Add-On Porcelain
- 1 x 3ml Paste Liner Gum
- 1 x 3ml Paste Liner Intensive Orange
- 1 x 50ml Carving Liquid SD
- 1 x 50ml Carving Liquid Blend
- 1 x 15ml Carving Liquid Quick
- 1 x 2ml Paste Opaque Liquid
- 3 x Shade Indicator
- 1 x Ceramic Brush
- 1 x Paste Opaque Brush
- 1 x Sponge love
- 1 x Towel love
- 1 x Mixing plate

Product Code

Cercon® Ceram love Aesthetic Kit

Paste Liner		3ml
Gum		5367203210
Intensive Orange		5367203560

		20g
Flu Inside 1	Flu 1	5367217003
Flu Inside 2	Flu 2	5367217053
Grey Inside	GI	5367217103
Dentine	Gum 1	5367219003
Dentine	Gum 2	5367219013
White Surface	WS	5367223013
Stand by		5367223023
Transpa Red	TR	5367223033

Opal Effect		20g
	OE Sunrise	5367227003
	OE Sunset	5367227023
	OE Sky	5367227033
	OE Ocean	5367227043
	OE Fog	5367227053

Opal Enamel		20g
	OE1	5367227503
	OE2	5367227513
	Correction	5367237003

Shoulder Porcelain		20g
	SM1	5367241003
	SM2	5367241013
	SM3	5367241023
	SM4	5367241033
	SM5	5367241083

Final Shoulder Porcelain		20g
	F SM1	5367241043
	F SM2	5367241053
	F SM3	5367241063
	F SM4	5367241073
	F SM5	5367241093

Intensive Dentine		20g
	ID0	5367255043
	ID1	5367255003
	ID2	5367255013
	ID3	5367255023
	ID4	5367255033

Laboratory

Crown & Bridge Stains and Veneers



Cercon Ceram love Stain Kit 5367290113

Includes:

- 9 x 4g Stain
- 3 x 4g Body Stain
- 1 x 20g Glaze
- 1 x 15ml Carving Liquid
- 1 x Shade Indicator
- 1 x Sponge love



Cercon Ceram love Bleach Kit 5367290191

Includes:

- 2 x 3ml Paste Liner Bleach
- 4 x 20g Dentine Bleach
- 2 x 20g Enamel Bleach
- 1 x 20g Shoulder Porcelain Bleach
- 1 x 50ml Carving Liquid SD
- 1 x 15ml Carving Liquid Quick
- 1 x Shade Indicator
- 1 x Paste Opaque Brush

Cercon® Ceram love Stain Kit

Product Code

Stain		4g
White		5367261511
Strato		5367261521
Apricot		5367261531
Taiga		5367261551
Dark Brown		5367261561
Pink		5367261571
Ivory		5367261621
Peach		5367261631
Amber		5367261651

Body Stain		4g
	3	5367261831
	5	5367261851
	7	5367261871

Glaze		20g
	7	5367263503

Cercon® Ceram love Bleach Kit

Paste Liner		3ml
	BL1/BL2	5367203220
	BL3/BL4	5367203230

Dentine		20g
	BL1	5367211223
	BL2	5367211233
	BL3	5367211243
	BL4	5367211253

Enamel		20g
	BL1/BL2	5367221623
	BL3/BL4	5367221633

Shoulder Porcelain Bleach		20g
	BL	5367241223

Crown & Bridge Stains and Veneers

Product Code

Duceram® love Basic Kit



Duceram love Basic Kit 5360590001

Includes:

- 13 x 3ml Paste Opaque
- 24 x 20g Dentine
- 3 x 20g Enamel
- 1 x 20g Transpa Clear
- 1 x 20g Correction
- 1 x 20g Glaze
- 1x 4ml NE-Bonder Paste
- 1 x 50ml Carving Liquid SD
- 1 x 50ml Carving Liquid Blend
- 1 x 2ml Paste Opaque Liquid
- 1 x 15ml Carving Liquid
- 2 x Shade Indicator
- 1 x Ceramic Brush
- 1 x Paste Opaque Brush
- 1 x Sponge love
- 1 x Towel love
- 1 x Mixing plate
- 1 x Portioner

Paste Opaque	3ml
P01	5360503000
P02	5360503010
P03	5360503020
P04	5360503030
P05	5360503040
P06	5360503060
P07	5360503080
P08	5360503110
P09	5360503120
P010	5360503150
P011	5360503170
P012	5360503180
P013	5360503200

Dentine	20g
DE1	5360511303
DE2	5360511313
DE3	5360511323
DE4	5360511333
DE5	5360511343
DE6	5360511353
DE7	5360511363
DE8	5360511503
DE9	5360511523
DE10	5360511543
DE11	5360511563
DE12	5360511583
DE13	5360511623
DE14	5360511653
DE15	5360511663
DE16	5360511673
DE17	5360511683
DE18	5360511693
DE19	5360511703
DE20	5360511713
DE21	5360511723
DE22	5360511733
DE23	5360511743
DE24	5360511753

Enamel	20g
E1	5360521503
E2	5360521523
E3	5360521543

Transpa Clear	20g
TC	5360523003
Correction	5360537003
Glaze	5360563503

NE-Bonder Paste	4ml
	5360503160

Laboratory

Crown & Bridge Stains and Veneers



Duceram love Aesthetic Kit 5360590002

Includes:

- 2 x 20g Opal Enamel
- 5 x 20g Shoulder Porcelain
- 5 x 20g Final Shoulder Porcelain
- 5 x 20g Opal Effect
- 1 x 20g White Surface
- 2 x 20g Flu Inside
- 1 x 20g Grey Inside
- 1 x 20g Stand by
- 4 x 20g Intensive Dentine
- 2 x 20g Gum 1 Dentine
- 1 x 20g Transpa Red
- 1 x 3ml Paste Opaque Gum
- 1 x 3ml Paste Opaque Intensive Orange
- 1 x 50ml Carving Liquid SD
- 1 x 50ml Carving Liquid Blend
- 1 x 15ml Carving Liquid Quick
- 1 x 2ml Paste Opaque Liquid
- 3 x Shade Indicator
- 1 x Ceramic Brush
- 1 x Paste Opaque Brush
- 1 x Sponge
- 1 x Towel
- 1 x Mixing plate

Product Code

Duceram® love Aesthetic Kit

Paste Liner	3ml
Gum	5360503210
Intensive Orange	5360503560

Flu Inside 1	20g	5360517003
Flu Inside 2		5360517053
Grey Inside		5360517103
Dentine Gum 1		5360519003
Dentine Gum 2		5360519013
White Surface		5360523013
Stand by		5360523023
Transpa Red		5360523033

Opal Effect	20g	
OE Sunrise		5360527003
OE Sunset		5360527023
OE Sky		5360527033
OE Ocean		5360527043
OE Fog		5360527053

Opal Enamel	20g	
OE1		5360521503
OE2		5360521523

Shoulder Porcelain	20g	
SM1		5360541003
SM2		5360541013
SM3		5360541023
SM4		5360541033
SM5		5360541043

Final Shoulder Porcelain	20g	
FM1		5360541053
FM2		5360541063
FM3		5360541073
FM4		5360541083
FM5		5360541093

Intensive Dentine	20g	
ID0		5360555043
ID1		5360555003
ID2		5360555013
ID3		5360555023
ID4		5360555033

Crown & Bridge Stains and Veneers



Duceram love Stain Kit 5360590113

Includes:

- 9 x 4g Stain
- 3 x 4g Body Stain
- 1 x 20g Glaze
- 1x 15ml Carving Liquid
- 1x Shade Indicator
- 1x Sponge love



Duceram love Bleach Kit 5360590191

Includes:

- 2 x 3ml Paste Opaque Bleach
- 4 x 20g Dentine Bleach
- 2 x 20g Enamel Bleach
- 1 x 20g Shoulder Porcelain Bleach
- 1 x 50ml Carving Liquid SD
- 1 x 15ml Carving Liquid Quick
- 1 x Shade Indicator
- 1 x Paste Opaque Brush

Product Code

Duceram® love Stain Kit

Stain		4g
White		5360561511
Strato		5360561521
Apricot		5360561531
Taiga		5360561551
Dark Brown		5360561561
Pink		5360561571
Ivory		5360561621
Peach		5360561631
Amber		5360561651

Body Stain		4g
3		5360561831
5		5360561851
7		5360561871

Glaze		20g
		5360563503

Duceram® love Bleach Kit

Paste Opaque		3ml
BL1/BL2		5360503220
BL3/BL4		5360503230

Dentine		20g
BL1		5360511223
BL2		5360511233
BL3		5360511243
BL4		5360511253

Enamel		20g
BL1/BL2		5360521623
BL3/BL4		5360521633

Shoulder Bleach		20g
BL		5360541223

Duceram® love NE-Bonder

NE-Bonder Powder	20g	75g
	5360500503	5360500505
NE-Bonder Paste	4ml	
	5360503160	

Laboratory

Crown & Bridge Stains and Veneers

Product Code



Cercon Ceram Kiss full set 5367190131

Includes:

- 19 x 3ml Paste Liner PL A1-D4, Bleach, Gum, Intensive Orange
- 17 x 20g Dentine D A1-D4, Bleach
- 2 x 20g Flu Inside, Flu 1, Flu 2
- 2 x 20g Dentine Gum 1, 2
- 6 x 20g Incisal S 1-S 6
- 6 x 20g Power Chroma PC 1-PC 6
- 5 x 20g Opal Effect Sunrise, Sunset, Sky, Ocean, Fog
- 2 x 20g Opal Incisal OS 1, OS 2
- 1 x 20g Stand by
- 1 x 20g White Surface
- 1 x 20g Transpa Clear
- 1 x 20g Add-On Final Kiss
- 5 x 20g Shoulder Porcelain SM 1-SM 5
- 5 x 20g Final Shoulder Porcelain F SM, 1-F SM 5
- 8 x 4g Stain Amber, Strato, Aricot, Dark Brown, Ivory, Peach, Taiga, White
- 1 x 20g Glaze
- 1 x 15ml Carving Liquid Quick
- 1 x 50ml Carving Liquid SD
- 1 x 50ml Carving Liquid Form
- 2 x 2ml Paste Opaque Liquid
- 1 x 15ml Stain Liquid
- 6 x Shade Indicator Opaque, Base, Opal, Shoulder, Power, Gingiva
- 1 x Portioner
- 1 x Magic Wizard Brush
- 1 x Magic Opaque Brush
- 1 x Kiss Towel Black

Cercon® Ceram Kiss

Cercon Ceram Kiss is a veneering ceramic developed especially and exclusively for zirconium oxide frameworks. Cercon Ceram Kiss has been comprehensively tested and released for all marketable zirconium oxide framework materials with the CTE of 9.5 and composition of Cercon base.

Paste Liner	3ml
A1	5367103000
A2	5367103010
A3	5367103020
A3.5	5367103030
A4	5367103040
B1	5367103050
B2	5367103060
B3	5367103070
B4	5367103080
C1	5367103090
C2	5367103100
C3	5367103110
D2	5367103130
D3	5367103140
D4	5367103150
Bleach	5367101200
Gum	5367103200
Intensive Orange	5367103560

Dentin	20g
DA1	5367111503
DA2	5367111513
DA3	5367111523
DA3.5	5367111533
DA4	5367111543
DB1	5367111553
DB2	5367111563
DB3	5367111573
DB4	5367111583
DC1	5367111593
DC2	5367111603
DC3	5367111613
DC4	5367111623
DD2	5367111633
DD3	5367111643
DD4	5367111653
Bleach	5367111203
Gum 1	5367119003
Gum 2	5367119013

Flu Inside	20g
Flu 1	5367117003
Flu 2	5367117053

Crown & Bridge Stains and Veneers



Product Code

Cercon® Ceram Kiss (continued)

Incisal	20g
S1	5367121503
S2	5367121513
S3	5367121523
S4	5367121533
S5	5367121543
S6	5367121553
Power Chroma	20g
PC1	5367155003
PC2	5367155013
PC3	5367155023
PC4	5367155033
PC5	5367155043
PC6	5367155053
Opal effect	20g
Sunrise	5367127003
Sunset	5367127023
Sky	5367127033
Ocean	5367127043
Fog	5367127053
Opal Incisal	20g
OS1	5367127503
OS2	5367127513
Stand by	5367123023
White Surface WS	5367123013
Transparent	20g
Clear TC	5367123003
Corrector	5367137003
Shoulder Margin	20g
SM1	5367141003
SM2	5367141013
SM3	5367141023
SM4	5367141033
SM5	5367141043
Final Shoulder Margin	20g
FSM1	5367141053
FSM2	5367141063
FSM3	5367141073
FSM4	5367141083
FSM5	5367141093

Laboratory

Crown & Bridge Stains and Veneers



Cercon Ceram Stain Kit 5367190113

Includes 4g each:

- 16 x Stain White; Yellow; Orange; Strato; Honey; Mango; Apricot; Ivory; Peach; Caramel; Amber; Taiga; Terra; Dark Brown; Grey; Black
- 9 x Body Stain 1-9
- 1 x Glaze
- 1 x 15ml Stain Liquid
- 1 x Shade Indicator

Product Code

Cercon® Ceram Kiss Stains

Stain		4g
White		5367161511
Apricot		5367161531
Taiga		5367161551
Dark Brown		5367161561
Grey		5367161571
Yellow		5367161581
Orange		5367161591
Honey		5367161601
Mango		5367161611
Peach		5367161631
Caramel		5367161641
Amber		5367161651
Terra		5367161661
Black		5367161671

Body Stain		4g
1		5367161811
2		5367161821
3		5367161831
4		5367161841
5		5367161851
6		5367161861
7		5367161871
8		5367161881
9		5367161891

Glaze		20g
		5367163503

Ducera Stain Liquid		50ml
		5368274614

Crown & Bridge Stains and Veneers

Product Code

Cercon® Ceram Kiss Bleach Shade Kits

4 bleach shades for perfectly white & bright restorations for the range of Kiss ceramics. All kits include Liner, Shoulder, Dentine & Incisal Porcelains, Mixing Liquids, Brush and Universal Shade Indicator.



Cercon Ceram Kiss Bleach Shade Kit		5367190191
		3ml
Cercon Kiss Paste Liner BL1 & 2		5367101220
Cercon Kiss Paste Liner BL3 & 4		5367101230
Dentine Bleach		20g
	BL1	5367111223
	BL2	5367111233
	BL3	5367111243
	BL4	5367111253
Dentine Incisal Bleach		20g
	BL1 & 2	5367121623
	BL3 & 4	5367121633
Margin Bleach		20g
		5367141223
Cercon Ceram Kiss Bleach Shade guide		5368307270

Laboratory

Crown & Bridge Stains and Veneers

Product Code



Duceram Kiss Assortment

With paste opaques 5360990131

With powder opaques 5360990132

Includes:

- 16 x 3ml Paste Opaque PO A1–D4
- 1 x 3ml Paste Opaque Gum
- 1 x 3ml Paste Opaque Bleach
- 1 x 3ml Paste Opaque Intensive Orange
- 1 x 3ml Paste Opaque Neutral
- 16 x 20g Dentine D A1–D D4
- 6 x 20g Incisal S 1–S 6
- 6 x 20g Power Chroma PC 1–PC 6
- 5 x 20g Opal Effect OE Sunrise, Sunset, Sky, Ocean, Fog
- 2 x 20g Flu Inside Flu 1 and 2
- 2 x 20g Opal Incisal OS 1 and 2
- 1 x 20g Stand by
- 1 x 20g White Surface
- 1 x 20g Add-On Porcelain Final Kiss
- 5 x 20g Shoulder Porcelain SM 1–5
- 5 x 20g Shoulder Porcelain F SM 1–5
- 1 x 20g Dentine Bleach
- 2 x 20g Gum 1 and 2
- 1 x 20g Transpa
- 1 x 15ml Carving Liquid Quick
- 1 x 50ml Carving Liquid SD
- 1 x 15ml Carving Liquid Form
- 1 x 50ml Carving Liquid Form
- 2 x 2ml Paste Opaque Fluid
- 1 x Kiss Towel Black
- 6 x Shade Indicator Opaque, Base, Opal, Shoulder, Power, Gingiva
- 1 x Magic Opaque Paste Opaque Brush
- 1 x Magic Wizard Ceramic Brush
- 1 x Portioner

Duceram® Kiss

Duceram Kiss provides you the ability to create a personal level of aesthetics that fits the structure and capabilities of the dental laboratory. With only 73 powders, Duceram Kiss sets the standard in functional ceramics.

Paste opaque	3ml
A1	5360903000
A2	5360903010
A3	5360903020
A3.5	5360903030
A4	5360903040
B1	5360903050
B2	5360903060
B3	5360903070
B4	5360903080
C1	5360903090
C2	5360903100
C3	5360903110
C4	5360903120
D2	5360903130
D3	5360903140
D4	5360903150
Gum	5360903200
Intensive Orange	5360903560
Bleach	5360901200

Powder opaque	20g
OA1	5360901003
OA2	5360901013
OA3	5360901023
OA3.5	5360901033
OA4	5360901043
OB1	5360901053
OB2	5360901063
OB3	5360901073
OB4	5360901083
OC1	5360901093
OC2	5360901103
OC3	5360901113
OC4	5360901123
OD2	5360901133
OD3	5360901143
OD4	5360901153
Bleach	5360901203
Intensive Orange	5360900523
NE Bonder	5360900503

Crown & Bridge Stains and Veneers

Product Code

Duceram® Kiss (continued)



Duceram®
Keep it simple and safe.

KISS

Dentin	20g
A1	5360911003
A2	5360911013
A3	5360911023
A3.5	5360911033
A4	5360911043
B1	5360911053
B2	5360911063
B3	5360911073
B4	5360911083
C1	5360911093
C2	5360911103
C3	5360911113
C4	5360911123
D2	5360911133
D3	5360911143
D4	5360911153
Bleach	5360911203
Gum 1	5360919003
Gum 2	5360919013

Incisal	20g
S01	5360921503
S02	5360921513
S03	5360921523
S04	5360921533
S05	5360921543
S06	5360921553

Transparent	20g
Clear	5360923003

Shoulder Margin	20g
SM1	5360941003
SM2	5360941013
SM3	5360941023
SM4	5360941033
SM5	5360941043

Final Shoulder Margin	20g
FSM1	5360941053
FSM2	5360941063
FSM3	5360941073
FSM4	5360941083
FSM5	5360941093

Power Chroma	20g
PC1	5360955003
PC2	5360955013
PC3	5360955023
PC4	5360955033
PC5	5360955043
PC6	5360955053

Laboratory

Crown & Bridge Stains and Veneers



Product Code

Duceram® Kiss (continued)

Flu Inside	20g
Flu 1	5360917003
Flu 2	5360917053
Opal effect	20g
Sunrise	5360927003
Sunset	5360927023
Sky	5360927033
Ocean	5360927043
Fog	5360927053
Opal incisal	20g
OS1	5360927503
OS2	5360927513
White Surface	5360923013
Stand By	5360923023
Duceram Kiss correction	20g
	5360937003

Crown & Bridge Stains and Veneers



Product Code

Duceram® Kiss Bleach Shades

Duceram Kiss Bleach Shade Kit		20g	5360990191
Paste Opaque		3ml	
	BL1 & 2		5360901220
	BL3 & 4		5360901230
Dentine		20g	
	BL1		5360911223
	BL2		5360911233
	BL3		5360911243
	BL4		5360911253
Incisal		20g	
	BL1 & 2		5360921623
	BL3 & 4		5360921633
	Margin		5360941223
Bleach shade guide			5368302170

A-D Shade Guide

The A-D Shade Guide is the most reliable measurement system for manual shade taking. The shade tabs are made of ceramic to match all details of the natural tooth during shade taking. The shade guide is available with the common 16 shades and is easy to extend with the 4 bleach shades to complete the shade guide.

Shade Guide Basic	5368300010
Shade Guide Bleach	5368300012



Laboratory

Crown & Bridge Stains and Veneers

Product Code



C & B Liquids

Liquids are available to enhance the handling characteristics of each ceramic material.

Blend	15ml	5368272063
	50ml	5368272064
	250ml	5368272065
	500ml	5368272066
OCL Universal	250ml	5368271015
	500ml	5368271016
SD form	50ml	5368272034
	250ml	5368272035
	500ml	5368272036
SD quick	50ml	5368272044
	250ml	5368272045
	500ml	5368272046
SD	50ml	5368272054
	250ml	5368272055
	500ml	5368272056
SM special	15ml	5368273003
Paste Opaque Liquid	2ml	5368270500
Isolation sep (for high & low fusing)	10ml	5368273512
LFC die adhesive	4ml	5368274501
Ducera stain liquid	50ml	5368274614
Ducera (NE) Bonder liquid	50ml	5368271514



Instruments



Spatula DE wax 5 62017122



Braunwarth ceramic brush

Large Magic	5369001540
Magic Stain	5369001550
Magic Opaquer	5369001560

Crown & Bridge Investments

Product Code



Deguvest® Impact

- Carbon-free, phosphate-bonded, plaster-free special investment compound for the entire range of precious metal casting technology.
- Can be used for conventional and high-speed heating.
- 100 x 60g powder only

Deguvest Impact 100 x 60g powder 5325530011

Special liquid 1350ml Pink 5325400114



Deguvest® GF

- Carbon-free, phosphate-bonded, plaster-free precision investment compound for the entire range of precious metal casting technology.
- 100 x 60g powder only

Deguvest GF 5325520001

Deguvest liquid 1350ml Blue 5325400014



Deguvest® F

- Phosphate-bonded, plaster-free and low-casting precision investment compound for the entire range of precious metal casting technology.
- 100 x 60g powder only

Deguvest F 5325070036

Deguvest liquid 1350ml Blue 5325400014



Special liquid 1350ml Pink 5325400114

Deguvest liquid 1350ml Blue 5325400014



Soldering Investments

Deguvest® L
Precision soldering investment with ideal expansion properties. Easy to mold and trim despite extreme heat resistance.

Deguvest L 2kgs 5325080001

Technical data	
Total linear expansion up to 700 °C	approx. 1.2%
Compressive strength after 2 hours	3.5 N/mm ²
Working time range	3–4 min

Laboratory

Crown & Bridge Casting Materials

Product Code



Waxit®

Waxit Surface tension reducing agent for waxes and silicones designed to improve casting and model surfaces. Also available as an environmentally friendly pump spray.

Waxit Surface tension reducer (1 litre)	5325180013
Waxit pump spray 145ml	5325180017

Crucibles

Degutron crucibles

Both crucible types come in as singles and suitable for the Degutron Eco.



Degutron crucible	5351350106
Degutron crucible with graphite insert	5351350105
1. Universal melting crucible - for Precious alloys	5323510054
2. Special melting crucible - for non-Precious alloys	5323510055
3. Graphite crucibles 10pk (Multicast Compact)	5323510068
4. Ceramic crucibles 10pk (Multicast Compact)	5323510069

Ceramic crucible for Degutron Eco with Graphite Insert	5351350105
Ceramic crucible for Degutron Eco	5351350106

Crown & Bridge Precious Metals

Product Code



Precious Metals

Degudent has successfully developed and improved dental metal alloys for nearly a century. DENTSPLY's ongoing research programs ensure biocompatibility, aesthetics and usability of our products are always of the highest standards. For a complete Degudent dental alloy chart please contact DENTSPLY.

High Gold Ceramic Alloys

Biocclus® 4

Biocclus N

Biocclus HT

Degudent® G

Degudent H

Degudent U

*available in 10g or 25g packs

Alloys for ceramics within Golden Gate system veneerable with Duceragold® and Duceragold Kiss

Degunorm®

Degunorm Supra

Degunorm Eco

Degunorm Logic

*available in 10g or 25g packs

Direct casting alloys veneerable with Duceragold and Duceragold Kiss

Degudent LTG

Degulight®

Gold reduced alloys for ceramics

Deva 4 Guss

Degubond® 4

Degudor®

*available in 10g or 25g packs

Palladium based alloys for ceramics

Degupal® G

Pors-on® 4

Degustar® F

*available in 10g or 25g packs

High Gold C&B alloys

Degulor® C

Degulor M

Biolor® SG

Biocclus® Inlay

*available in 10g or 25g packs

Gold reduced C&B alloys

Stabilor® G

Stabilor® NF IV

Silver-Palladium Alloys

Palliag® M

*available in 10g or 25g packs

Laboratory

Crown & Bridge Precious Metals

Product Code

High-fusing veneering ceramics/Precious-metal Alloys

BiOclus® 4

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	85.8	11.0	-	-	-	-	0.5	1.7	Rh: 0.7	Ta: 0.3	14.2	14.5	1040-1140	1303 0121 / Degudent® solder G 1	1305 0121 / Solder DG 750



BiOclus N

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	85.6	11.9	-	-	-	-	1.6	-	Ir: 0.1/ Rh: 0.2	Nb: 0.4/ Fe: 0.2	14.4	14.6	1040-1115	1303 0121 / Degudent solder G 1	1305 0121 / Solder DG 750



BiOclus HT

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	85.4	12.0	-	-	-	-	1.8	-	Ir: 0.1/ Rh: 0.4	Nb: 0.1/ Fe: 0.2	14.5	14.7	1055-1130	1303 0121 / Degudent solder G 1	1305 0121 / Solder DG 750



Degudent G

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	86.0	10.4	-	-	-	-	-	1.5	Rh: 1.6	Ta: 0.5	14.5	14.7	1045-1140	1303 0121 / Degudent solder G 1	1305 0121 / Solder DG 750



Single-surface fillings;
Multi-surface fillings;
onlays, partial crowns and crowns



Multi-surface fillings; crowns,
bridges of smaller span width
(if bridge cross-section is sufficient)



Multi-surface fillings;
crowns; milled units; bridges
of any span width



Partial denture with clasp



Larger connector



Superstructures



Golden Gate
System

Crown & Bridge Precious Metals

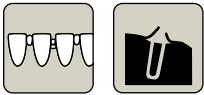
Product Code

High-fusing veneering ceramics/Precious-metal Alloys

Degudent® U

Degudent U was introduced in 1967 and is a well proven classic among the high-gold, low-expansion alloys. It is characterised by its excellent distortion resistance, allowing this alloy to be used in restorations ranging from single crowns all the way to implant superstructures.

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
White	77.3	9.8	8.9	1.2	0.3	0.5	-	1.5	Rh: 0.1	Re: 0.2/ Fe: 0.2	13.8	14.0	1150-1260	1302 0221 / Degudent solder U1W, 1302 0121 / Degudent solder U1, 1301 0121 / Degudent solder N 1	1210 0122 / Degulor® solder 2, 1210 0222 / Unilot 2



Degudent H

Degudent H is a classic PFM-alloy that has been on the market since 1977. Thanks to its high gold content, it is bright yellow in colour and furthermore has a high distortion resistance. In this way, it combines an aesthetic appearance with a broad range of indications.

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Light Yellow	84.4	8.0	5.0	-	-	-	-	2.5	-	Ta: 0.1	14.2	14.4	1150-1260	1301 0121 / Degudent solder N 1, 1301 0221 / Degudent solder N1W	1210 0222 / Unilot 2, 1210 0122 / Degulor-solder 2



Alloys for ceramics within Golden Gate system venerable with Duceragold Kiss

Degunorm®

Degunorm is the multi-indication alloy within the GoldenGate System®, suitable for a broad range of different indications. Long-term experience has shown that Degunorm can be used for restorations ranging from inlays all the way to cobalt chrome dentures. This is also the alloy from which the prosthetic elements of the multi-CON® series are made.

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	73.8	9.0	-	9.2	4.4	-	2.0	1.5	Ir: 0.1	-	16.7	16.8	900-990	1228 0125 / Degunorm Lot 880 spool, 1228 0122 / Degunorm-solder 880 stripes	1228 0123 / Degunorm solder 700 spool, 1228 0121 / Degunorm solder 700 stripes



Laboratory

Crown & Bridge Precious Metals

Product Code

Degunorm® supra

Degunorm supra can be used for wide-span or implant-supported restorations that are highly aesthetic and safe. Its palladium content of 6% gives this alloy its excellent strength.

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	73.2	3.2	6.3	13.8	-	0.5	2.9	-	Ir: 0.1	-	16.1	16.6	1035-1080	1228 0130 / Degunorm solder 930, 1228 0125 / Degunorm solder 880 spool, 1228 0122 / Degunorm solder 880 stripes, 1315 0122 / BiOcclus® solder G 870	1228 0121 / Degunorm solder 700 stripes, 1228 0123 / Degunorm solder 700 spool, 1315 0121 / BiOcclus solder G 710



Degunorm® eco

Degunorm eco is the low-cost alternative within the Golden Gate System. Despite its reduced gold content, the bright yellow colour of Degunorm eco is aesthetically convincing.

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	59.8	5.9	4.9	24.3	-	-	3.5	1.5	Ir: 0.1	-	16.6	17.1	970-1030	1228 0130 / Degunorm solder 930, 1228 0125 / Degunorm solder 880 spool, 1228 0122 / Degunorm solder 880 stripes, 1315 0122 / BiOcclus solder G 870	1315 0121 / BiOcclus solder G 710



Degunorm logic

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	73.8	9.0	-	13.6	-	-	2.0	0.5	Ir: 0.1/ Rh: 0.6	Ta: 0.4	16.0	16.2	1010-1070	1228 0130 / Degunorm solder 930, 1228 0125 / Degunorm solder 880 spool, 1228 0122 / Degunorm solder 880 stripes, 1315 0122 / BiOcclus® solder G 870	1315 0121 / BiOcclus solder G 710



Crown & Bridge Precious Metals

Product Code

Direct casting alloys venerable with Duceragold Kiss

Degudent® LTG

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	73.1	1.5	5.8	16.0	-	0.5	3.0	-	Ir: 0.1	-	16.1	16.6	985-1065	1228 0130 / Degunorm® solder 930, 1228 0125 / Degunorm solder 880 spool, 1228 0122 / Degunorm solder 880 stripes	1228 0123 / Degunorm solder 700 spool, 1228 0121 / Degunorm solder 700 stripes



Degulight®

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
White	-	-	36.9	56.0	-	3.0	4.0	-	Ir: 0.5	-	16.5	16.9	1050-1130	1228 0130 / Degunorm solder 930, 1228 0125 / Degunorm solder 880 spool, 1228 0122 / Degunorm solder 880 stripes	1228 0123 / Degunorm solder 700 spool, 1228 0121 / Degunorm solder 700 stripes



Gold reduced alloys for ceramics

Degubond® 4

Degubond 4 is a classical gold-reduced PFM-alloy for high-fusing veneering ceramics, characterised by high strength and corrosion resistance. Degubond 4 offers a wide range of indications, from partial-tooth restorations to fixed-removable prosthetics. Moreover, this alloy is very easy to mill, polish and solder.

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
White	49.6	-	29.0	17.5	-	30	-	-	Ir: 0.1	Ga: 0.5/ Ta: 0.1/ Re: 0.2	14.5	14.7	1160-1280	1301 0221 / Degudent solder N1W, 1301 0121 / Degudent solder N 1, 1302 0221 / Degudent solder U1W, 1302 0121 / Degudent solder U1	1210 0222 / Unilot 2, 1403 0121 / Stabitor® solder 710, 1210 0122 / Degulor solder 2



Laboratory

Crown & Bridge Precious Metals

Product Code

Degudor®

Degudor is a classical gold-reduced PFM-alloy which has been proven a reliable material in day-to-day business for more than 25 years. With its 34.5% palladium content, this alloy is highly distortion-resistant and can be used for wide-span bridges.

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
White	55.1	-	34.5	-	-	-	-	9.0	Ir: 0.2	Ga: 1.2	13.7	14.0	1190-127	1301 0221 / Degudent® solder N1W, 1301 0121 / Degudent solder N 1, 1302 0221 / Degudent solder U1W, 1302 0121 / Degudent solder U1	1210 0222 / Unilot 2, 1403 0121 / Stabilor® solder 710, 1210 0122 / Degulor solder 2



Deva® 4

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
White	51.1	-	38.5	-	-	-	-	9.0	Ir: 0.2	Ga: 1.2	13.5	13.8	1235-1315	1301 0221 / Degudent solder N1W, 1301 0121 / Degudent solder N 1, 1302 0221 / Degudent solder U1W, 1302 0121 / Degudent solder U1	1210 0222 / Unilot 2, 1403 0121 / Stabilor solder 710, 1210 0122 / Degulor solder 2



Crown & Bridge Precious Metals

Product Code

Palladium based alloys for ceramics

Degustar® F

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
White	-	-	51.9	38.0	-	7.5	1.0	1.5	Ru: 0.1	-	15.1	15.4	1150-1230	1303 0121 / Degudent® solder G 1, 1301 0221 / Degudent® solder N1W, 1301 0121 / Degudent solder N 1	1403 0121 / Stabilor® solder 710, 1210 0122 / Degulor® solder 2



Pors-on® 4

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
White	-	-	57.8	30.0	-	6.0	2.0	4.0	Ru: 0.2	-	14.9	15.2	1175-1275	1301 0221 / Degudent solder N1W, 1301 0121 / Degudent solder N 1, 1302 0221 / Degudent solder U1W, 1302 0121 / Degudent solder U1	1403 0121 / Stabilor solder 710, 1210 0122 / Degulor solder 2



Degupal® G

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
White	4.5	-	77.3	7.2	-	4.0	-	-	Ru: 0.5	Ga: 6.0 / Ge: 0.5	14.1	14.3	1170-1295	1303 0121 / Degudent solder G 1, 1301 0221 / Degudent solder N1W, 1301 0121 / Degudent solder N 1	1403 0121 / Stabilor solder 710, 1210 0122 / Degulor solder 2



Laboratory

Crown & Bridge Precious Metals

Product Code

High Gold C&B Alloys

Degulor® M

Degulor M is the classic one among the casting alloys. Its 70% gold content gives it a deep-yellow hue, ideally suited for aesthetic inlays and single crowns. This alloy is also very easy to mill and can be used for bars and superstructures.

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Pre Solder	Post Solder
Yellow	70.0	4.4	2.0	13.5	8.8	-	1.2	-	Ir: 0.1	-	-	-	900-970	1228 0121 / Degunorm® solder 700 stripes, 1228 0123 / Degunorm solder 700 spool, 1210 0221 / Unilot 1, 1210 0120 / Degulor solder 0, 1210 0122 / Degulor® solder 2	-



Degulor® C

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Solder
Yellow	74.0	2.4	2.0	13.5	7.0	-	1.0	-	Ir: 0.1	-	-	-	900-975	1228 0123 / Degunorm solder 700 spool, 1228 0121 / Degunorm solder 700 stripes, 1210 0120 / Degulor solder 0, 1210 0121 / Degulor solder 1, 1210 0122 / Degulor solder 2, 1210 0221 / Unilot 1, 1210 0222 / Unilot 2



Biolor® SG

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Solder
Yellow	71.0	3.9	-	14.0	10.0	-	1.0	-	Ir: 0.1	-	-	-	880-930	1204 0121 / Biolor solder G 820



BiOclus® inlay

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Solder
Yellow	83.3	4.8	-	10.0	-	-	1.8	-	Ir: 0.1	-	-	-	980-1060	1305 0121 / Solder DG 750



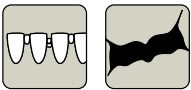
Crown & Bridge Precious Metals

Product Code

Gold reduced C&B alloys

Stabilor® G

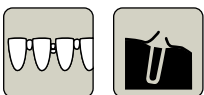
Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Solder
Yellow	58.0	0.1	5.5	23.3	12.0	-	1.0	-	Ir: 0.1	-	-	-	860-940	1210 0221 / Unilot 1, 1210 0222 / Unilot 2, 1403 0121 / Stabilor solder 710



Stabilor® NF IV

Stabilor NF IV, a proven reduced-gold casting alloy, has been part of the DeguDent alloy portfolio since 1977. Its bright yellow colour, which is owed to its gold content of 55%, makes it aesthetically convincing. Stabilor NF IV is very easy to mill and to finish. Its broad range of indications range from single crowns to fixed-removable prosthetics and implant superstructures.

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Solder
Light Yellow	55.0	-	9.9	29.0	-	1.0	1.0	4.0	Ir: 0.1	-	-	-	940-1065	1210 0221 / Unilot 1, 1210 0222 / Unilot 2



Silver-Palladium alloys

Palliag® M

Alloy colour	Au	Pt	Pd	Ag	Cu	Sn	Zn	In	Other noble metals	Non-precious metals	CTE (25-500 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	CTE (25-600 °C) $\mu\text{m}/\text{m}\cdot\text{K}$	Melting range °C	Solder
White	2.0	-	27.4	58.5	10.5	-	1.5	-	Ir: 0.1	-	-	-	950-1040	1210 0221 / Unilot 1, 1210 0222 / Unilot 2



Laboratory

Crown & Bridge Precious Metal Foil and Solder

Product Code

Precious Metal Accessories

Degulor® clasp wire 1mm		531211MM05
Platinum foil	0.02	5317062000
Platinum foil	0.27	5317062700

Solder for Crown & Bridge Alloys

Degulor (ncd)	4g pack	
	Lot 0	5312100120
	Lot 1	5312100121
	Lot 2	5312100122
Unilot		
	1 7.5g pkt	5312100221
	2 7.5g pkt	5312100222

Solder for Bonding Alloys

Degunorm®		
	Lot 700 Post solder 7.5g	5312280121
	Lot 880 Pre solder 7.5g	5312280122
Degudent®		
	Lot N1 Pre solder 4g	5313010121
	Lot N1W Pre solder 7.5g	5313010221
	Lot U1 Pre solder 4g	5313020121
	Lot U1W Pre solder 7.5g	5313020221
	Lot G1 Pre solder 4g	5313030121
Biocclus	Lot G 870 Pre solder 7.5g	5313150122
Stabilor	Lot 710 Post solder 4g	5314030121
DWL	Lot 801 4g	5317050120

Crown & Bridge Non Precious Bonding Alloys



Non Precious Bonding Alloys

Starloy C		5335010014
1kg		

Crown & Bridge Equipment

Product Code

Multimat® NTX & NTX^{PRESS} Furnace



The premium Multimat NTX and NTX^{PRESS} units are suitable for all firing and pressing programs, producing dependable firing results with easy program customisation. Equipped with an even heating coil protected by a quartz glass tube to ensure homogeneous heat distribution within the chamber. Multimats' supplementary real-time controller assists the main CPU in providing extra power and a highly precise temperature curve. With the NTX PC software, programs can be used to conveniently create and administer firing and pressing programs for subsequent transfer to one or multiple furnaces via USB sticks. The Multimat logical folder program structure intuitively guides the operator through all menu levels, directly to the desired program.

- Universal firing/pressing furnace
- High-quality true colour touch screen
- Compatible with video, JPG and MP3 files
- Extremely small footprint (width/depth 11.0" x 16.9", 280 x 430mm)
- Approved according to international and ETL standards
- Continuous thermocouple monitoring
- Power adapter monitors for voltage peaks and short-term power loss
- Automated self-test feature guarantees proper function of the entire unit on power-up
- "One-touch desktop" implemented by placing appropriate folders or programs directly on the main screen
- Fully customisable firing and pressing parameters
- 3-year warranty

Multimat NTX Furnace	5460270001
Multimat NTX ^{PRESS} Furnace	5460270011



Biodent vacuum pump	03002220VD
For use with MultimatEasy, NTX and NTX Press.	

Oil for biodent vacuum pump	D03260102
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Silver calibration set	03532803
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Degutron® eco



Induction vacuum pressure casting unit for all common precious and non-precious dental alloys. Simple and uncomplicated operation. Smooth melting and quick casting process enables reproducible casting results. Space saving by small footprint and separate vacuum pump.

Degutron eco (including pump)	5351350001
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Laboratory

Laboratory Equipment – Zhermack®

Product Code



Elite® Mix

- Vacuum-sealed mixer for investment and plaster models
- Low-level noise performance
- Electronic control with microprocessor and LCD alphanumeric display
- 500cc bowl is supplied
- 10 different programs which can be set with the following parameters:
 - Spatulation time
 - Mixing speed between 100 and 450rpm
 - Pre-spatulation enabling
 - Pre-insertion vacuum
 - Interval time allowing spatula direction rotation change
- Wall or bench-mounted with appropriate stand (optional)
- Size: L18cm/D24cm/H36cm
- 1 year warranty

Elite Mix

C305120

Accessories

Bench mounted Elite mix stand	XR0011510
Lid with 200cc mixing spatula	XR0011520
Lid with 500cc mixing spatula	XR0011500
Lid with 1000cc mixing spatula	XR0011530
200cc bowl	XI0010640
500cc bowl	XI0010630
1000cc bowl	XI0010650



Vibrator

- Vibrator for pouring plaster and investment
- Rubber surface is easily removed for cleaning
- Support stands keep vibrations to the vibrating worktop
- Adjustable electronic vibration
- Worktop Surface A12: L23/D14cm
- Size: L24cm/D17cm/H10cm
- 1 year warranty

Vibrator A12

C306201



Polishing Lathe

- Designed for wet and dry polishing of both metal and acrylic prosthetic restorations
- Small and compact
- Designed with high quality materials for a longer operational life
- Equipped with two-speed selector
- Solid aluminium bodywork
- Designed to be secured to the work surface
- RPM 1400/2800
- Size: L47cm/D15cm/H24cm
- 1 year warranty

Polishing Lathe

C306301

Laboratory Equipment – Zhermack®

Product Code



Plaster Model Trimmer

Plaster Model Trimmer Wet

- SQM 25 N
- Water disc cooling system
- Front water flow regulator
- Aluminium bodywork
- Abrasive disc manufactured from reinforced Bakelite under FEPA standards
- AR 30, Ømm 250 x 8
- Ready to secure to the work surface
- Diamond wheel optional
- Size: L37cm/D32cm/H34cm
- 1 year warranty

Plaster Model Trimmer Wet	C305905
Plaster Model Trimmer Wet with Diamond Wheel	C305906

Accessories

Abrasive disc for SQM 25 N (Water)	XR0091100
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Plaster Model Trimmer Dry

- SQM 25 SN
- Diamond grinding wheel which allows dry use (without water)
- Control circuit which automatically activates suction when model trimmer is switched on
- Ready to secure to the work surface
- Particularly recommended for hard plasters, investments and resins
- Size: L37cm/D32cm/H34cm
- 1 year warranty

Plaster Model Trimmer Dry with Diamond Wheel	C305907
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Accessories

Abrasive diamond disc for SQM 25 SN (Dry)	XR0090000
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Laboratory

Laboratory Equipment – Zhermack®

Product Code



SAB 1000

Extraction unit for:

- Model production
 - Metal working
 - Resin working
 - Ceramic working
 - Polishing and Finishing
- Excellent power and dependability
 - Filtering up to 3µm
 - Specific dual layer paper filters for extra fine sand
 - Reliable, easy to clean and maintain
 - 1 year warranty

SAB 1000

C3005608



Prothyl Polimer

- Utilized for the polymerisation of acrylic resins
- Static and dynamic precision due to the electronic control with microprocessor
- Basin and internal components are manufactured from stainless steel
- Electronic microprocessor control complete with graphic display
- 5 programmable phases
- Up to 10 different polymerisation programs can be set
- Equipped with practically located tap for draining water
- Size: L17cm/D43cm/H40cm
- 1 year warranty

Prothyl Polimer

C305707



Dune Ecotech

- Large chamber (25 litres) with ergonomic design
- Adjustable LED lighting with interchangeable protection film
- 1000cc tanks with level indicator and air vents
- Dune 2 Ecotech/ 2 chambers
- Dune 3 Ecotech/3 chambers
- Immediate flow shut-off valves in the pneumatic system
- Sand recirculation system with its own hand piece and support
- Pressure regulator and sand selector positioned in the sandblasting chamber
- Ergonomic handles with tungsten carbide nozzles, available in different diameters
- Long, high-precision nozzles in 0.6, 0.8, 1.3mm diameter (optional extras)
- Possibility to install a third, optional tank on the Dune Ecotech 2
- Suction can be activated when the sandblaster is switched on
- Size: L49cm/D50cm/H42cm
- 1 year warranty

Dune 2 Ecotech

C305618

Dune 3 Ecotech

C305619

Laboratory Equipment – Zhermack®

Product Code



Euclide

- With laser pointing-pincer chuck (M.P)
- For drilling dental models with laser pointing for pin application
- Drilling depth can be regulated
- The Euclide M.P. collet chuck can mount drill heads between (diameter of) 2.7 and 3.2mm stem
- Laser aiming guarantees maximum drilling precision
- Size: L20cm/D18cm/H63.5cm
- 1 year warranty

Euclide

C307003



Talete Model Saw

- Saw for cutting dies in dental models
- Protected buttons prevent dust from damaging internal machine components
- High power, high rotation speed and solid structure for maximum cutting precision
- The inclusion of a dust extraction system within the design results in high powered suction
- Front and side safety micro switch positioned on the front protection panel
- Powerful magnetic placement surface
- Incorporated dust extractor and lighting systems
- Size: L37cm/D30cm/H34cm
- 1 year warranty

Talete Model Saw

C306900



Polimer

- Electronic polymerisation unit for acrylic
- Front panel display shows polymerisation temperature and time
- Up to 10 memory programs
- Robust stainless steel structure which makes the equipment extremely dependable
- Self locking lid closure
- Maximum working pressure 6 bar
- Durable and easy maintenance
- Size: L41cm/D38cm/H30cm
- 1 year warranty

Polimer

C305702

Laboratory

Laboratory Equipment – Zhermack®

Product Code



Steam Cleaner

- VAP/6 and VAP/6-A both generate a flow of steam or pressurised hot water to be used for the cleaning of dental prosthetic restorations
- VAP/6 - Steam operation with a button on the gun
- VAP/6 - Electronic control of water level
- VAP/6A - Automatic water loading from any external water source (tap water)
- Stainless steel boiler with a total capacity of 4 litres
- Steam flow adjustable
- Operating pressure 6 bar
- Size: L29cm/D46cm/H42cm
- 1 year warranty

Steam Cleaner	VAP6A	C305203
	VAP6	C305201

Laboratory Equipment

Neytech® Equipment – NEY Vulcan® Furnaces

Vulcan benchtop furnaces are available in three standard and one high temperature muffle size. Digital models have nine multi-stage programs, hold temperature programs, seven day delay start and precise temperature control, ranging up to 1225° centigrade. Each Vulcan furnace is constructed with a heavy gauge steel cabinet finished with durable baked enamel coating. A vertical lift door is standard for operator safety and space conservation.



Vulcan analogue	A 130 Setpoint control	9493301
	A 550 Setpoint control	9493307
	A 1750 Setpoint control	9493407

Vulcan 3 stage programmable	3 130 Multi stage program	9493303
	3 550 Multi stage program	9493309
	3 1750 Multi stage program	9493409
	3 550A Air exchange furnace	9493985

Internal Muffle Dimensions

Model	Internal height	Internal width	Internal depth
130	120mm (4.6")	140mm (5.7")	130mm (5.2")
550	180mm (7.0")	230mm (9.0")	230mm (9.0")
1750	250mm (10.0")	360mm (14.0")	320mm (12.5)

Cobalt Chrome

Product Code

Alloy & Casting

Vitallium®, Vitallium 2000 and Vitallium 2000 Plus cobalt-chromium alloys are manufactured using state of the art continuous cast technology. These premium alloys are highly biocompatible and free of beryllium and nickel. Vitallium alloys are only available to Vitallium Licensed Laboratories. Call DENTSPLY Client Services to find out how you can qualify.



Vitallium alloy	1kg	N001035
Vitallium 2000 alloy	500g	N001830
Vitallium 2000 plus alloy	500g	N001930

White gold solder. 800 Fine	1DWT	N085100
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Carbon inserts	3pk	N242903
Crucibles for ecm	6pk	N031106

Laser weld wire	10"lg (7)	N041100
Vitallium laser welding wire	.35mm	N041135
	.50mm	N041150

Welding rods	12" lg 5pk	N041200
	12" lg 16pk	N041201

Oxynon special flux	¼oz	N359600
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Mould holders	1¼" ring	N154861
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Degudent® Alloy Co-CR alloy		
Ni < 1%	1kg	5335020001
Biosil F	1kg	5335010003
Biosil L	1kg	5335010004
Biosil-laser weld wire	5 x 25cm	5335012505

Laboratory

Cobalt Chrome

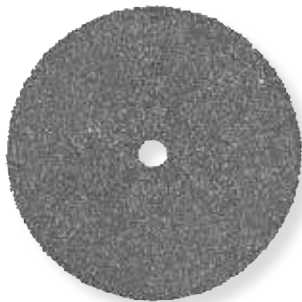
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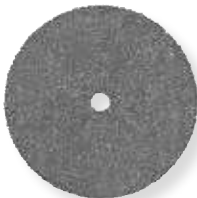
Mounted finishing stones



1*



2*



3*



White Fine	Tapered		60pk	N052060
	Inverted cone			N052560
	Medium barrel			N051060
	Large barrel			N051560
Blue Medium	Tapered		60pk	N052160
	Inverted cone			N052660
	Barrel			N051160
Red Hard	Tapered stones		60pk	N052260
	Inverted cone			N052760
	Medium barrel			N051260
	Large barrel			N051760
Red Extra Hard	Tapered		60pk	N052360
	Inverted cone			N052860
	Medium barrel			N051360
	Large barrel			N051860
1. Hi speed cutting disc*	1 1/4" x 1/16" x 1/16"	100pk		N056100
2. Sprue cut off disc*	1 1/2" x .04"	100pk		N056300
3. Hi speed cutting disc* blk	1 x 1/32" x 1/16"	100pk		N056500
Faskut band arbor	3/4" tub	100pk		99124
	3/4" tub	500pk		99125

*Actual size

Cobalt Chrome

Product Code

Polishing



Red rubber wheels	100pk		N060100
	500pk		N060101
Red rubber points	100pk		N060300
	500pk		N060301
Felt points	100pk	3/16" x 1/2"	N061100
Soft felt wheels	100pk	1" x 3/16"	N061300
Hard felt wheel	100pk	1" x 1/8"	N061500
Polishing brush 2 row	10pk		N061610
Taperscrew mandrel for points	12pk		N064300
	144pk		N064301
Screwhead mandrel for wheels	12pk		N064100
	144pk		N064101
Polishing compound	Grey	1lb	N065101
	Green	1lb	N065200
	Hi-Gloss	6pk	N065300
	Hi-Gloss	100pk	N065310
Polishing solution	Chrome	1 gal	N300010
	Electro Polish	3.85 litres	N046045

Laboratory

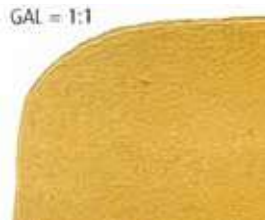
Cobalt Chrome

Product Code

Patterns

Austenitic Plastic Patterns are pre-formed to exact sizes with uniform dimensions. The patterns maintain the high standards of form and function required of Vitallium partial denture alloy castings. They are available in a comprehensive assortment of sizes and designs allowing for fast, accurate wax-ups.

Plain and Stippled sheets



GAP = plain	0.50mm	24 Gap	N004009
GAL = light stipple	0.65mm	22 Gal	N004006
	0.50mm	24 Gal	N004010
	0.40mm	26 Gal	N004014
GAH = heavy stipple	0.65mm	22 Gah	N004007
	0.50mm	24 Gah	N004011
	0.40mm	26 Gah	N004015
GAX = extra heavy stipple	0.65mm	22 Gax	N004008
	0.50mm	24 Gax	N004012
	0.40mm	26 Gax	N004016

Cobalt Chrome

Mesh retention sheets

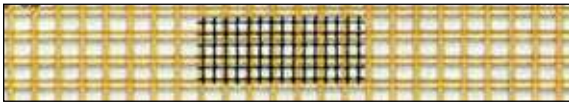
Product Code

Product Code

MR80 N005001



MR100 N005003



MR80A N005004



Pre-formed bars

P60 N002006



41L65 N002009



41L60 N002010



51L75 N002012



51L65 N002013



52L75 N002017



52L65 N002018



57L75 N002023



57L65 N002024



L75 N002029



L65 N002030



L60 N002031



5L75 N002033



5L65 N002034



1PD30 N002044



2PD40 N002045



3PD25 N002046



2F45 N002047



3F N002048



Laboratory

Cobalt Chrome

Pre-formed Clasps

Product Code

Product Code

21M

N003001



22M

N003002



23M

N003003



24M

N003004



25M

N003005



26M

N003006



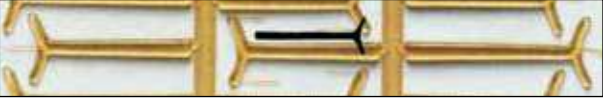
62R35

N003018



63R35

N003019



64R35

N003020

















22R

N003024



Cobalt Chrome

Product Code		Product Code	
23R	N003025	L200	N003045
			
24R	N003026	BRAH	N003046
			
M1AL	N003027	21MS	N003047
			
B1AL	N003029		
			
M2AS	N003031		
			
MRAL	N003032		
			
1MA55	N003035		
			
1BA55	N003036		
			
1CA55	N003037		
			
3MA60	N003040		
			
4MA44	N003041		
			

Laboratory

Cobalt Chrome



Product Code

Investment

Vitallium® 2000	liquid a&b set invest powder 20kg	N022608 N022665
VR Binder	1 gallon thinner 1gallon	N023001 N024001
VR Investment	20kg	N022065
Asbestos free ring liner 3" x 60ft		N850050

Biosint® Extra Powder 45x400g no liquid	5325540001
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Biosol® E Liquid (2 litre)	5325450080
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Sprue Former 10pk (corkscrew)	N113110
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Cobalt Chrome

Product Code

Model Duplication



Refractory model dip (2.5kg) (heating required)		N010540
All purpose-protective coat 200ml		N025920

Protective coat assures a smooth surface on the refractory model. Additionally, used as a paint-on coating for the Austenite patterns prior to investing.

Protective coat powder	4kg	N026204
Protective coat liquid	1ltr	N025835

Clay	2.25kg	N013038
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Perflex Duplicating Material, reversible hydrocolloid, designed to work with V.R. Investment to provide accurate refractory models. Not suitable for duplicating stone models unless perflex mould soak is used.

Perflex®	7.5Litre	N021055
Perflex mould soak	1ltr	N026535

Polyflex reversible hydrocolloid for duplicating any model in stone or phosphate investments. Can also be used with ethyl-silicate investments.

Polyflex	7.5Litre	N021855
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Accessories



Rubber tip adaptor for patterns		N105000
Rubber tip	Large	N105001
	Small	N105002

Liquid adhesive	30ml	N010105
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Laboratory

Cobalt Chrome

Product Code

Waxing

Beading wax	30gm	N016405
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Adhesive cast wax

20Ga	0.80mm	N018020
22Ga	0.60mm	N018022
24Ga	0.50mm	N018024
26Ga	0.40mm	N018026

Round sprue wax 250gm spool

4Ga	5.1mm	N019004
6Ga	4.1mm	N019006
8Ga	3.3mm	N019008
10Ga	2.6mm	N019010
12Ga	2.1mm	N019012
14Ga	1.6mm	N019014
18Ga	1.0mm	N019018

Survey wax compound 60gm	N016200
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Block out wax sheets 1/2 lb	N016300
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Laboratory Burs

Tungsten Carbide Cutters



DENTSPLY offers a complete range of innovative high-quality tungsten carbide cutters suitable for the treatment of almost any material. The selection of the cut and the geometry of the instruments are tailored to the material to be machined. Durability, milling characteristics and removal performance are direct functions of speed and contact pressure and the properties of the material to be machined*.

The ISO Number and its Meaning

ISO	500	104	194	110	023
	Material of the working part	Instrument shaft length and diameter	Shape of the working part	Cut/grit of the working part	Maximum diameter of the working part
The ISO number comprises five groups of digits whose meaning is explained above.	<p>e. g.</p> <ul style="list-style-type: none"> • 500 tungsten carbide • 80x sintering diamond • 6xx corundum abrasive 	<p>e. g.</p> <ul style="list-style-type: none"> • 103 laboratory hand-piece, short, 2.35mm • 104 laboratory hand-piece, long, 2.35mm • 123 laboratory hand-piece, short, 3.00mm 	<p>e. g.</p> <ul style="list-style-type: none"> • 194 taper • 239 pear • 289 torpedo 	<p>e. g.</p> <ul style="list-style-type: none"> • 110 cross-cut • superfine • 514 grit ≤ 50 µm • 001 bur cut, straight 	<p>e. g.</p> <ul style="list-style-type: none"> • 023 2.3mm • 070 7.0mm

*Exceeding the maximum speed constitutes a safety hazard.

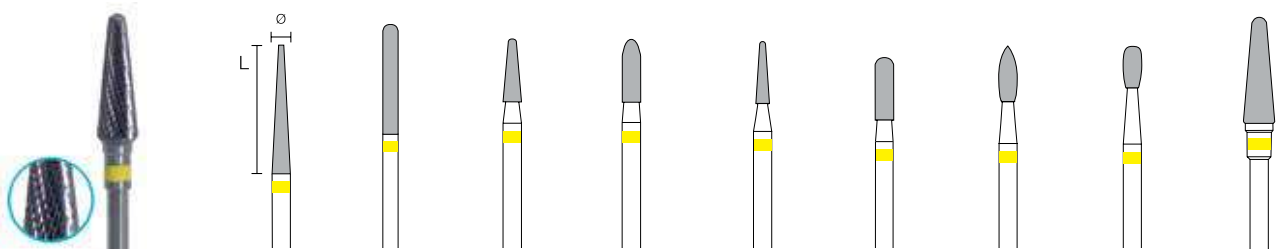
Laboratory

Laboratory Burs



TC cutter, cross-cut, super-fine (yellow ring)

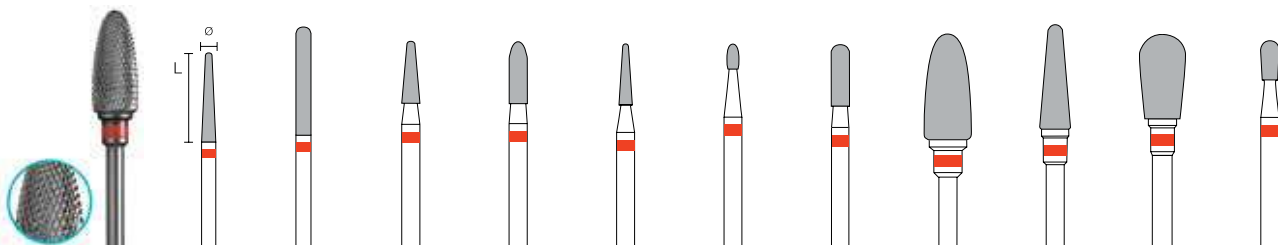
Used for: Precious alloys, non-precious alloys, composite
 Cut: ISO 110
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



Shape	Cone	Cylinder	Cone	Torpedo	Cone	Cylinder	Flame	Egg Shape	Cone
Lmm	14.0	16.0	8.0	8.0	8.0	8.0	7.0	5.3	14.1
Ømm	2.3	2.3	2.3	2.3	1.6	2.3	2.3	2.3	4.0
Maximum speed (rpm)	40.000	40.000	40.000	40.000	40.000	40.000	40.000	40.000	30.000
Application*	9, 10, 18, 19	9, 10, 18, 19	9, 10, 18, 19	9, 10, 18, 19	9, 10, 18, 19	9, 10, 18, 19	9, 10, 18, 19	9, 10, 18, 19	18, 19
ISO 500 104 ...	194 110 023	137 110 023	198 110 023	289 110 023	184 110 016	141 110 023	257 110 023	237 110 023	194 110 040
REF 535990 ...	0033	0034	0035	0036	0037	0038	0039	0040	0041

TC cutter, cross-cut, fine (red ring)

Used for: Precious alloys
 Cut: ISO 140
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



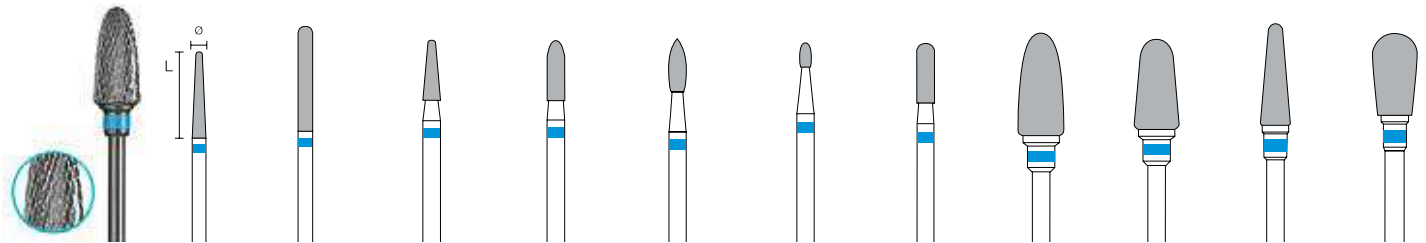
Shape	Cone	Cylinder	Cone	Torpedo	Cone	Egg Shape	Cylinder	Bud	Cone	Pear	Pear
Lmm	14.0	16.0	8.0	8.0	8.0	3.1	8.0	13.9	14.1	11.0	5.0
Ømm	2.3	2.3	2.3	2.3	1.6	1.4	2.3	6.0	4.0	6.0	2.3
Maximum speed (rpm)	40.000	40.000	40.000	40.000	40.000	40.000	40.000	30.000	30.000	20.000	40.000
Application*	9, 10, 11, 14	9, 10, 11, 14	9, 10, 11, 14	9, 10, 11, 14	9, 10, 11, 14	9, 10, 11, 14	9, 10, 11, 14	11, 15	11, 15	11, 15	9, 10, 11, 14
ISO 500 104 ...	194 140 023	137 140 023	197 140 023	289 140 023	198 140 016	277 140 014	141 140 023	274 140 060	194 140 040	237 140 060	237 140 023
REF 535990 ...	0012	0013	0014	0015	0016	0017	0018	0019	0020	0021	0022

*Exceeding the maximum speed constitutes a safety hazard.

Laboratory Burs

TC cutter, cross-cut, standard (blue ring)

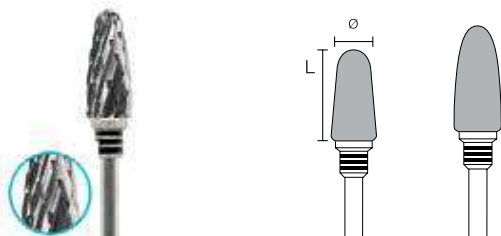
Used for: Precious alloys, CoCr, non-precious alloys, dental stone, resin
 Cut: ISO 190
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



Shape	Cone	Cylinder	Cone	Torpedo	Flame	Egg Shape	Cylinder	Bud	Cone	Cone	Pear
Lmm	14.0	16.0	8.0	8.0	7.0	3.1	8.0	14.2	12.2	14.1	11.0
Ømm	2.3	2.3	2.3	2.3	2.3	1.4	2.3	6.0	6.0	4.0	6.0
Maximum speed (rpm)	40.000	40.000	40.000	40.000	40.000	40.000	40.000	20.000	20.000	30.000	20.000
Application*	1, 5, 7	1, 5, 7	1, 5, 7	1, 5, 7	1, 5, 7	1, 5, 7	1, 5, 7	2, 6, 8	2, 6, 8	2, 6, 8	2, 6, 8
ISO 500 104 ...	194 190 023	137 190 023	198 190 023	289 190 023	257 190 023	277 190 014	141 190 023	274 190 060	263 190 060	194 190 040	237 190 060
REF 535990 ...	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011

TC cutter, cross-cut, medium-coarse (3 black rings)

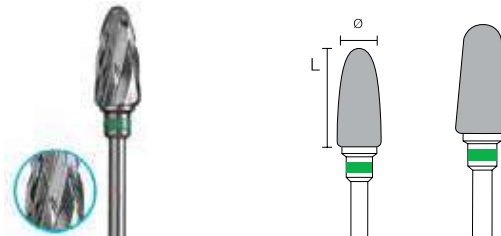
Used for: Dental stone, resin, plaster (dry)
 Cut: ISO 221
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



Shape	Cone	Bud
Lmm	12.2	13.9
Ømm	6.0	6.0
Maximum speed (rpm)	20.000	20.000
Application*	4, 13	4, 13
ISO 500 104 ...	263 221 060	274 221 060
REF 535990 ...	0044	0045

TC cutter, cross-cut, coarse (green ring)

Used for: Resins
 Cut: ISO 220
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



Shape	Bud	Cone
Lmm	13.9	14.2
Ømm	6.0	7.0
Maximum speed (rpm)	20.000	20.000
Application*	4, 13	4, 13
ISO 500 104 ...	274 220 060	263 220 070
REF 535990 ...	0042	0043

Laboratory

Laboratory Burs



TC cutter, cross-cut, super-coarse (thick black ring)

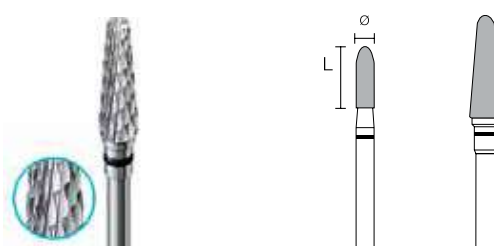
Used for: Resins
 Cut: ISO 223
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



Shape	Cone
Lmm	14.2
Ømm	7.0
Maximum speed (rpm)	20.000
Application*	3
ISO 500 104 ...	263 223 070
REF 535990 ...	0046

TC cutter, spiral-cut, coarse (thin black ring)

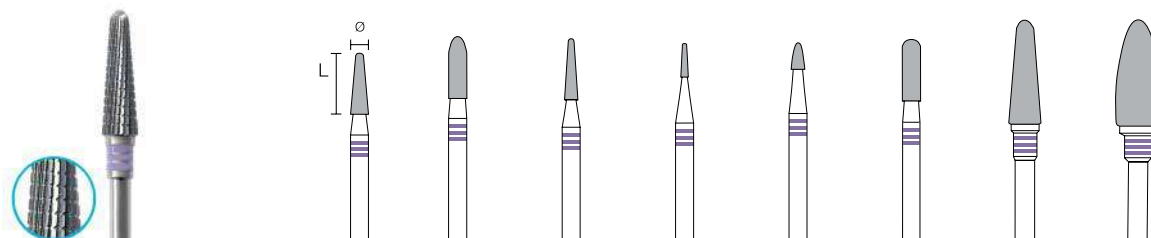
Used for: Reduced-gold alloys, non-precious alloys, titanium
 Cut: ISO 194
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



Shape	Torpedo	Cone
Lmm	8.0	13.0
Ømm	2.3	4.0
Maximum speed (rpm)	40.000	30.000
Application*	1, 5, 16	1, 6, 17
ISO 500 104 ...	289 194 023	194 194 040
REF 535990 ...	0031	0032

TC cutter, spiral-cut, coarse, superfine (3 purple rings)

Used for: Reduced-gold alloys, non-precious alloys, titanium
 Cut: ISO 137
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box

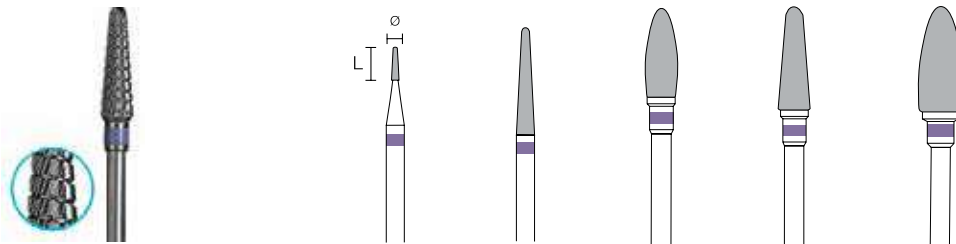


Shape	Cone	Torpedo	Cone	Cone	Grenade	Cylinder	Cone	Bud
Lmm	8.0	8.0	8.0	4.2	3.5	8.0	13.7	14.2
Ømm	2.3	2.3	1.6	0.8	1.4	2.3	4.0	6.0
Maximum speed (rpm)	40.000	40.000	40.000	40.000	40.000	40.000	30.000	20.000
Application*	5, 16	5, 16	5, 16	5, 16	5, 16	5, 16	6, 17	6, 17
ISO 500 104 ...	198 137 023	289 137 023	198 137 016	196 137 008	274 137 014	141 137 023	194 137 040	274 137 060
REF 535990 ...	0023	0024	0025	0026	0027	0028	0029	0030

Laboratory Burs

TC cutter, spiral-cut, fine (purple ring)

Used for: Reduced-gold alloys, non-precious alloys, titanium
 Cut: ISO 134
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



Shape	Cone	Cone	Pear	Cone	Bud
Lmm	4.2	14.0	11.5	13.7	13.9
Ømm	0.8	2.3	4.0	4.0	6.0
Maximum speed (rpm)	40.000	40.000	30.000	30.000	20.000
Application*	5, 16	5, 16	6, 17	6, 17	6, 17
ISO 500 104 ...	196 134 008	194 134 023	274 134 040	194 134 040	274 134 060
REF 535990 ...	0054	0050	0053	0052	0051

TC repair cutter

Used for: Roughening of acrylic teeth and dentures
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



Lmm	3.5
Ømm	6.0
Maximum speed (rpm)	ca. 5.000
ISO 500 104 ...	118 174 060
REF 535990 ...	0048

TC tricutter bur

Used for: Vacuum formed foil, tray material
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Packing unit: 1 per box



Lmm	9.0
Ømm	2.3
ISO 500 104 ...	467 211 023
REF 535990 ...	0047

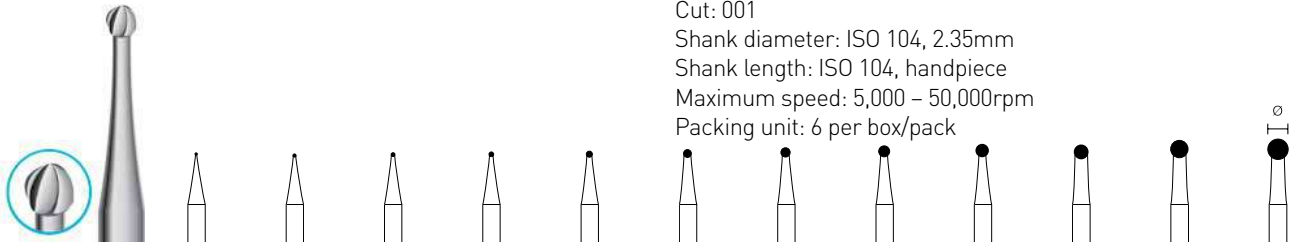
Laboratory

Laboratory Burs



TC bur, round

Used for: Metal, resin (e. g. fissure shaping at 5,000 – 40,000rpm)
 Cut: 001
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Maximum speed: 5,000 – 50,000rpm
 Packing unit: 6 per box/pack



Ømm	0.3	0.4	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.3	2.7
ISO 500 104 001 ...	003	004	005	006	008	010	012	014	016	018	023	027
REF 535990 ...	0200	0201	0202	0203	0204	0205	0206	0207	0208	0209	0210	0211

TC bur, inverted cone

Used for: Metal, resin
 Cut: 010 with tip cut
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Maximum speed: 5,000 – 50,000rpm
 Packing unit: 6 per box/pack



Lmm	1.7
Ømm	1.8
ISO 500 104 ...	010 001 018
REF 535990 ...	0212

TC fissure bur

Used for: Metal, resin
 Cut: 006 with tip cut
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Maximum speed: 5,000 – 50,000rpm
 Packing unit: 6 per box/pack



Lmm	4.2
Ømm	0.9
ISO 500 104 ...	107 006 009
REF 535990 ...	0213

Fissure bur, cone

Used for: Metal, resin
 Cut: 007 with tip cut and transverse section
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Maximum speed: 5,000 – 50,000rpm
 Packing unit: 6 per box/pack



Lmm	4.2
Ømm	1.2
ISO 500 104 ...	168 007 012
REF 535990 ...	0214

TC finisher

Used for: Metal
 Cut: ISO 213, six-sided
 Shank diameter: ISO 104, 2.35mm
 Shank length: ISO 104, handpiece
 Maximum speed: 50,000rpm
 Packing unit: 6 per box/pack



Lmm	2.5
Ømm	1.0
ISO 500 104 ...	467 213 010
REF 535990 ...	0300

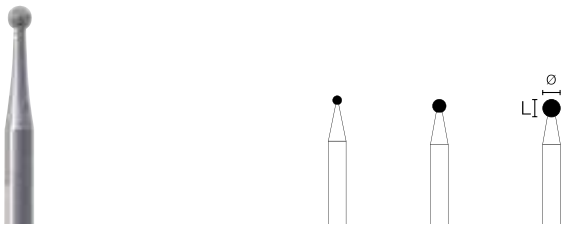
Laboratory Burs

Diamond Cutters

Diamond cutters are primarily for the treatment of ceramics. DeguDent Twistec® diamonds are made almost exclusively from natural diamonds (grits of 110–120 µm/ISO 524 or 135 µm/ISO 534) and are galvanically or organically bound. The use of organic binders ensures maximal biocompatibility with the ceramics used in dental technology. The shaft diameter is 2.35mm (ISO 104), suitable for laboratory handpieces (HP).

Diamond, round

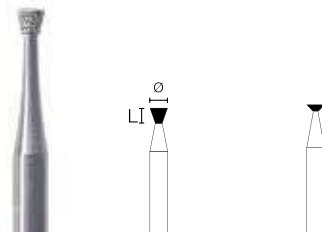
Maximum speed: 40,000rpm
Packing unit: 3 per box



Shape	Round	Round	Round
Ømm	1.2	1.8	2.3
Grain size	110-120 µm	110-120 µm	110-120 µm
Application*	21, 22	21, 22	21, 22
ISO 806 104 001 524 ...	012	018	023
REF 535990 ...	3001	3002	3003

Diamond, inverted cone

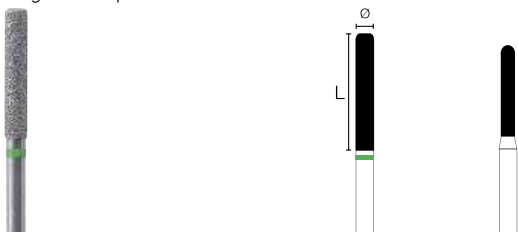
Maximum speed: 40,000rpm
Packing unit: 3 per box



Shape	Inverted cone, short	Inverted cone, short
Lmm	2.0	0.8
Ømm	2.3	2.3
Grain size	110-120 µm	110-120 µm
Application*	20, 21, 22	20, 25
ISO 806 104 ...	010 524 023	014 524 023
REF 535990 ...	3004	3006

Diamond, cylinder

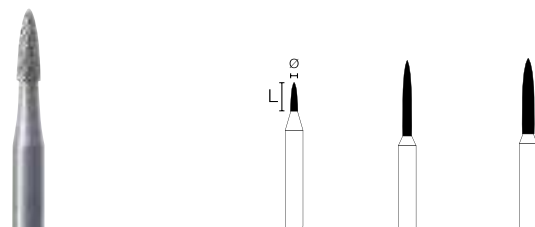
Maximum speed: 40,000rpm
Packing unit: 3 per box



Shape	Round Edge	Cylinder, round
Lmm	15.0	12.0
Ømm	2.3	1.8
Grain size	135 µm	110-120 µm
Application*	23	23
ISO 806 104 ...	158 534 023	143 524 018
REF 535990 ...	3007	3008

Diamond, flame

Maximum speed: 40,000rpm
Packing unit: 3 per box



Shape	Flame	Flame	Flame
Lmm	4.0	10.0	10.0
Ømm	1.0	1.2	1.6
Grain size	110-120 µm	110-120 µm	110-120 µm
Application*	20, 21, 27	23, 25, 27	23, 25, 27
ISO 806 104 ...	247 524 010	250 524 012	250 524 016
REF 535990 ...	3017	3019	3020

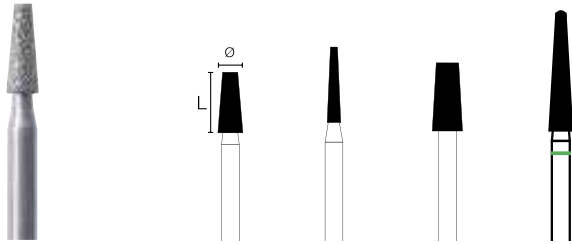
Laboratory



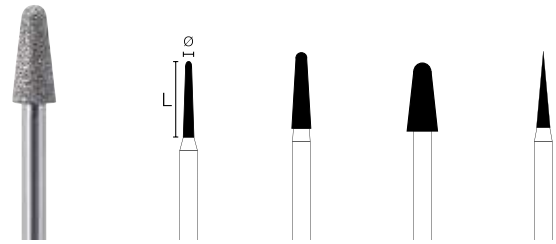
Laboratory Burs

Diamond, cone

Maximum speed: 40,000rpm
Packing unit: 3 per box



Shape	Flat	Flat	Flat	Long, round
Lmm	8.0	10.0	9.0	15.0
Ømm	3.3	1.8	4.0	2.3
Grain size	110-120 µm	110-120 µm	110-120 µm	135 µm
Application*	23, 25	22, 23, 25	22, 23, 25	21, 23, 24, 25
ISO 806 104 ...	172 524 033	173 524 018	173 524 040	175 534 023
REF 535990 ...	3009	3010	3011	3012



Shape	Round	Round	Round	Point
Lmm	10.0	10.0	9.0	10.0
Ømm	1.4	2.5	4.0	1.8
Grain size	110-120 µm	110-120 µm	110-120 µm	110-120 µm
Application*	22, 23, 24	22, 23, 24	22, 23, 24, 26	20, 21, 23, 25
ISO 806 104 ...	199 524 014	199 524 025	199 524 040	166 524 018
REF 535990 ...	3013	3014	3015	3016

Diamond, bud

Maximum speed: 40,000rpm
Packing unit: 3 per box



Shape	Bud
Lmm	5.0
Ømm	2.3
Grain size	110-120 µm
Application*	21, 26, 27
ISO 806 104 ...	257 524 023
REF 535990 ...	3022

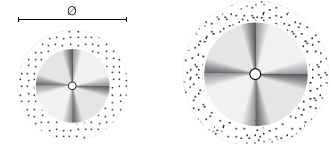
Laboratory Burs

Diamond Discs

Perforated diamond discs ensure good visibility of the area to be separated as they rotate. Diamond discs for plaster sectioning are characterised by specially segmented cutting edges that ensure that the dust is moved away from the cutting site, avoiding blockage of the rotational movement. All Twistec® diamond discs are bilateral cutting discs with a fixed mount. Place the discs as close to the chuck as possible. Make sure it reaches its operating speed before touching the work piece. Improper use i.e disregarding the proper speed, canting, and/or excessive pressure, constitutes a safety hazard.

Diamond disc for coarse pre-separating of ceramics (blue ring)

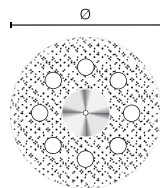
Used for: Pre-separating
Thickness: 0.25mm
Grit: ISO 524, 100 µm
Packing unit: 1 per box



Ømm	19.0	22.0
Maximum speed (rpm)	20.000	15.000
ISO 806 104 355 524 ...	190	220
REF 535990 ...	3104	3105

Diamond disc for pre-separating of ceramic (red ring)

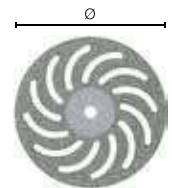
Used for: Fine and coarse pre-separating
Thickness: 0.2mm
Grit: ISO 514, 50 µm
Packing unit: 1 per box



Ømm	22.0
Maximum speed (rpm)	15.000
ISO 806 104 ...	335 514 220
REF 535990 ...	3101

Diamond disc for separating ceramics (red ring)

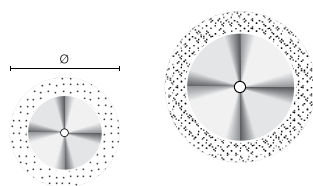
Used for: Pre-cutting
Thickness: 0.15mm
Grit: ISO 514, 50 µm
Packing unit: 1 per box



Ømm	22.0
Maximum speed (rpm)	15.000
ISO 806 104 ...	396 514 220
REF 535990 ...	3106

Diamond disc for super-fine separating of ceramics (yellow ring)

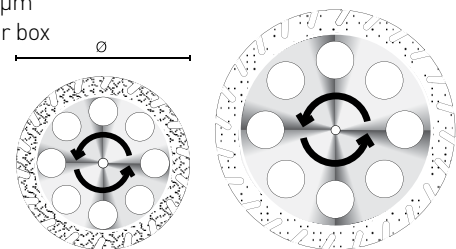
Used for: Super-fine separating
Thickness: 0.12mm
Grit: ISO 504, 30 µm
Packing unit: 1 per box



Ømm	19.0	22.0
Maximum speed (rpm)	20.000	15.000
ISO 806 104 355 504 ...	190	220
REF 535990 ...	3102	3103

Diamond disc for separating plaster (blue ring)

Used for: Separating dies
Thickness: 0.35mm
Grit: ISO 524, 100 µm
Packing unit: 1 per box



Ømm	30.0	45.0
Maximum speed (rpm)	10.000	10.000
ISO 806 104 365 524 ...	300	450
REF 535990 ...	3107	3108

Laboratory

Laboratory Burs



Sintered Diamonds

The working part of sintered diamonds consists of diamonds throughout (between 50 and 180 µm grits) with a metal bond. These instruments (2.35mm shank diameter/ ISO 104) are suitable for almost all materials such as ceramics, CoCr or non-precious alloys (not suitable for surfaces to be veneered with ceramics). They are characterised by their longevity, reduced heat during operation and a homogeneous grinding result. Note that the surfaces of sintered diamonds must be cleaned with a cleaning stone in case of contamination.

Sintered diamond, fine grit (red ring)

Used for: Ceramics, CoCr, non-precious alloys
 Maximum speed: 25,000rpm
 Grit: ISO 513, 50 µm (fine)
 Packing unit: 1 per box



Shape	Flame	Inverted Cone
Lmm	6.0	2.0
Ømm	1.6	2.2
ISO 807 104 ...	248 513 016	023 513 022
REF 535990 ...	3201	3202

Sintered diamond, standard grit (blue ring)

Used for: Ceramics, CoCr, non-precious alloys
 Maximum speed: 25,000rpm
 Grit: ISO 523, 120 µm (standard)
 Packing unit: 1 per box



Shape	Inverted Cone
Lmm	5.0
Ømm	8.0
ISO 807 104 ...	030 523 080
REF 535990 ...	3203

Sintered diamond, coarse grit (green ring)

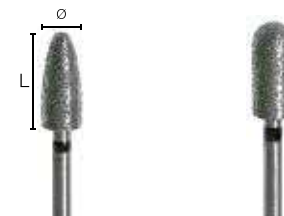
Used for: Ceramics, CoCr, non-precious alloys
 Maximum speed: 25,000rpm
 Grit: ISO 542, 135 µm (coarse)
 Packing unit: 1 per box



Shape	Cylinder
Lmm	10.0
Ømm	3.7
ISO 807 104 ...	112 542 037
REF 535990 ...	3204

Sintered diamond, super-coarse grit (thick black ring)

Used for: Ceramics, CoCr, non-precious alloys
 Maximum speed: 25,000rpm
 Grit: ISO 543, 180 µm (super-coarse)
 Packing unit: 1 per box



Shape	Flame	Cylinder, round
Lmm	12.0	12.0
Ømm	5.0	5.0
ISO 807 104 ...	274 543 050	143 543 050
REF 535990 ...	3205	3206

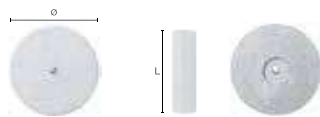
Laboratory Burs

Polisher

TwisTec® polishers are designed especially for the respective materials and are listed here in the order in which they are usually applied. Grits and bonds are excellently adapted to the materials to be worked on, such as ceramics, precious alloys, non-precious alloys or resins.

Polishers for ceramics, light grey, unmounted

Used for: Abrasive pre-polishing, eliminates diamond scratches (even in metal)
 Maximum speed: 20,000rpm
 Packing unit: 100 per box



Shape	Wheel	Cylinder	Knife-edge, big
Lmm	3.0	22.0	3.0
Ømm	22.0	6.0	22.0
ISO 658 900 ...	372 525 220	114 525 060	303 525 220
REF 535990 ...	2001	2002	2003

Polishers for ceramics, Diamond impregnation, yellow, mounted

Used for: High-gloss polishing
 Maximum speed: 10,000rpm
 Packing unit: 1 per box



Shape	Wheel, small	Point
Lmm	2.5	15.5
Ømm	14.5	5.5
ISO 802 104 ...	372 513 145	243 513 055
REF 535990 ...	2101	2102

Polishers for precious-metal alloys, brown, unmounted

Used for: Pre-polishing precious-metal and reduced-gold alloys, even veneering resins
 Maximum speed: 20,000rpm
 Packing unit: 100 per box



Shape	Wheel	Disc	Cylinder
Lmm	3.0	1.0	22.0
Ømm	22.0	22.0	6.0
ISO 658 900 ...	372 513 220	371 513 220	114 513 060
REF 535990 ...	2006	2007	2008

Laboratory



Laboratory Burs

Polishers for yellow-coloured alloys, green, unmounted

Used for: Abrasive pre-polishing, surface smoothing
Maximum speed: 20,000rpm
Packing unit: 100 per box



Shape	Wheel
Lmm	3.0
Ømm	22.0
ISO 658 900 ...	372 522 220
REF 535990 ...	2004

Polishers for yellow-coloured alloys, pink, unmounted

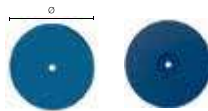
Used for: High-gloss polishing
Maximum speed: 15,000rpm
Packing unit: 100 per box



Shape	Wheel
Lmm	3.0
Ømm	22.0
ISO 658 900 ...	372 502 220
REF 535990 ...	2012

Universal metal polishers, for precious alloys, CoCr, Ti, blue, unmounted

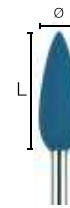
Used for: Pre-polishing, mat finish
Maximum speed: 20,000rpm
Packing unit: 100 per box



Shape	Wheel	Knife-edge
Lmm	3.0	3.0
Ømm	22.0	22.0
ISO 658 900 ...	372 522 220	303 522 220
REF 535990 ...	2204	2205

Universal metal polishers, for precious alloys, CoCr, Ti, blue, mounted

Used for: Pre-polishing, mat finish
Maximum speed: 20,000rpm
Packing unit: 12 per box



Shape	Point
Lmm	16.3
Ømm	5.5
ISO 658 104 ...	257 522 055
REF 535990 ...	2206

Polishers for CoCr and non-precious alloys, brown, unmounted

Used for: Abrasive pre-polishing, surface smoothing
Maximum speed: 20,000rpm
Packing unit: 100 per box



Shape	Wheel	Disc	Cylinder
Lmm	3.0	1.3	22.0
Ømm	22.0	22.0	6.0
ISO 618 900 ...	372 534 220	371 533 220	114 534 060
REF 535990 ...	2301	2302	2303

Polishers for CoCr and non-precious alloys, black, unmounted

Used for: (Standard) pre-polishing mat lustre
Maximum speed: 20,000rpm
Packing unit: 100 per box

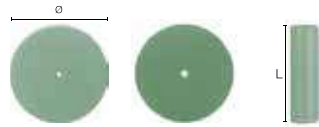


Shape	Wheel	Disc	Cylinder
Lmm	3.0	1.0	22.0
Ømm	22.0	22.0	6.0
ISO 652 900 ...	372 523 220	371 523 220	114 523 060
REF 535990 ...	2014	2015	2016

Laboratory Burs

Polishers for CoCr and non-precious alloys, green, unmounted

Used for: Fine polishing, mat lustre
 Maximum speed: 10,000rpm
 Packing unit: 100 per box



Shape	Wheel	Disc	Cylinder
Lmm	3.0	1.0	22.0
Ømm	22.0	22.0	6.0
ISO 652 900 ...	372 513 220	371 513 220	114 513 060
REF 535990 ...	2017	2018	2019

Polishers for denture resins, grey, mounted

Used for: Highly abrasive, replaces sandpaper
 Maximum speed: 10,000 – 15,000rpm
 Packing unit: 6 per box



Shape	Cylinder, round	Cylinders	Cylinder
Lmm	18.0	21.0	24.5
Ømm	15.0	7.0	10.0
ISO 658 104 ...	201 534 150	107 534 070	273 534 100
REF 535990 ...	2201	2202	2203

Polishers for CoCr, non-precious alloys, precious alloys, brown, red, green, unmounted, for insertion in mandrel, REF 5990 9001

Used for: CoCr, precious alloy
 Maximum speed: 20,000rpm
 Packing unit: 100 per box



Shape	Cylinder, round	Cylinder, round	Cylinder, round
Lmm	22.0	22.0	22.0
Ømm	3.0	3.0	3.0
Application	pre-polishing (coarse)	polishing (medium)	lustre polishing (fine)
ISO	618 000 114 533 030	658 000 114 513 030	658 000 114 503 030
REF 535990 ...	2401	2402	2403

Polishers for composite occlusal surfaces, light-grey, unmounted, for insertion in mandrel, REF 5990 9001

Used for: Composite, polishing (medium)
 Maximum speed: 20,000rpm
 Packing unit: 100 per box



Shape	Cylinder, round
Lmm	22.0
Ømm	3.0
ISO 658 000 ...	114 493 030
REF 535990 ...	2404

Laboratory

Laboratory Burs

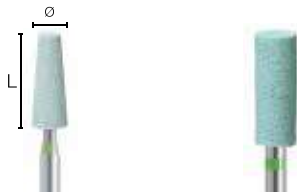


Abrasives, Separating Discs

TwisTec® abrasives with a ceramic bond are primarily suited for pressable ceramics, all-ceramics and veneering ceramics, but also for metal alloys. These instruments allow trimming of your ceramic object, from coarse abrasion to surface smoothing. TwisTec® separating discs are characterised by universal applicability and durability.

Abrasives, diamond impregnation, ceramic bond, light green

Used for: Ceramics, structuring pressable and veneering ceramics, ceramic bond
 Maximum speed: 10,000 – 15,000rpm
 Packing unit: 1 per box



Lmm	11.0	13.0
Ømm	4.0	5.0
Grain size	135 µm	135 µm
ISO 805 104 ...	173 534 040	107 534 050
REF 535990 ...	4002	4001

Abrasive with corundum, ceramic bond, pink

Used for: Ceramics, CoCr, non-precious alloys, very coarse abrasion
 Maximum speed: 20,000 – 30,000rpm
 Packing unit: 12 per box



Lmm	10.5	13.0
Ømm	3.5	6.5
Grain size	330 µm	340 µm
ISO 625 104 ...	168 523 035	107 533 065
REF 535990 ...	4105	4106

Abrasive with corundum, ceramic bond, brown

Used for: Ceramics, CoCr, non-precious alloys, coarse abrasion, structuring
 Maximum speed: 20,000 – 30,000rpm
 Packing unit: 12 per box



Lmm	10.5	13.0
Ømm	3.5	6.5
Grain size	230 µm	240 µm
ISO 635 104 ...	168 522 035	107 532 065
REF 535990 ...	4101	4102

Abrasive with silicon carbide, ceramic bond, green

Used for: Ceramics, CoCr, non-precious alloys, surface smoothing
 Maximum speed: 20,000 – 30,000rpm
 Packing unit: 12 per box

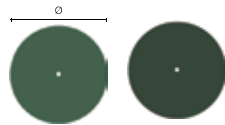


Lmm	10.5	13.0
Ømm	3.5	6.5
Grain size	130 µm	130 µm
ISO 655 104 ...	168 523 035	107 533 065
REF 535990 ...	4104	4103

Laboratory Burs

Separating disc, synthetic resin bond with extra-fine corundum grit

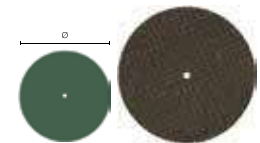
Used for: Separating, non-precious alloys precious alloys, CoCr
 Maximum speed: 15,000 – 20,000rpm
 Packing unit: 100 per box
 (REF 5990 4201, slightly, flexible)



Shape	Disc	Disc
Lmm	0.2	0.3
Ømm	22.0	22.0
ISO 613 900 327 ...	514 220	504 220
REF 535990 ...	4201	4202

Separating disc, synthetic resin bond with medium corundum grit

Used for: Separating sprues
 Maximum speed: 15,000 – 20,000rpm
 Packing unit:
 REF 5990 4203/100 per box
 REF 5990 4204/10 per box (extra strong, fibre-glass)



Shape	Disc	Disc
Lmm	0.6	1.0
Ømm	25.0	40.0
ISO 613 900 ...	327 524 250	371 534 400
REF 535990 ...	4203	4204

Accessories / Miscellaneous

Mandrels

Packing unit: 6 per box



Shape	Occlusal polishers	Wheels, Discs, Knife-edges	Wheels, Discs, Knife-edges	Cylinders
Lmm	22.0	3.0	3.0	13.0
Ømm	3.0	5.0	14.0	5.0
ISO	330 104 612 432 030	330 104 604 391 050	330 104 604 391 140	312 104 610 415 050
REF 535990 ...	9001	9002	9003	9004

Cleaning stone for sintered diamonds

For the cleaning and maintenance of sintering diamonds.



REF 535990 ... 3900

Diamond-covered dressing stone

Bilaterally coated, for centring and prepping rubber polishers and stones.



REF 535990 ... 9005

Laboratory



Laboratory Burs

Sets*

Cobalt Chrome Set, 11-part



5359909105

Product Code	ISO	Description	Ømm	Amount
Abrasive with corundum, pink				
5359904105	625 104 168 523 035	Cone, 330 µm	3.5	2 pieces
5359904106	625 104 107 533 065	Cylinder, 340 µm	6.5	2 pieces
Abrasive with silicon carbide, green				
5359904104	655 104 168 523 035	Cone, 130 µm	3.5	2 pieces
5359904103	655 104 107 533 065	Cylinder, 130 µm	6.5	2 pieces
Separating disc, medium, synthetic resin bond				
5359904204	613 900 371 534 400	Disc	40.0	2 pieces
Polishers for CoCr and non-precious alloys				
5359902016	652 900 114 523 060	Cylinder	6.0	2 pieces
Mandrels				
5359909002	330 104 604 391 050	Wheels, Discs, Knife-edges	5.0	1 piece
5359909003	330 104 604 391 140	Wheels, Discs, Knife-edges	14.0	1 piece
5359909004	312 104 610 415 050	Cylinders	5.0	1 piece
Sintered diamond, super-coarse grit				
5359903205	807 104 274 543 050	Flame, 180 µm	5.0	1 piece

TC Cutter Set, 14-part



5359909103

Product Code	ISO	Description	Ømm	Amount
HM-cutter cross-cut standard (blue ring)				
5359900003	500 104 198 190 023	Cone	2.3	1 piece
5359900004	500 104 289 190 023	Torpedo	2.3	1 piece
5359900010	500 104 194 190 040	Cone	4.0	1 piece
HM-cutter cross-cut fine (red ring)				
5359900014	500 104 197 140 023	Cone	2.3	1 piece
5359900015	500 104 289 140 023	Torpedo	2.3	1 piece
5359900020	500 104 194 140 040	Cone	4.0	1 piece
HM-cutter cross-cut superfine (yellow ring)				
5359900035	500 104 198 110 023	Cone	2.3	1 piece
5359900036	500 104 289 110 023	Torpedo	2.3	1 piece
5359900041	500 104 194 110 040	Cone	4.0	1 piece
TC bur, round				
5359900200	500 104 001 001 003	TC bur	0.3	1 piece
5359900204	500 104 001 001 008	TC bur	0.8	1 piece
5359900207	500 104 001 001 014	TC bur	1.4	1 piece
5359900211	500 104 001 001 027	TC bur	2.7	1 piece
TC Fissure bur				
5359900213	500 104 107 006 009	Fissure bur	0.9	1 piece

* These are non-stock items. Please allow 3-4 weeks for delivery

Laboratory Burs



Ceramic Set, 11-part



5359909104

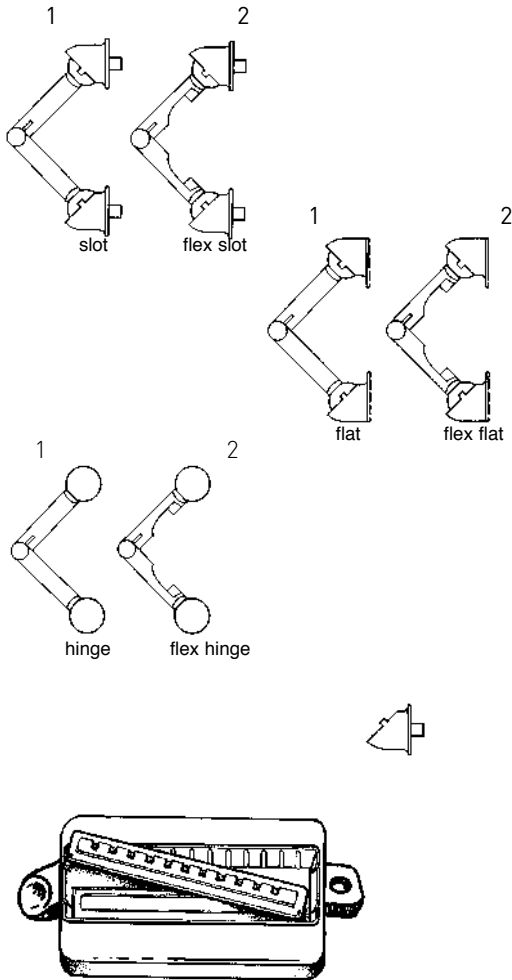
Product Code	ISO	Description	Ømm	Amount
Diamond cutters				
5359903001	806 104 001 524 012	Round, 110-120 µm	1.2	1 piece
5359903002	806 104 001 524 018	Round, 110-120 µm	1.8	1 piece
5359903004	806 104 010 524 023	Inverted cone, short, 110-120 µm	2.3	1 piece
5359903008	806 104 143 524 018	Cylinder, round, 110-120 µm	1.8	1 piece
5359903009	806 104 172 524 033	Flat, 110-120 µm	3.3	1 piece
5359903012	806 104 175 534 023	Long, round, 135 µm	2.3	1 piece
5359903018	806 104 247 524 014	Flame, 110-120 µm	1.4	1 piece
Diamond disc				
5359903105	806 104 355 524 220	Standard grit, 100 µm	22.0	1 piece
5359903106	806 104 396 514 220	Fine grit, 50 µm	22.0	1 piece
Polishers for ceramics, diamond impregnation, yellow, unmounted				
5359902101	802 104 372 513 145	Wheel, small	14.5	1 piece
Abrasives, diamond impregnation, light green				
5359904002	805 104 173 534 040	Cone, standard grit, 135 µm	4.0	1 piece

* These are non-stock items. Please allow 3-4 weeks for delivery

Laboratory

General Laboratory Products

Product Code



Articulators

Ceramco® Vertex Articulators

1. Articulator slot	100 pack	100510
2. Articulator flex slot	100 pack	100511

1. Articulator flat	100 pack	100513
2. Articulator flex flat	100 pack	100512

1. Articulator std hinge only		100520
2. Articulator flex hinge only		100521

Articulator slot socket only		100522
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Articulator trays & spines		100525
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Articulator adhesive 20gm		100530
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General Laboratory Products

Product Code

Gypsum Products



Labstone Dental Stone (yellowstone)
An all purpose stone for fabricating models and for flasking acrylic dentures. 8000 psi dry, ADA type III dental stone.

Labstone	11.34 kg. (25lb)	99203
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Modelling Wax

Wax		500gm
	High stability	64101005
	Universal all purpose	64102005
	Pinnacle hard	64103005
	Pinnacle standard	64103015



Modelling Cement®

Sticky wax		450gm	64110001
		12 sticks	64110002

Laboratory

Prosthetics

Product Code

Success® Injectable System Equipment



DENTSPLY's Success System is a high pressure injection moulding device that drives the resin into a closed flask to deliver the best fitting denture possible. It is the most versatile injection system in the world, creating a wide variety of denture appliances with consistent results and proven accuracy.

Success injection system (Flasks sold separately)	903090
Success Acrylic Starter Pack 1	903090SAP1
Includes:	
• 1 x Success Injection System	
• 1 x Component kit 100 pieces	
• 1 x Lucitone® 199 11-Unit Pack (231gm powder + 120ml liquid)	
• 2 x Success Flask Kit #1	



Flask		
	Kit#1	903025
	Kit#5	903026
	Metal bolts	903057
	Replacement flask	904936
Microwave flask		
	Kit	904831
	Flask bracket	902998
	Flask opener	903050
	Wrench - metal flask	903051
Cartridge		
	Component kit 100 pieces	903028
	100 pack	903029
Socket	100pk+100 heatseal bags	903030
Cartridge plug	100pk	903031
Piston cap	100pk	903032
Production		
	Cartridge kit 250 pieces	903033
	Socket kit 250 pieces	903034
Single		
	Space maintainer	903035
	Pressing device	903046
	Injection insert	903047
	Cartridge sleeve	903048
	Leveler	903049
Pressing device refit kit		904933
Sprue wax sticks	96 sticks	904584
Silicone o rings	50 pieces	903093
Large piston head		902977

Prosthetics

Product Code

Success® Flexible Resin System

Used with the success injection system, this flexible dental resin makes aesthetic partial dentures and very strong night guards. Material is available in prepackaged cartridges that are heated in the Success cartridge furnace which are then ready for precision injection.



Lucitone FRS™ resin Box/12 cartridges		
	Original shade	904854
	Light Pink	904855
	Light Red/Pink	904856
	Dark Pink	904857
	Clear	904853

Lucitone FRS Starter kit		905212
Includes:		
• Success Cartridge Furnace 240V		904949
• Cartridge Sleeve FRS		904862
• Injection Insert		904861
• Knockout Base		904863
• Knockout Rod		904864

Success cartridge furnace		904949
Heat lamp		904860L

FRS		
	Injection insert	904861
	Cartridge sleeve	904862
	Knockout base	904863
	Knockout rod	904864
Narrow piston head adaptor pack		904865

Thermoflex™ Success Injection System Adaptor

The Thermoflex acetal resin adapter hardware for the success injection system allows the user to heat and inject Thermoflex acetal resin using the FRS furnace and success.



Thermoflex/Success		
	Adapter conversion kit	N405100
	Injection sleeve cap	N405110
	Bench rest sleeve	N405130
	Teflon plungers (5)	N405120
	Filler stop disks (25)	N405140

Laboratory

Prosthetics

Product Code

Thermoflex™



Reformulated Thermoflex acetal resin delivers 18 tooth colours and can be used alone or in combination with other materials. Thermoflex acetal resin can be used for all types of temporary flexible restorations, including removable partial dentures and combination cases with metal frames. This material can be used in the Success injection system with the purchase of an adaptor. Ideal for tooth coloured clasps.

Thermoflex acetal 220g

A1	N406131
A2	N406132
A3	N406133
A3.5	N406134
A4	N406135
B1	N406136
B2	N406137
B3	N406138
B4	N406139
C1	N406140
C2	N406141
C3	N406142
C4	N406143
D2	N406144
D3	N406145
D4	N406146
Bleach 2	N406148

Lucitone® High Impact Acrylic Resin

Lucitone 199 is one of the world's leading high impact denture base materials with proven resistance.

Lucitone 199 original



Powder 11.34Kg	688111
Liquid 3785ml - (4 x946ml)	684315
Powder 630gm pack	688106
Liquid 430ml	684309
120 Unit pack (4 x630gm powder + 3 x430ml liquid)	688105
11 Unit pack (231gm powder + 120ml liquid)	688103
Lucitone Repair powder 1lb	680057
Lucitone Repair liquid 175ml	680007
Lucitone, light. 630g	688206
Lucitone, light Red Pink. 630g	688306
Lucitone, dark. 630g	688406

Lucitone, clear resin	630g	688506
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Prosthetics

Product Code

Luci-Sof® Soft Liner

Injectable (4 x50g cartridges)		904612
Injectable start up kit		904613
Includes:		
• 2 x Injectable cartridges		
• 1 x 30ml Bonder		
• 3 x Brushes		
• 1 x Scalpel		
• 1 x Faskut® Luci-sof bur		

Luci-Sof Sheets		
Luci-Sof	6pk sheet	904554
Luci-Sof bonder	30ml	904556
Luci-Sof Starter Pack		904559
Includes:		
• 7 x Sheets		
• 1 x 30ml Bonder		
• 3 x Brushes		
• 1 x Scalpel		
• 1 x Faskut® Luci-sof bur		



Stellon QC 20

Stellon QC 20 is a twenty minute quick cure denture base acrylic for aesthetic full and partial dentures. Stellon QC 20 provides sufficient working time and excellent handling for all laboratory environments, including hot climates.

Stellon QC 20		
	500g/250ml Pink veined	64015114
	Powder 12kg Pink veined	64015504
Universal denture liquid 1000ml		64005015

Rapid Repair

Rapid Repair, is a high quality, self curing acrylic denture repair material. It is strong and densely compact, which provides a non porous surface. Additionally, the acrylic maintains colour stability and excellent shade matching.

Rapid Repair		
	500g/250ml Pink veined	64020024
	Powder 2 x 500g Pink veined	64020274
	Liquid 1000ml	64020015



Laboratory

Prosthetics

Product Code



Orthoresin

Orthoresin is a self curing acrylic which allows easy construction of orthodontic appliances in the laboratory. Orthoresin is non porous and blanch free offering a high degree of clarity and strength. It will not run or slump and a brush/dropper method can be used for direct build up.

Pink	500gm/250ml	64040023
Clear	500gm/250ml	64040024
Powder	2 x500gm	64040200
Liquid Pink	1000ml	64040109
Liquid Clear	1000ml	64040110



Al-Cote®

Al-Cote separating agent is the ideal separator for the processing of acrylic on plaster based models. It chemically reacts with gypsum to form a film that is insoluble in water and monomer.

Al-Cote	3785ml	652502
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Special Tray material – (Acrylic)

Special Tray material is a self curing acrylic used for making high precision individual impression trays. It is very easy to shape and is clean to handle without sticking to instruments, models or fingers.

Special Tray material	500gm/250ml	64025002
	Liquid 1000ml	64025031
	Powder 3kg	64025103

PermaSoft® Reline Material

A powder-liquid, self-bonding, polyethylmethacrylate polymer. PermaSoft is the only methyl-methacrylate free soft liner on the market. It is an easy to use, intermediate to long term, denture soft liner that satisfies numerous clinical situations.



PermaSoft	60gm kit Pink	N811000
	60gm kit Clear	N811100
	Pink & Clear kit	N811500
	120gm kit Pink	N812000
	120gm kit Clear	N812100
	Liquid 60ml	N814002
	Liquid 500ml	N814005

PermaSoft powder	60gm	Pink	N815002
	120gm	Pink	N815003
	500gm	Pink	N815005
	60gm	Clear	N815102

Prosthetics

Product Code



Triad® Light Unit

This compact, convenient light unit features a powerful tungsten halogen lamp, spacious chamber, rotating adjustable height turn table and ten minute timer.

Triad 2000 light unit	70248X
Bulb replacement Triad 2000	70353
Triad I VLC replacement bulb	95775

Triad® Light Cure Materials

Triad Tru-Tray is an oversized translucent custom tray material. Cures in four minutes in the Triad 2000 curing unit.

Triad Tru Tray sheet	Box 30 (clear)	89904
	Box 100	89905

Triad Custom Tray

Available in convenient, easy to use, blue sheets. The cured tray is stable, strong and usable immediately without distorting the impression.

Triad Custom Tray (Blue) box 30	95752
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Triad hi-flow reline material

Over 50% more flowability than regular Triad VLC reline material. Make reline impressions faster. Thixotropic formula retains accuracy before curing.

Triad VLC Hi-Flow reline	Light Pink fibre. 6pk	88975
	Regular Pink fibre. 6pk	88977

Other

Temp. Crown and bridge material	Liquid	666005
	Powder #62	666001
	Powder #65	666002
Poly separator sheets	200pk	64005900



Laboratory

Prosthetics

Product Code

Triad® Light Cure Materials (continued)



Triad Provisional Material

Makes aesthetic temporary crowns and bridges more quickly. Available in ropes in 6 tooth coloured shades and 1 enamel.

Triad rope ivory	Extra light	6pk	89302
	Light	6pk	89304
	Medium	6pk	89305
	Dark	6pk	89306
	Medium Yellow	6pk	89732
	Assorted	7pk	89311

Triad rope enamel		6pk	89307
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Triad Gel

Clear flowable resin dramatically cuts orthodontic appliance fabrication finishing time.



Triad Gel	4 x 22g pack		
	Assorted		88762
	Clear		88859
	Clear Pink		88860
	Blue		88750
	Red		88751

Triad Transheet material

Premixed translucent sheets, great for orthodontic and implant work.

Triad Transheet	24pk		
	Clear		89272
	Clear Pink		89274



Triad Denture Base material

For complete dentures, partial denture saddles, repairs, orthodontic appliances, record bases and more. Excellent flex strength properties.

Triad base rope	6pk		
	Regular Pink fibre		9574302
	Light Pink fibre		9574301

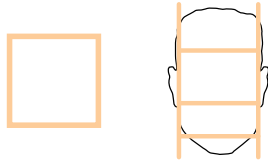
Triad base sheet	30pk		
	Light Pink fibre		95750
	Regular Pink fibre		95751
	Regular Pink no fibre		9576801
	Light Pink fibre. (6pk-only)		9574201

Triad accessories

Triad Air Barrier coating	5oz		95759
	32oz		95760
Triad model release agent	4oz		95762
Triad VLC bonding agent	20ml		95765

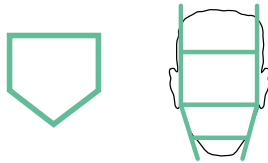


Teeth



The Square Face

In the Square Form, the sides of the face, from the hairline to the levels of the condyles to the angles of the jaw are straight and parallel.



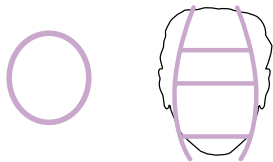
The Square Tapering Face

In this form, the sides of the head are parallel from the condyles upward. From the condyles downward along the sides of the face, the outline tapers in to the angles of the jaw.



The Tapering Face

The Tapering Face is widest at the hairline and narrowest at the angles of the jaw. The lines converge in toward the jaw.



The Ovoid Face

The Ovoid Face is widest through the center at the level of the condyles. It curves upward and downward to form an oval outline.

Portrait™ IPN®

Portrait IPN teeth are able to mimic the gradual wear of tooth enamel, while delivering outstanding occlusal integrity and long-lasting aesthetics. The low wear feature is due to a proprietary chemistry that employs an Interpenetrating Polymer Network (IPN). This is formed when a highly engineered cross-linked polymer is combined with a special cross-linked monomer to form a highly wear-resistant double cross link.

For lasting assurance of premium performance, dental professionals turn to Lucitone® 199. Superior impact resistance, breathtaking aesthetics, and fit that's second-to-none make these the gold standard of resins.

Portrait IPN teeth are available in all 16 A-D shades. These teeth – developed, tested and approved through research involving more than 2,000 dentists and lab technicians from North America – deliver an unmatched combination of aesthetics, function and performance. Each anterior tooth blends three different shaded layers of IPN material, creating five distinct aesthetic zones.

Four Basic Facial Forms

The principle of natural aesthetic harmony between face form and maxillary anterior tooth arrangement has been well demonstrated by clinical research and extensive application in many private dental offices.

In essence, the principle is this: There are four basic face form classifications observed in nature. For each of these categories, there is a workable corresponding basic anterior tooth arrangement. Similarly, modifications appearing in the basic face form may be reflected by corresponding modifications in the anterior arrangement.

To the left, we describe and illustrate the four face forms. A suggested procedure is to use the Trubyte Tooth Indicator [#98981] to classify the patient by face form. Final customisation can be accomplished at the try-in appointment.

Laboratory

Teeth

The Mould Classification System

Steps to Identify and Select Anterior Moulds

First Number

STEP 1:

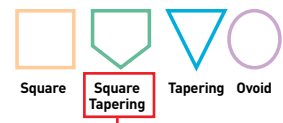
Using the classification from the previous page, select the number from 1 to 7 that best represents the patient's facial form.

The number selected is the first character of the mould identification number, located in the upper left corner of the tooth card.

In the ovoid and ovoid combination forms, the mesio-distal aspect of the labial surface of the maxillary centrals is more or less round. In the square, square tapering and tapering forms, it is more or less flat.

Classification

1. Square
2. Square Tapering
3. Square Ovoid
4. Tapering
5. Tapering Ovoid
6. Ovoid
7. Square Tapering Ovoid



Second Number

STEP 2:

Using a flat device such as the Trubyte Tooth Indicator (#98981), select the number from 1 to 6 that represents both the proportion of the tooth (long, medium or short) as well as the facial contour (straight or curved).

The number selected is the second character of the mould identification number.

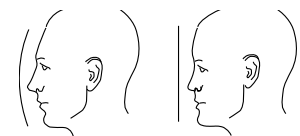
Proportion and Contour

Proportion of the Tooth

1. Long
2. Medium
3. Short
4. Long
5. Medium
6. Short

Facial Contour

- Straight
Straight
Straight
Curved
Curved
Curved



Letter

STEP 3:

Measure the width of the upper six anterior teeth on the curve, from distal to distal.

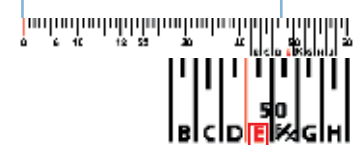
The measurement will fall into one of the ranges identified with the letters B through J.

The letter selected is the third character of the mould identification number.

Some moulds may vary from this standard. Please consult mould chart dimensions.

Width of Upper Six Anterior Teeth on Curve

- B. less than 44.00mm
- C. 44.00 to 45.50mm
- D. 45.50 to 48.00mm
- E. 48.00 to 49.00mm
- F/X. 49.00 to 51.50mm
- G. 51.50 to 54.00mm
- H. 54.00 to 56.00mm
- J. 56.00mm or greater



Portrait® IPN®

Once you have selected the upper anterior mould form, simply read across the chart from left to right to combine the suggested corresponding lower anterior form, as well as the appropriate posterior form for accurate articulation.

Suggested articulations and combinations					
Trubyte Anteriors		Trubyte Posterior Moulds			
	Non-Anatomical	Semi-Anatomical		Anatomical	
Anterior Upper Mould No.	Articulates With Anterior Lower	Portrait 10° IPN Anatoline	Portrait IPN 22° BioStabil	Portrait IPN 33°	Portrait 40° EuroLine
11G	R	332	532	32L	732
11H	S, W	334	533	34L	734
12E	M, N	332	532	32L	732
12F	N	334	532	34L	734
12G	G, R, V	334	533	32L	734
13E	H	330	530	32L	730
21C	C	330	530	30L	730
21D	F	330	530	30L	730
21E	O	332	530	30L	732
21G	W	334	532	34L	734
21J	I, K1, Rx, Z	334	532	34L	734
21X	W	332	533	32L	732
22C	C	330	533	30L	730
22E	H	330	533,	30L	732
22G	O, P	334	532	32L	732
22H	P	334	530	32L	734
24F	F, G, H	332	530	30L	732
25G	R	334	532	32L	734
31F	J, O, S	334	533	32L	734
32B	C	330	532	30L	730
32E	H	332	533	30L	732
32G	S	334	532	32L	732
41J	I, K1, Rx	334	530	32L, 34L	734
42D	F	330	532	30L	732
42F	H	332	533	32L	732
42G	O, P	332	532	32L	732
43D	C	330	532	30L	732
43F	M, N,	330	533	30L	730
45F	J, O	332	530	32L	730
45H	R, V	332	530	32L	730
52C	C, D	330	532	30L	734
54F	J, N	332	532	32L	730
55D	E	332	533	30L	732
55F	M	332	530	32L	732
62D	F	330	532	30L	732
62G	K1, R, Rx	334	532	32L	734
65G	J, O	334	532	32L	734
74E	L	330	533	30L	734
74H	K1	330	530	30L	730
75E	N	330	532	30L	734
75G	R, V	332	530	32L	734
A84	N	332	532	32L	734

Quick Reference Guide for Mould and Shade Popularity
 Shades and Moulds are listed in Order of Preference based on Product Sales

Laboratory

Portrait® IPN®



Two Decades of IPN Material Performance

IPN teeth are able to mimic the gradual wear of tooth enamel, while delivering outstanding occlusal integrity and long-lasting aesthetics. The low wear feature is due to a proprietary chemistry that employs an Interpenetrating Polymer Network (IPN). This is formed when a highly engineered cross-linked polymer is combined with a special cross-linked monomer to form a highly wear-resistant double cross link.

IPN teeth are available in Portrait IPN.



Portrait IPN Shade Popularity

A1, A2, A3, A3.5, B1, B2, C1, C2



Portrait IPN Anterior Mould Preference

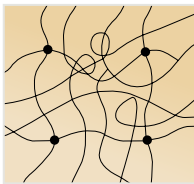
Uppers

Small Moulds: 21D, 42D, 55D
 Medium Moulds: 12E, 22E, 42F, 32E, 13E, 43F
 Large Moulds: 11H, 45H, 12G, 21X, 21J, 62G

Lowers

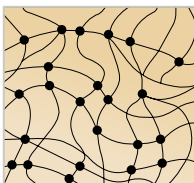
Small Moulds: F, C, E
 Medium Moulds: N, H, P, M
 Large Moulds: S, R, K1, O

Conventional Acrylic Material



Single Cross-Linked Polymer

IPN Material



Double Cross-Linked Polymer

Portrait IPN Posterior Mould Preference



















Portrait IPN Anatoline:	332, 334	Portrait IPN
22° BioStabil:	532	
Portrait IPN 33°:	32L, 34L, 30L,	Portrait IPN
40° EuroLine:	732	

Portrait® IPN® – Upper Anteriors

Mould No.	Square			Mould No.	Square Tapering		
	Length of Central w/o Collar (mm)	Width of Central (mm)	Width of 6 Anteriors on Curve/Flat (mm)		Length of Central w/o Collar (mm)	Width of Central (mm)	Width of 6 Anteriors on Curve/Flat (mm)
11G	11.10 48.00	8.75	52.00	21C	10.00	7.70	45.50 42.00
11H	11.60	9.35	54.50 50.50	21D	10.50	8.05	47.00 44.00
12E	10.60	8.50	50.00 45.50	21E	12.00	9.00	51.00 46.00
12F	10.25	8.50	50.50 47.00	21G	12.00	9.75	56.00 52.00
12G	10.60	9.15	53.00 49.00	21J	12.40	10.20	58.00 54.50
13E	9.30	8.10	47.50 44.00	21X	10.90	8.75	50.00 46.50
				22C	9.85	7.70	44.50 41.00
				22E	10.75	8.50	49.00 45.00

Laboratory

Portrait® IPN® – Upper Anteriors










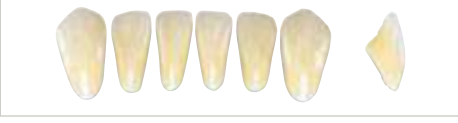


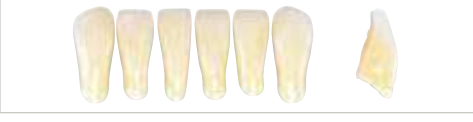
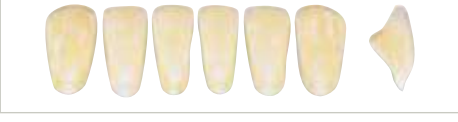






Mould No.					Mould No.				
	Square Tapering	Length of Central w/o Collar (mm)	Width of Central (mm)	Width of 6 Anteriors on Curve/Flat (mm)		Tapering	Length of Central w/o Collar (mm)	Width of Central (mm)	Width of 6 Anteriors on Curve/Flat (mm)
22G		9.60	8.60	51.00 47.00	41J		13.25	10.00	58.00 53.50
22H		12.10	9.25	54.00 50.00	42D		10.25	8.00	48.00 43.50
24F		12.00	8.45	48.00 44.50	42F		10.50	8.45	50.00 46.50
25G		10.10	8.70	51.50 47.50	42G		10.40	8.70	52.00 48.00
	Square Ovoid				43D		8.70	7.85	45.50 41.50
31F		11.50	8.60	49.50 46.00	43F		9.60	8.80	49.00 45.50
32B		9.20	7.50	44.00 40.50	45F		10.75	9.00	51.50 46.50
32E		10.00	8.20	49.00 45.00	45H		11.25	8.85	54.00 49.50
32G		11.20	8.95	52.50 49.00					

Portrait® IPN® – Upper Anteriors

Mould No.	Tapering Ovoid			Mould No.	Ovoid		
	Length of Central w/o Collar (mm)	Width of Central (mm)	Width of 6 Anteriors on Curve/Flat (mm)		Length of Central w/o Collar (mm)	Width of Central (mm)	Width of 6 Anteriors on Curve/Flat (mm)
52C	9.00	7.40	44.00 40.00	62D	10.10	8.10	47.00 43.00
54F	11.50	8.65	49.00 45.00	62G	11.90	9.20	52.50 48.50
55D	10.25	8.25	47.50 43.50	65G	11.50	9.00	52.00 47.50
55F	10.85	8.50	50.50 46.50	Square Tapering Ovoid			
				74E		11.00	8.30 49.00 44.50
				74H	12.25	9.00	54.00 50.00
				75E	11.00	8.35	49.50 45.50
				75G		11.20	9.10 53.50 49.00
				A84	11.60	8.45	48.50 44.50

Laboratory

Portrait® IPN® – Lower Anteriors

Mould No.	Lower Anteriors	Length of Central (mm)		Width of 6 Anteriors on Curve/Flat (mm)	Mould No.	Lower Anteriors	Length of Central (mm)		Width of 6 Anteriors on Curve/Flat (mm)
		w/o Collar	w/ Collar				w/o Collar	w/ Collar	
C		9.00	4.90	35.00 31.50	M		8.80	5.05	39.50 35.00
D		8.25	4.55	33.50 30.50	N		9.10	5.20	38.00 33.50
E		9.40	4.95	38.00 33.50	O		9.80	5.40	40.00 35.50
F		8.85	4.95	36.50 32.00	P		8.75	5.40	39.50 35.50
G		9.65	5.10	38.00 34.00	R		9.25	5.20	40.50 36.00
H		9.10	4.90	36.50 32.00	S		9.65	5.70	40.00 38.50
I		12.25	5.75	43.00 36.00	U		10.50	5.75	42.00 38.50
J		10.25	5.50	40.50 35.50	V		9.00	5.60	41.50 37.00
K1		11.85	5.90	43.50 38.50	W		10.25	5.75	42.00 39.00
L		9.00	5.15	37.00 33.00	RX		12.75	5.75	42.00 37.00

Portrait® IPN® – Posteriors

10° Posteriors

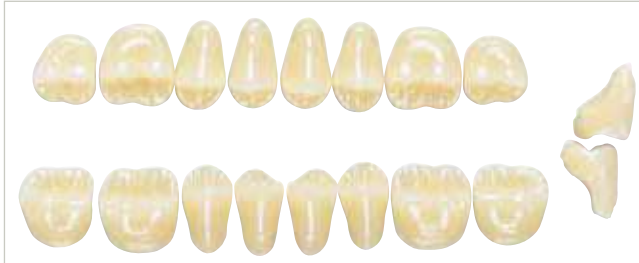
The look of well-worn natural teeth. Shallow cusps minimise interference, yet provide a definite centric. In occlusion, the upper lingual cusps align to form an exceptionally efficient "lingual cutting knife."

330



X = 30.00
Y = 32.00
U = 7.70
L = 8.25

332

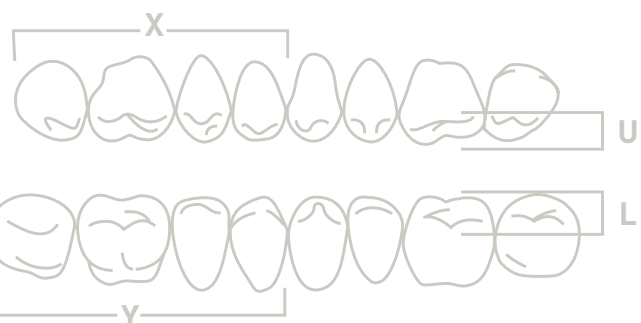


X = 32.00
Y = 34.50
U = 8.50
L = 9.25

334



X = 34.00
Y = 36.50
U = 9.10
L = 9.40

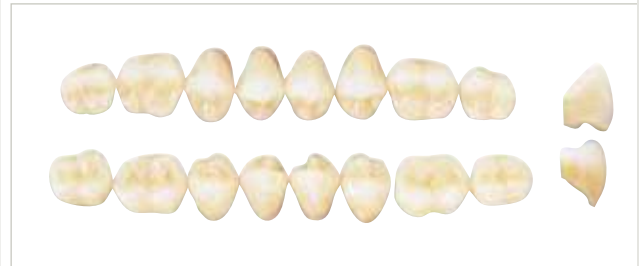


320

22° Posteriors

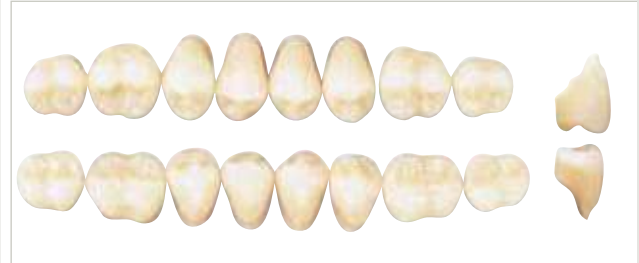
Aesthetically and functionally suited for complete and partial dentures. Shallow non-interfering cusps facilitate freedom in all excursions.

530



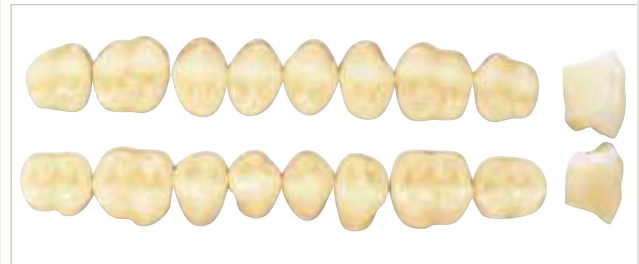
X = 30.00
Y = 31.50
U = 7.90
L = 8.25

532



X = 32.00
Y = 33.50
U = 8.65
L = 9.00

533



X = 33.00
Y = 34.50
U = 10.00
L = 9.70

The average width of a 1x4 set of upper posteriors = X;
the lower posteriors = Y.

The average depth of the upper left first molar = U;
the lower left first molar = L.

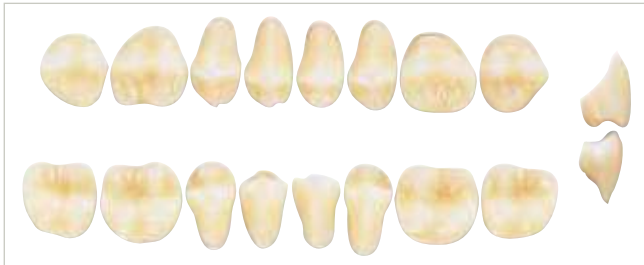
Laboratory

Portrait® IPN® – Posteriors

33° Posteriors

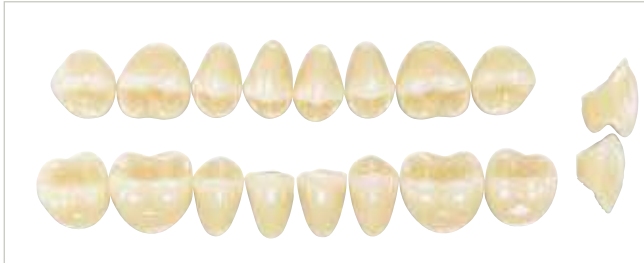
Fully anatomical with natural cuspal contours. Ideal for complete and partial dentures which occlude with well-developed natural teeth.

30L



X = 30.00
Y = 32.50
U = 7.90
L = 8.25

32L



X = 32.00
Y = 35.00
U = 8.50
L = 8.75

34L

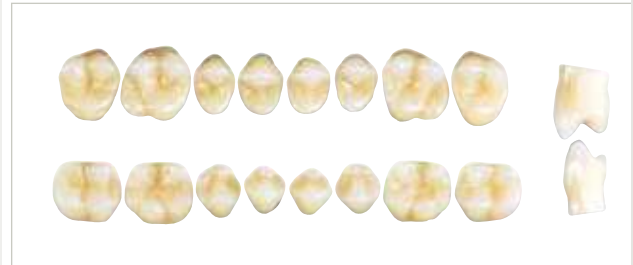


X = 34.00
Y = 36.75
U = 8.90
L = 9.30

40° Posteriors Euroline

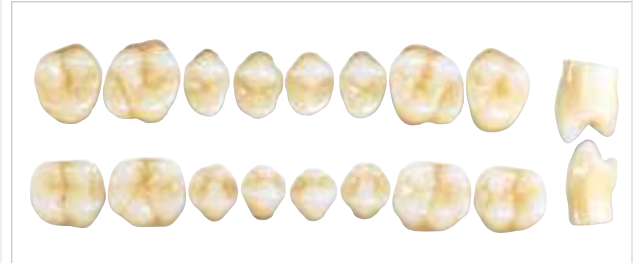
EuroLine IPN 40° posteriors are German designed with a natural-looking "young" occlusal pattern, wide food table and long crown form. Using 30° incisal and condylar guidance settings, they can be arranged for maximum efficiency, aesthetics and integration in full, partial or combination cases.

730



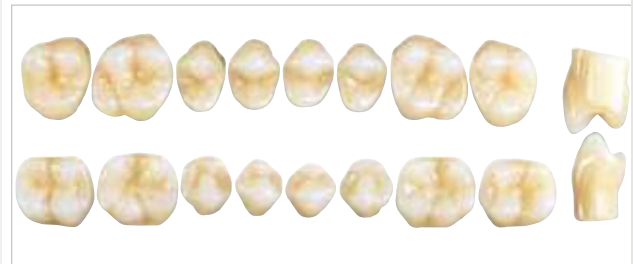
X = 29.00
Y = 30.70
U = 9.90
L = 8.30

732



X = 32.00
Y = 33.60
U = 11.00
L = 9.20

734



X = 33.50
Y = 35.50
U = 11.50
L = 9.60

Poor Ridge



Flat Plane



Non-Anatomica

Average Ridge



Modified Cusp



Semi-Anatomica

Good Ridge



Deep Cusp



Anatomica

Cosmo HXL – Upper Anteriors

Natural and Functional

To realise our goal of re-creating natural and functional teeth in a reduced and economical assortment, DENTSPLY amalgamated all resources from research, materials, up-to-date production methods, whilst maintaining the rigorous quality control it is renowned for.

The Natural Choice

The success of this tooth-line is based on a perfect combination of:

- Comprehensive mould variety
- Natural Aesthetics
- Easy shade selection with popular V-shades
- Patient comfort due to physiologically reduced cusps
- Easy handling, perfect interdigitation
- Excellent material properties

Superior HXL Material


















Cosmo teeth are made of HXL (= highly cross-linked) high quality PMMA resin. This ensures outstanding wear rates.

Easy Handling

The logical mould coding (tapering, round, square) makes the shape selection easier and more convenient. Moreover Cosmo HXL posteriors are easy to set-up due to their reduced cusp angle of 20°.

All Cosmo HXL teeth are available in the most popular V-shades. This shade selection is simplified, too. The comprehensive mould variety helps to minimise the tooth stock without losing the flexibility to fulfil every prosthetic case.





Mould No.	Tapering		Width of the complete set inmm	Length of the centrals without neck inmm	Width of the centrals inmm
					
T2			40.2	8.9	7.3
T4			40.6	9.5	7.7
T6			42.2	9.6	8.2
T8			43.4	10.0	8.1
T10			42.8	10.0	7.8
T12			44.7	10.7	8.6
T14			45.8	10.2	8.4
T16			45.4	10.7	8.7

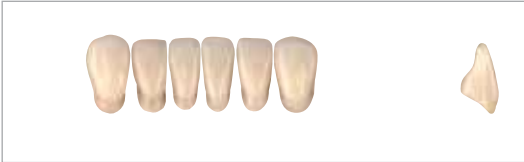


Available in V-shades (A1–D4, without C1 and B1)

Laboratory

Cosmo HXL – Upper Anteriors

Mould No.	Tapering 			Mould No.	Square 		
	Width of the complete set inmm	Length of the centrals without neck inmm	Width of the centrals inmm		Width of the complete set inmm	Length of the centrals without neck inmm	Width of the centrals inmm
T18	47.6	10.9	9.0	S2	40.8	8.6	7.7
T20	51.2	11.3	9.6	S4	43.7	9.2	8.2
T22	53.8	12.2	10.0	S6	43.3	9.8	8.3
				S8	45.3	9.4	8.8
				S10	45.2	10.1	8.2
R2	40.6	9.0	7.6	S12	46.6	10.4	8.7
R4	42.6	9.7	7.9	S18	50.2	11.5	9.5
R6	44.5	9.6	8.2				
R8	45.7	10.7	8.4				

Cosmo HXL – Lower Anteriors

Mould No.	Lower Anteriors	Width of the	Length of the centrals	Width of the centrals
		complete set inmm	without neck inmm	inmm
L1		29.8	8.2	4.3
L3		30.6	8.6	4.6
L5		31.5	8.7	4.6
L7		33.1	10.0	4.9
L9		35.9	10.0	5.7
L11		38.1	10.1	5.7
L13		39.5	11.0	5.7

Combination table

Cosmo HXL		
Upper Anteriors	Lower Anteriors	Posteriors
T2	L1/L3	91
T4	L1/L3	91/92
T6	L3/L5	91/93
T8	L5/L7	92/93
T10	L5/L7	92/93
T12	L5/L7	92/93
T14	L7/L9	92/93
T16	L7/L9	93/94
T18	L7/L9	93/94
T20	L9/L11/L13	94/95
T22	L13	95
R2	L1	91
R4	L5	92/93
R6	L5/L7	92/93
R8	L7	92
S2	L1/L3	91
S4	L3/L5	91/93
S6	L3/L5	93
S8	L7	93
S10	L7	93
S12	L7	93
S18	L11/L13	95

Available in V-shades (A1–D4, without C1 and B1)

Laboratory

Cosmo HXL – Lower Posteriors

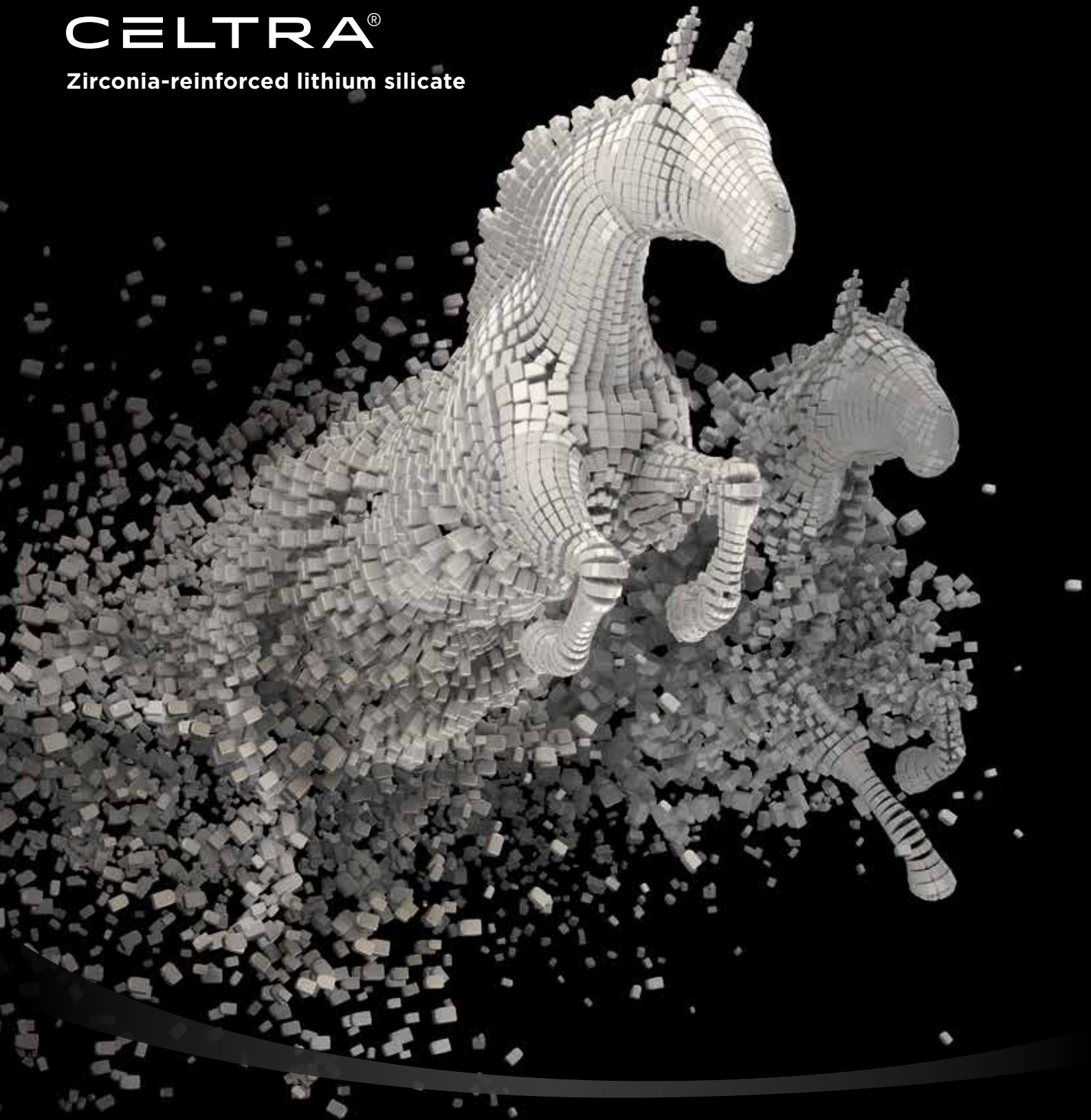


Mould No.	Lower Posteriors		Half the width of the set in (mm)	Width of the first molar in (mm)
	Upper	Lower		
91			28.9	8.4
			30.9	7.6
92			28.7	8.5
			30.7	7.9
93			29.9	8.4
			32.7	7.2
94			30.5	8.8
			33.3	7.4
95			33.0	9.5
			35.3	8.7

Available in V-shades (A1–D4, without C1 and B1)

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