



## Pala® Mix & Match

### Pala Mondial/Pala Mondial i

Mould Charts



That's Prosthetics.

**Mondial 8i - 5°.** Makes combining function and esthetics a greater possibility.



## Perfection at your Fingertips

The innovative Mondial 8i-5° posterior denture teeth feature lifelike flat cusps tailored to suit implant overdentures and geriatric prosthetics.



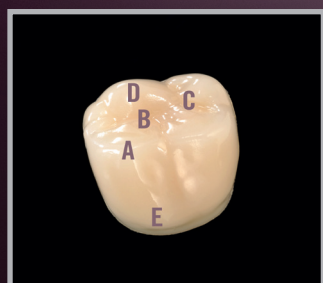
That's Prosthetics.

## Mondial 8i - 5° Moulds



## Mondial 8i - 5°

- Perfect coverage of tertiary and implant structures through wider cervical area and high tooth volume
- Better interdental closure and optimal cleanability through bigger proximal surfaces
- Best Possible Manufacturing - Safe and fast set-up through definite bite index and maximized freedom in the centric relation
- High wear and break resistance due to Nanopearls® material technology. The special Pala Mondial i morphology reduces excessive initial wear.



- A Lifelike, flat cusps
- B Lifelike fossa
- C Shallow fossa
- D Provision for spot grinding in the incisal edge
- E Widened base and more volume















To learn more about Mondial/Mondial i call 1-800-431-1785 or visit [www.heraeus-dental-us.com](http://www.heraeus-dental-us.com).

# The Pala Mix & Match combination principle: The freedom to combine aesthetic and functionality at your will.

Combining CAD CAM technology and the INCOMP procedure maintains our exemplary form and functional accuracy. You always receive reliable, dependable shade values for all Pala denture teeth and thus an even better adaptation to facings and any residual dentition.

Mondial and Mondial i provide maximum flexibility with reliable, easily set up dentures for all indications. Identical manufacturing processes and materials as well as excellent color stability permits the lines to be combined freely.

Anterior Indications <small>Even better through new tooth moulds R8, S8, L24, and L19</small>			
<b>Mondial 6</b>	 Full Denture	 Implant-Borne Denture	 Partial Denture
<b>Mondial 6i</b>	 Implant-Borne Denture	 Partial Denture	 Full Denture

Posterior Indications			
<b>Mondial 8</b>	 Full Denture	 Implant-Borne Denture	 Partial Denture
<b>Mondial 8i</b>	 Partial Denture	 Implant-Borne Denture	 Full Denture

## Introducing Pala Mondial i –

**The new line extension within Mondial, featuring additional new moulds for the anterior and an added 33° for the posterior.**

Mondial i carries additional features such as increased transparency and an enhanced incisal edge for those special cases or customers who require enhanced characteristics. The multiple layers of dentin and enamel are blended to create a natural, lifelike effect and are easily integrated with residual dentition.

Use Mondial and Mondial i together to create the perfect custom smile according to the patient's wishes and your preference, ensuring 100% customer satisfaction.

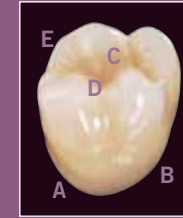
# Mondial i - the facts

- Denture Acrylic with NanoPearls® for high abrasion resistance and lifelike opalescence
- Our teeth can be applied to any set-up concept or for eugnathic and disgnathic jaw relationships and give the technician greater flexibility.
- True to nature moulds identical with natural teeth
- Indistinguishable from residual dentition
- Widened base and increased volume for improved papillae contouring



## Mondial 6i Anteriors

- A Variable cervical area
- B Wide tooth base
- C Lifelike labial surface
- D Layering simulates natural teeth
- E 3D-Multilayering
- F Naturally contoured labial surface



## Mondial 8i Posteriors

- A Variable cervical area
- B Wide tooth base
- C Occlusion design allows lingual and balanced occlusion set-up
- D Width of occlusal surface similar to natural teeth
- E Provision for spot grinding in the incisal edge

The new anteriors have significantly more volume and are a prominent highlight of the extended Pala Product range.

- A widened base, greater use of tooth length and depth through greater volume, improved overall aesthetics, easier masking
- Less concave palatal areas means lower lateral forces and higher stability
- Larger proximal areas mean best possible proximal closing and better overall aesthetics
- Rounded canines give patients a more natural appearance

## Main Indications

- Implant-borne and fixed-removable prosthetics
- Veneering technique, exclusive full denture prosthetics

## Anteriors widen the Mondial i Portfolio

New Moulds R8, S8, L19, L24



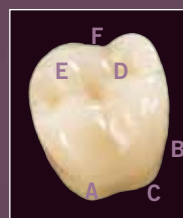
# Mondial - The facts

- Fast and unambiguous set-up
- Precisely defined centric means simple set-up
- Precise function without time consuming spot grinding
- NanoPearls guarantees high abrasion resistance and durability
- Lifelike and vivid surface structures match the basic tooth form and appear harmonious.
- Widened tooth base and increased volume aid papillae contouring and eliminate dark recesses and vertical edges.



## Mondial Anteriors

- A Variable cervical area
- B Wide tooth base, soft transition
- C Lifelike surface structure
- D Layering + Material = Opalescence



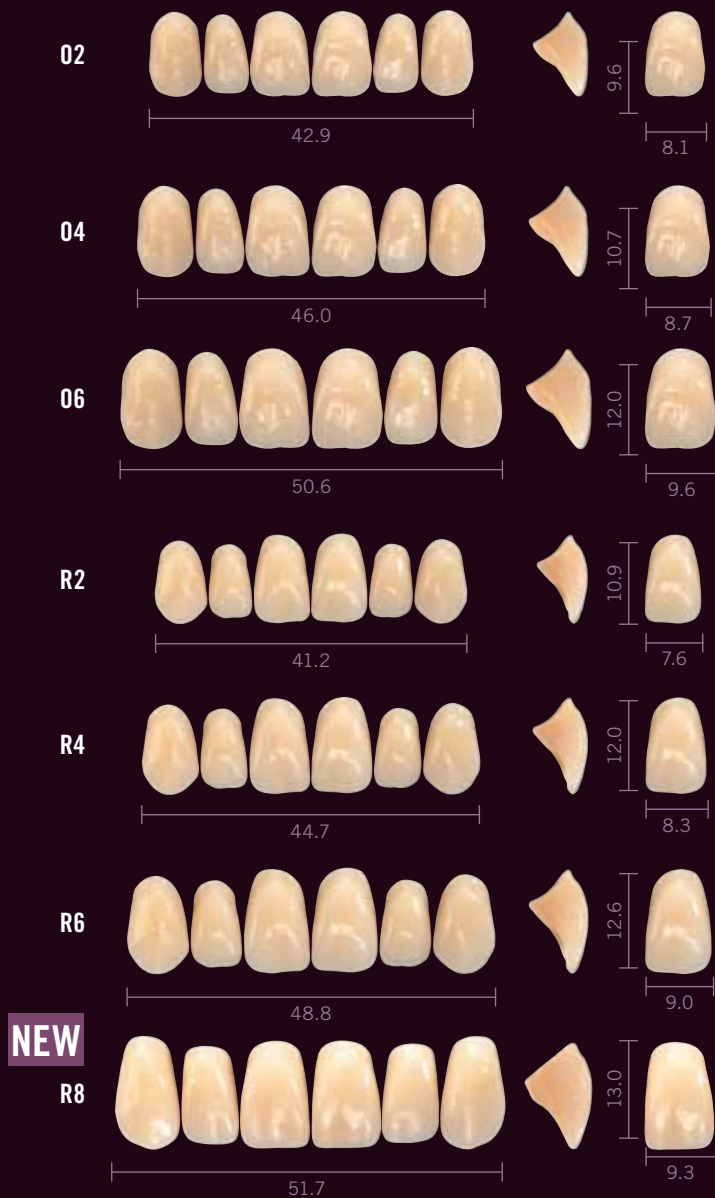
## Mondial Posteriors

- A Variable cervical area
- B Wide tooth base
- C Bilaterally digitalized, symmetrical
- D Functionally improved occlusal design
- E Provision for spot grinding in the incisal edge
- F Lifelike cusp design

Pala Mondial is the time tested denture tooth that meets all the requirements of modern dental technology. It is the first line of denture teeth to feature NanoPearls and guarantees highest abrasion resistance. The large selection of mould designs provides much flexibility when choosing teeth for the denture.



# Mondial 6i Anteriors / Antérieures





**NEW**

**L19**



**L20**



**L22**



**NEW**

**L24**



# Pala Mix & Match



# Mondial 6

Anteriors / Antérieures

O  
444



R  
449



T  
405



O  
457



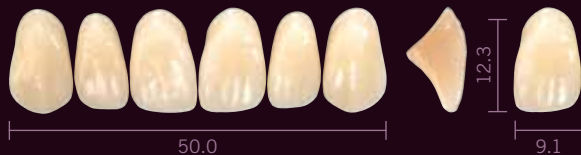
R  
455



T  
442



O  
510



R  
483



T  
450



O  
525



S  
443



T  
465



R  
410



S  
445



T  
477



R  
420



S  
453



T  
515



L  
315



L  
331



L  
341



L  
362



L  
369



L  
373



L  
378



L  
382



L  
384



L  
398







Pala Mix & Match







# Pala Mix & Match

Mould numbers and possible combinations

The following chart shows the Mondial and Mondial i teeth combinations to illustrate how customized your solutions can be.

Mondial 6 UPPER			Mondial 6 LOWER		Mondial 8i 33°		Mondial 8 10°–20°	
Ovoid Ovoide		O444 O457 O510 O525	L341, L373, L369 L369, L362 L384, L398 L398	S/SL S/SL + M/ML L/LL L/LL	30, 33 32, 35 32, 37 32, 37			
Rectangular Rectangulare		R410 R420 R449 R455 R483	L331, L341 L331, L341 L362, L369, L373 L362, L369 L378, L382	XS/XSL XS/XSL + S/SL S/SL + M/ML S/SL + M/ML M/ML + L/LL	28, 29, 31 28, 30, 31, 33 30, 32, 33, 35 30, 32, 33, 35 32, 35, 37			
Square Carré		S443 S445 S453	L373, L369 L341, L369 L373, L362	S/SL S/SL S/SL	30, 33 30, 33 30, 33			
Triangular Triangulare		T405 T442 T450 T465 T477 T515	L315 L331, L341, L362 L341, L369 L362, L378 L382, L378 L384	– XS/XSL + S/SL S/SL M/ML M/ML L/LL	28, 29 28, 30, 31, 33 30, 33 32, 35 32, 35 32, 35, 37			

		Mondial 6i UPPER	Mondial 6i LOWER	Mondial 8i 33°	Mondial 8 10° – 20°
Ovoid Ovoide		O2 O4 O6	L12, L14 L16, L18, L19 L19, L20, L22	XS/XSL + S/SL S/SL + M/ML L/LL	28, 30, 31, 33 30, 32, 35 32, 37
Rectangular Rectangulare		R2 R4 R6 R8	L12 L14, L16 L18, L19 L24, L22	XS/XSL + S/SL S/SL + M/ML M/ML + L/LL L/LL	28, 30, 31, 33 30, 32, 33, 35 32, 35, 37 37
Square Carré		S2 S4 S6 S8	L14, L16 L18, L19 L20, L22 L24, L22	XS/XSL + S/SL M/ML L/LL L/LL	28, 30, 31, 33 32, 33, 35 32, 37 37
Triangular Triangulare		T2 T4 T6	L14 L16, L19 L18, L19	XS/XSL + S/SL S/SL + M/ML L/LL	28, 30, 31, 33 30, 32, 33, 35 32, 35

**Pala Mix & Match**



# Mondial Mould Comparison Chart

Heraeus	Dentsply Portrait® IPN®	Ivoclar BlueLine®
R 410	21C, 43D	A41, P15
R 420	21D, 42D, 55D	A44, P1, P2, P14
R 449	12E, 22E, 54F	P17
R 455	12F, 25G, 42F	A66, P5
R 483	12G, 32G, 45H, 62G, 74H, 75G	A37, P11, P8
S 443	13E, 24F, 32E	A13
S 445	–	P4
S 453	22G, 21X, 75E	–
T 405	22C, 32B	A11
T 442	–	–
T 450	–	A12, A42, P7
T 465	43F	A36, A54, P13, P6
T 477	11G, 42G	A14, P16
T 515	21E	P12
O 444	31F	–
O 457	55F	A32
O 510	21G	A16
O 525	–	A17
L 315	C, D	–
L 331	E, F, H	A2, A3, A4
L 341	L, N, G	–
L 362	J, M	A5, A6
L 369	O, P	–
L 373	–	–
L 378	I	AL
L 382	S	–
L 384	K1, U	A8
L 398	W	–

# Mondial i Mould Comparison Chart

Heraeus	Dentsply Portrait® IPN®	Ivoclar BlueLine®	Phonares®
R 2	42D/22C	A44	S61
R 4	22E	P3	S81
R 6	21E	N/M	S72
S 2	12E	A11	B81
S 4	43F	A24B	B82
S6	12G	P9	B83
T2	43F	P13	B61
T 4	32G	P8	B82
T 6	42G	A25	B72
O 2	55D	A12	B61
O 4	55F	A56	S72
O 6	21G	A15	B73
L 12	P	A2L	L50
L 14	M	A5	L51
L 16	K1	A7	L51
L 18	W	A8	L53
L 20	K1	A8	L25
L 22	W	N/M	L52

# Teeth Shade Conversion Chart

Heraeus Mondial® and Mondial i*	Vita 3D Master	Vita Classic	Vita MFT	Dentsply Portrait® IPN®	Dentsply Bioform® IPN	Dentsply Bioblend® IPN	Dentsply Trublend® SLM	Ivoclar Chromoscop	Ivoclar Vivodent-PE	Ivoclar BlueLine®	Ivoclar Phonares®
A1	2M1	A1	A1	P1	B51, B59	100	T9	120	1A	A1	A1
A2	2M2	A2	A2	P2	B53, B59, B62	104	T11	130	2A	A2	A2
A3	3M2	A3	A3	P3	B54, B65	108	T13	140	1C	A3	A3
A3.5	3R2.5	A3.5	A3.5	P3.5	B83, B96	116	T20	230	1E	A3.5	A3.5
A4	4M2	A4	A4	P4	B78, B81, B84, B96	118	T20	340	3E	A4	A4
B1	1M1	B1	B1	P11	B59	100	T22	120	1A	B1	B1
B2	2L1.5	B2	B2	P12	B52, B63, B66, B68, B92	104	T24	120	1A	B2	B2
B3	3L2.5	B3	B3	P13	B55, B56, B64, B65, B67, B77, B95	109	T23	210	2B	B3	B3
B4	3M3	B4	B4	P14	B56, B70, B83, B84	110	T10	320	5B	B4	B4
C1	3M1	C1	C1	P21	B59, B69, B91	102	T6	120	1A	C1	C1
C2	3L1.5	C2	C2	P22	B94	106	T7	430,440	4B, 6C	C2	C2
C3	4L1.5	C3	C3	P23	B95	—	T8	430, 510	4B, 6D	C3	C3
C4	5M1	C4	C4	P24	B96	—	T3	520	4C	C4	C4
D2	3M1	D2	D2	P32	B92	—	T14	130	2A	D2	D2
D3	3M2	D3	D3	P33	B65, B93	—	T5	410	4A	D3	D3
D4	3L1.5	D4	D4	P34	B69	113	T2	440	6C	D4	D4
BL1	—	—	OM1	PW7	—	—	—	—	—	—	—
BL2	—	—	—	PW4	—	—	—	—	—	010	—
BL3	—	—	OM3	PW2	—	—	—	—	—	030	BL3
—	—	—	—	—	—	—	—	—	—	—	BL4

\*Heraeus Shades are equivalent to Vita Shades. Mondial® and Mondial i are available in 18 shades (A1–D4 and BL2 and BL3).  
Heraeus Kulzer teeth meet and exceed all the requirements of EN ISO 22112:2006 and ANSI/ADA Specification No. 15-1999.

## Pala Mix & Match Shade Guide



Mondial is a registered trademark of Heraeus Kulzer, GmbH.

Portrait, Bioform, Bioblend, Trublend and IPN are registered trademarks of Dentsply International, Inc.  
BlueLine and Phonares are registered trademarks of Ivoclar Vivadent.



## High Technology:

**Absolutely consistent, high quality every time**

- Computer aided development and manufacturing (CAD/CAM) for highest precision
- The result: Guaranteed identical pairs as well as authentic function and size

## The Patent:

**The unrivaled NanoPearls® filler material**

- The NanoPearls filler is patented and consists of a unique micro filler combined with a viscoelastic nano filler
- The result: The highest abrasion resistance and high fracture resistance for a significantly greater lifespan

## The Characteristics:

**No bubbles, no porosity – reliability**

- The INCOMP manufacturing process ensures bubble and porous free acrylic teeth with extremely high density
- The result: Reliable and consistent quality in every tooth

## The Durability:

**Studies demonstrate abrasion resistance**

- Independent studies at Heidelberg University and Charité University Medical Centre in Berlin show that abrasion resistance is 50 % higher than in conventional PMMA materials
- The result: Long-lasting, quality dentures with a 12-year manufacturer's warranty



# Testimonials



*"The exceptional 3D Multilayering of Pala Denture Teeth is a breakthrough in esthetics. By using this technique, the combination creates such a natural appearance that it is difficult for me to tell the difference between natural teeth and Pala Teeth."*

*Daxton Grub,  
President of R-dent Dental Laboratory*



*"The Mondial line with its NanoPearls technology and natural layering will set a totally new standard in the way we look at denture teeth. With the quality and selection of moulds this will definitely be my choice."*

*T.G. Hornischer,  
CDT*



*"We now use Pala Denture Teeth as they provide me and my patients with everything that I could wish for in terms of aesthetics and clinical performance."*

*Paulo Malo,  
President and CEO of the  
Malo Clinic Health Group*



*"Working with Heraeus Teeth is an absolute pleasure! They exhibit natural contours, smooth transition to the cervical area, and layering for the depth of shade, opalescence and natural fluorescence. Another advantage is with the CAD/CAM manufacturing process, affording the clinician prosthetic teeth which provide 100% identical pairing; resulting in consistent quality, performance, and excellent esthetics."*

*Aldo Leopardi,  
BDS, DDS, MS Prosthodontist*



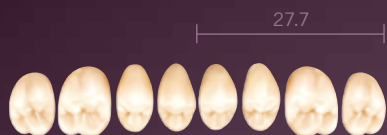
*"The biggest concern for denture wearers is that their dentures may look "fake". Since using Heraeus' Mondial teeth, fake looking dentures are no longer a concern for me or my patients. These highly precise CAD-CAM fabricated teeth possess extremely lifelike optical properties such as opalescence, fluorescence, and are very natural looking, strong and attractive."*

*Abdi Sameni,  
DDS*

# Mondial 8 Posteriors / Postérieures

10°

28U



27.7

10.1

28L



29.4

9.5

10°

30U



29.7

10.9

30L



31.7

10.1

10°

32U



32.2

11.5

32L



33.8

11.0

20°

35U



32.8

10.5

35L

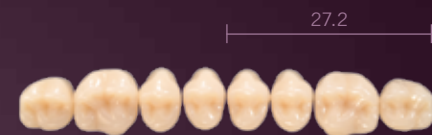


35.1

9.6

20°

29U



27.2

8.5

29L



29.3

8.2

20°

31U



28.8

9.2

31L



31.1

8.7

20°

33U



30.8

9.9

33L



33.1

9.3

20°

37U



35.1

11.0

37L



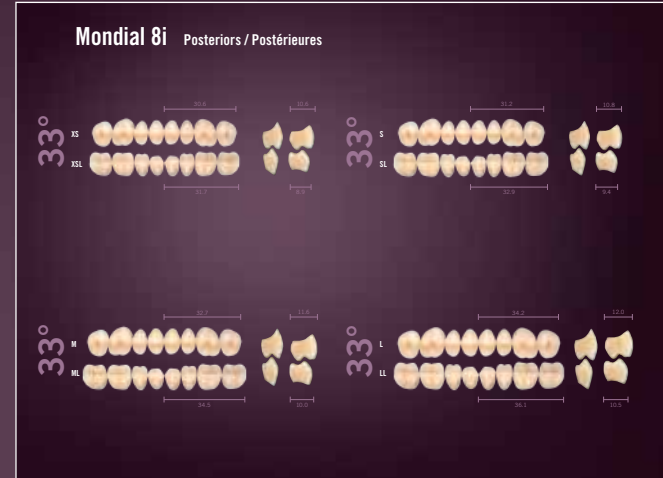
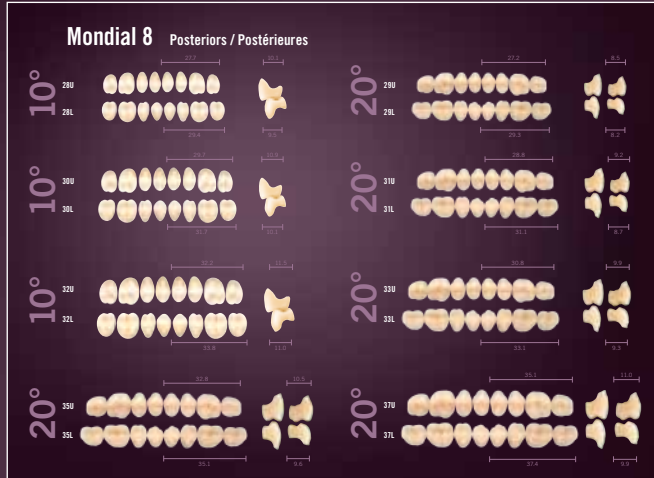
37.4

9.9

# Mondial 8i Posteriors / Postérieures



Use this flip chart to mix and match Mondial and Mondial i teeth to create the perfect custom smile.



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