

Pediatric Crown Comparison (Brands listed in alphabetical order for each crown material type)

Materials	Brand Company	Price/Crown*	Photo	Sizes and Shapes available Sizes: 0-7 • Shapes: L/R, Up/Low, or Universal		Highest Average Thickness (mm) Location	Reduction requirements (per manufacturer)	Crimping Evaluation	Key Features (per manufacturer)	
				Anterior	Posterior					
Stainless Steel	Hu-Friedy PEDO CROWNS <i>Hu-Friedy</i>	\$7.20		N/A	1st and 2nd Molars: Up/Low, L/R (2-7)	0.11 mm <i>Mesial / Buccal</i>	No recommendation; reduction at discretion of clinician	Crimps well on all edges	Pre-trimmed, Pre-crimped, Slightly shorter than other brands (less required trimming), More narrow mesial-distal width than other brands	
	Primary Stainless Steel Crowns <i>3M ESPE</i>	\$8.44		N/A	1st and 2nd Molars: Up/Low, L/R (2-7)	0.13 mm <i>Mesial</i>	Occlusal: 1.0-1.5 mm Proximal: 1.0 mm Buccal/Lingual: reduction not routine Subgingival: 1.0 mm	Crimps well on all edges	Pre-trimmed, Pre-crimped, Belled shape	
	Unitek Primary Stainless Steel Crowns <i>3M ESPE</i>	\$8.44		Upper Incisors: L/R (1-6) Cuspids: Up/Low (1-6)	1st and 2nd Molars: Up/Low, L/R (1-7)	Posterior †: 0.17 mm <i>Lingual</i>	Occlusal: 0.5-1.0 mm Proximal: 1.0 mm Buccal/Lingual: reduction not routine Subgingival: 1.0 mm	Crimps well on all edges	Thick occlusal surface to prevent bite-through, More shallow occlusal anatomy for less tooth reduction, Parallel walls	
Polymer General description, including: polycarbonate, acrylic resin, and strip crowns	PedoNatural Crown <i>PedoNatural Crown</i>	\$9.45		Upper Centrals: L/R (2-4) Upper Laterals: L/R (3-4) Upper Cuspids: L/R (2-3) ‡	1st and 2nd Molars: Up/Low, L/R (2-6)	Anterior: 0.57 mm <i>Incisal</i>	Posterior: 0.87 mm <i>Occlusal</i>	Occlusal/Incisal: 2.0 mm Facial/Lingual: 1.0 mm Proximal: open contact areas Subgingival: 1.0 mm	Crimps well on all edges §	Crimpable (unique flexible polycarbonate), Coloration universal (translucent cement shade recommended), No dry-field issues (all materials hydrophilic)
	Strip Crown Forms <i>3M ESPE</i>	\$8.74		Upper Incisors: L/R (1-4)	N/A	0.3 mm <i>Labial</i>		Minimal reduction required on incisal and proximal surfaces	Not applicable: Form removed after composite curing conducted	Easily removed, Leaves smooth composite surface, Can be used with either chemical or light-cured composite
Stainless Steel veneered with tooth-colored material	NuSmile Signature <i>NuSmile Pediatric Crowns</i>	Anterior: \$17.98 Posterior: \$29.95		Upper Incisors: Universal (1-6) Cuspids: Universal (0-6)	1st and 2nd Molars: Up/Low, L/R (1-7) Size 1 used for cases with mesial-distal space loss	Anterior: 1.11 mm <i>Labial</i>	Posterior: 1.31 mm <i>Occlusal</i>	Anterior: Incisal: 2.0 mm Subgingival: 1.5-2.0 mm Circumferential: 25-30% Posterior: Occlusal: 2.0 mm Buccal: 1.5-2.0 mm Subgingival: 2.0 mm Circumferential: 30%	Not applicable: Metal lingual edge crimping not indicated since passive fit is desired	2 shades, 2 lengths (anterior), Custom RX crowns provide additional customization options to specify pre-veneered contour and crimp of crown, as well as extent of veneered surface coverage
Zirconia	EZ-Pedo <i>EZ-Pedo</i>	Anterior: \$25 Posterior: \$35		Upper Incisors: L/R (1-6) Lower Incisors: Universal (1-4) Upper Cuspids: L/R (1-6) - contralateral use possible	1st and 2nd Molars: Up/Low, L/R (2-7) <i>Prime-sized (narrow mesial-distal) 1st molar options also available for space loss situations</i>	Anterior: 0.46 mm <i>Distal</i>	Posterior: 0.73 mm <i>Occlusal</i>	Incisal: 1.5-2.0 mm Occlusal: 2.0 mm Facial: 0.5-1.0 mm Lingual: 0.75-1.25 mm Circumferential: 20-25% Subgingival: 1.0-2.0 mm	Not applicable: Passive fit indicated	Zir-Lock interior retentive grooves; Zir-Plus exterior surfacing provides maximum esthetics with minimum wear, EZ-Seat crown contour promotes less tooth reduction, Non-thinning margins decreases risk of microfractures during seating, Multiple patents (includes Zir-Lock), Autoclavable
	NuSmile ZR <i>NuSmile Pediatric Crowns</i>	\$21.95		Upper Incisors: L/R (0-6) Lower Incisors: Universal (1-4) Cuspids available Jan. 2013 **	<i>Molars available Jan. 2013 **</i>	0.78 mm <i>Incisal</i>		Incisal: 2.0 mm Circumferential: 20% (0.5-1.25 mm) Proximal: aligned parallel to slightly-converging-incisally Subgingival: 2.0 mm	Not applicable: Passive fit indicated	2 shades available, Translucency set to prevent dark color show-through, Polished instead of glazed to reduce wear on opposing dentition, Autoclavable
Aluminum veneered with tooth-colored material	Pedo Pearls <i>Java Crowns</i>	\$8.80		Upper Incisors: Central - Universal (1-4) Lateral - Universal (1-5) Cuspids: Universal (1-4)	1st and 2nd Molars: L/R (3-5)	Anterior †: 0.31 mm <i>Labial</i>		Similar tooth preparation to stainless steel	Crimps well on all edges (Note: No visible damage to tooth-colored material)	Trimmmable and crimpable, Thinner than stainless steel veneered with tooth-colored material, Infinite shelf life

* Single-crown price, or equivalent (calculated from lowest quantity sold); improved large-quantity pricing also available for some brands
 † Other available version (posterior/anterior) not evaluated by CR; manufacturer reports other version to have similar manufactured result

‡ Although not officially indicated, clinicians may attempt to use upper lateral crowns for lower centrals/laterals and upper cuspids for lower cuspids.
 § Must use manufacturer-provided bull-nosed crimping pliers to bend margin in; traditional crimping pliers will adversely thin margins

** Crown material formulation may differ from that of already-available products of this brand

Additional brands available (not evaluated by CR):

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| <p>Stainless Steel</p> <ul style="list-style-type: none"> • A.T. Stainless Steel Crowns by Success Essentials • AceroXT Stainless Steel Crowns by AceroXT • DENOVO Stainless Steel Crowns by DENOVO Dental | <p>Polymer</p> <ul style="list-style-type: none"> • DirectCrown by DirectCrown Products • Pediatric Strip Crowns by Success Essentials • Pedo Jacket Crowns by Success Essentials | <p>Stainless Steel veneered with tooth-colored material</p> <ul style="list-style-type: none"> • Cheng Crowns by Cheng Crowns • Flex Crowns by Success Essentials • Kinder Crowns Next Generation by Kinder Crowns | <p>Zirconia</p> <ul style="list-style-type: none"> • Kinder Crowns Zirconia by Kinder Crowns |
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