

ISOLATION AND FIXATION

HySolate Dental Dam

Upgrade your isolation



 COLTENE

Upgrade Your Isolation

Complete isolation with dental dam is crucial in Endodontic and Restorative dentistry. It helps produce a dry working field to ensure both reliable and high-quality treatment results, protects patients from aspiration or ingestion of foreign objects, and protects soft tissue from contact with other instruments. Studies show that dental dam is also

an effective infection control barrier and can significantly reduce the load of possible infectious airborne particles and minimize saliva and blood contaminated aerosol or spatter.^{1,2} For decades COLTENE has produced a comprehensive portfolio of high-quality dental dam, clamps, and accessories. Upgrade your Isolation with COLTENE.



COMPREHENSIVE

We offer a comprehensive line of products to help isolate in each clinical situation.



SIMPLE

Dental dam application is actually a simple process. Choose the best possible material to meet your specific treatment needs as we guide you through the selection process.



SOLUTION DRIVEN

Our high quality products are engineered to facilitate isolation. Our products and training materials are the bridge that connect solutions with your treatment requirements.



1) Peng, X., Xu, X., Li, Y. et al. Transmission routes of 2019-nCoV and controls in dental practice. *Int J Oral Sci* 12, 9 (2020). <https://doi.org/10.1038/s41368-020-0075-9>

2) Cochran, M. et.al. The efficacy of the rubber dam as a barrier to the spread of microorganisms during dental treatment, *JADA* 119, 1 (1989)

Benefits



Absolute dryness



Unblocked field
of vision on the
treatment area



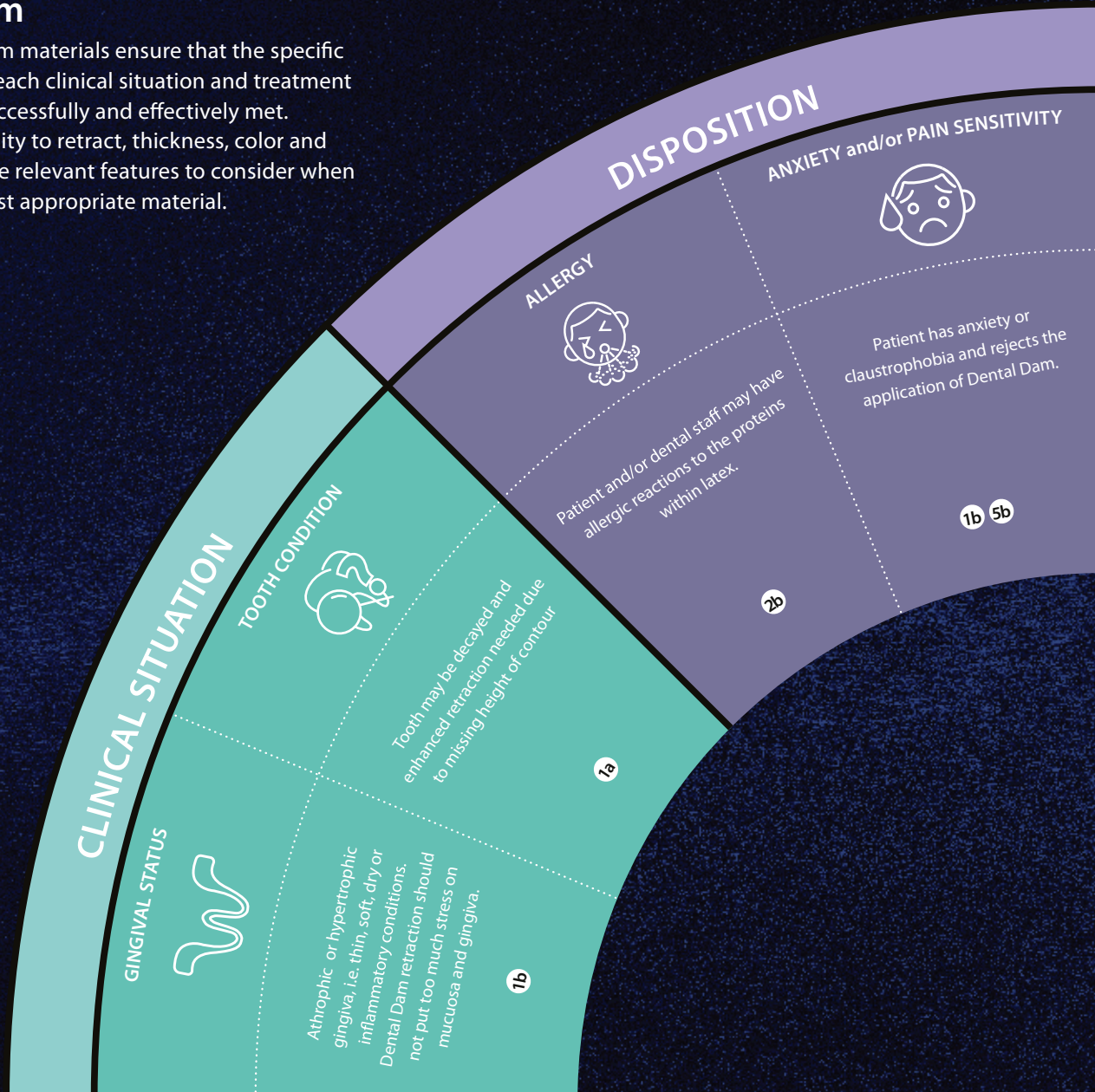
Safety and
protection



Selection Guidelines

Dental Dam

Our variety of dam materials ensure that the specific requirements of each clinical situation and treatment procedure are successfully and effectively met. Elasticity, the ability to retract, thickness, color and non-allergenic are relevant features to consider when choosing the most appropriate material.



Recommendations

RETRACTION

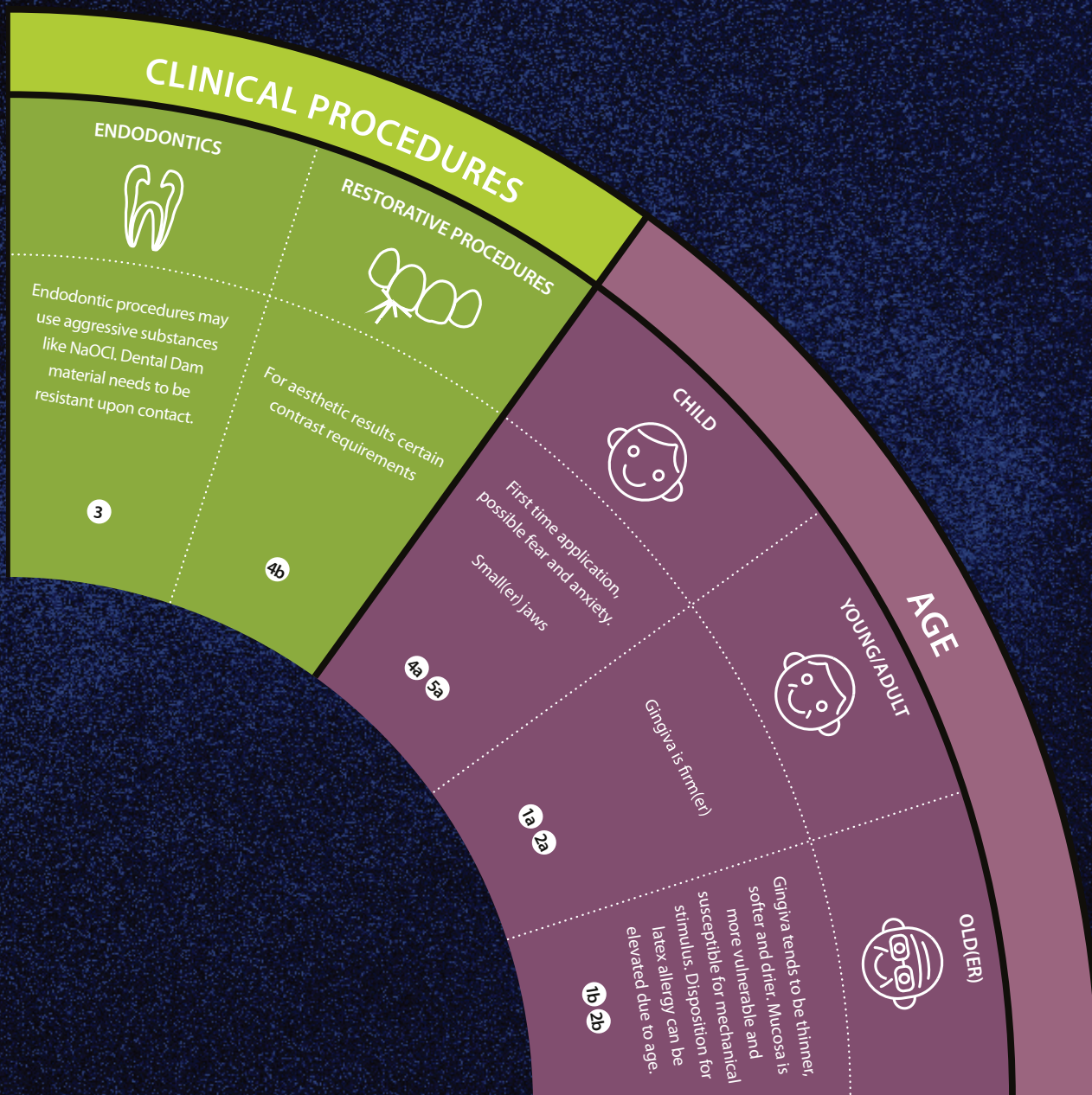
- 1a**
Choose latex dental dam. Thicker dam allows for better retraction for a tight fit around the isolated area.
- 1b**
Choose a more flexible and thinner dental dam with less retraction which will ease any stress on the gingiva.

ALLERGENS

- 2a**
Choose powder-free, low protein dental dam to reduce the exposure to latex proteins and minimize the risk of developing a latex allergy.
- 2b**
Choose a non-latex dam and avoid allergic reactions on latex proteins.

RESISTANCE

- 3**
Choose latex dental dam as it affords the highest resistance to contact of foreign substances.



COLOUR OPTIONS

- 4a** Use psychology and education to take advantage of light and pleasant colours for a calming effect.
- 4b** Choose a darker dental dam to reduce eye fatigue and provide a good contrast to the working area.

SIZE AND APPLICATION AIDS

- 5a** Choose 127 x 127 mm dental dam for smaller patients.
- 5b** Choose Flexi Dam with built-in flexible frame for less stress on the patient.

GENERAL RECOMMENDATIONS

- › Cut out the dental dam sheet so that nose breathing is possible
- › Put Parotisroll on the upper lip to create space between nose and the dental dam sheet
- › Use Dental Dam napkins to ease the contact of the dam material with the skin

HySolate Dental Dam Portfolio

Application



NON LATEX

Flexi Dam Non-Latex

HySolate Flexi Dam Non-Latex is made of an elastomer and performs with high elasticity while tension is moderate. Extra elastic and latex-free Dental Dam for soft retraction.

Flexi Dam Non-Latex Framed

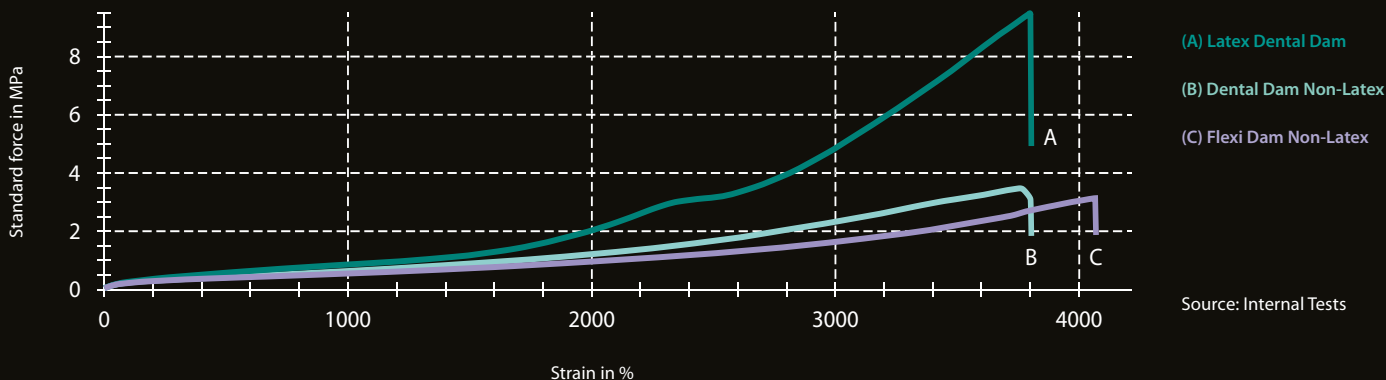
HySolate Flexi Dam Framed is equipped with a built-in-frame. You can get started without the need to have a frame at hand. The flexible frame is designed with working size of 100 x 105 mm to ensure for easy fitting.



	Flexi Dam Non-Latex	Flexi Dam Non-Latex Framed
Retraction	×	×
Elasticity		
Framed	-	✓
Pre-printed	-	-
Thickness	medium	medium
Colours		
Scent	-	-
Children Size 127 x 127 mm	-	-

Stress-strain diagram

Flexi Dam Non-Latex performs with high elasticity while tension is moderate. It is ideal for softer retraction. **Dental Dam Non-Latex** is not as elastic as Flexi Dam while showing higher tension. Retraction forces on the gingiva are higher. It is the latexfree alternative to latex when seeking strong retraction. **Latex Dental Dam** provides best possible retraction.



LATEX

Latex Dental Dam

HySolate Latex Dental Dam is made of pure, natural rubber latex and is powder free.¹ Powder free, low protein Dental Dam is a simple and clever measure to reduce the risk of developing latex hypersensitivity.

Latex Dental Dam BLACK EDITION pre-printed

The black Dental Dam has the template for marking the tooth position printed on. This saves the working step of marking the dam before punching. The black color provides ultimate, clear contrast and is ideal for taking photographs.

Fiesta Latex Dental Dam

Fruit scented powder free latex dam for greater patient and staff comfort. Each box contains an assortment of purple, blue and pink colored sheets.

¹ Powder content < 50µg/dm²
Protein content < 2 mg/sheet

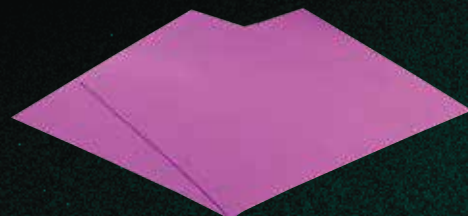


Latex Dental Dam	Latex Dental Dam pre-printed	Fiesta Latex Dental Dam
xxxx	xxxx	xxxx
-	-	-
-	✓	-
medium	medium	medium
-	-	✓
✓	-	✓

Order Information

HySolate Flexi Dam Non-Latex

SIZE	COLOUR	THICKNESS	CONTENT
		medium	Sheets
152 x 152	Purple	H09945	30



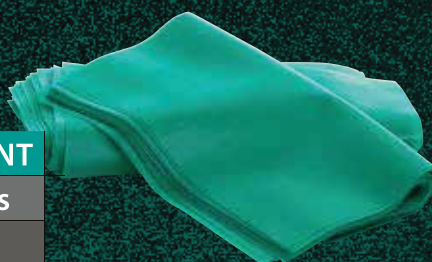
HySolate Flexi Dam Non-Latex Framed

SIZE	COLOUR	THICKNESS	CONTENT
		medium	Sheets
100 x 105	Purple Framed	H00750	20



HySolate Latex Dental Dam

SIZE	COLOUR	THICKNESS	CONTENT
		medium	Sheets
152 x 152	Green	60034419	36
	Black pre-printed	60031352	36
	Blue	60034442	36
127 x 127	Green	60034415	52
	Light	60034425	52



HySolate Fiesta Latex Dental Dam

SIZE	COLOUR	THICKNESS	CONTENT
		medium	Sheets
152 x 152	Fiesta	60034436	36
127 x 127	Fiesta	60034435	52



Dental Dam Kits

*Sheets are subject to customization and inquiry on availability

<p>HO2790</p>	<p>Wingless Complete Kit Contents: HYSOLATE DAM GREEN MEDIUM 6" x 6" (152 x 152mm) 36 Sheets 6" (152mm) Plastic Frame (H01414) Fiesta 9W Wingless Color Coded Clamp Pak 6" Template Wedjets® Cord (Small) Dental Dam Punch Dental Dam Forceps</p>	<p>HO2790 IN STI</p>	<p>DENTAL DAM KIT WINGLESS Starter Kit Contents: HYSOLATE DAM GREEN MEDIUM 6" x 6" (152 x 152mm) 36 Sheets 6" (152mm) Metal U shaped Frame Fiesta 9 Wingless Color Coded Clamp Set 6" Template Wedjets® Cord (Yellow) Pouch -2 mtrs COLTENE INDIA Punch COLTENE INDIA Forcep</p>
<p>HO2778</p>	<p>Winged Complete Kit Contents: HYSOLATE DAM GREEN MEDIUM 6" x 6" (152 x 152mm) 36 Sheets 6" (152mm) Plastic Frame (H01414) Fiesta 9Winged Color Coded Clamp Pak 6" Template Wedjets® Cord (Small) Dental Dam Punch Dental Dam Forceps</p>	<p>HO2778 IN ST</p>	<p>DENTAL DAM KIT WINGED Starter Kit Contents: HYSOLATE DAM GREEN MEDIUM 6" x 6" (152 x 152mm) 36 Sheets 6" (152mm) Metal U shaped Frame Fiesta 9Winged Color Coded Clamp Set 6" Template Wedjets® Cord (Yellow) Pouch -2 mtrs COLTENE INDIA Punch COLTENE INDIA Forcep</p>
<p>HO9715IN</p>	<p>Dental Dam Pedo Kit Contents: Dental Dam Punch Dental Dam Forcep 5" Dental Dam Frame Brinker Clamp Set 5" TEMPLATE HYSOLATE READY CUT DAM GREEN 5" x 5" (127 x 127mm) 52 Sheets Wedjets® Cord (Small)</p>	<p>HO9715INST</p>	<p>Dental Dam Kit PEDO Starter Kit Contents: Dental Dam Punch Dental Dam Forcep 5" Dental Dam Frame Brinker Clamp Set 5" TEMPLATE HYSOLATE READY CUT DAM GREEN 5" x 5" (127 x 127mm) 52 Sheets Wedjets® Cord (Yellow) Pouch -2 mtrs</p>



Punch

REF
H01261

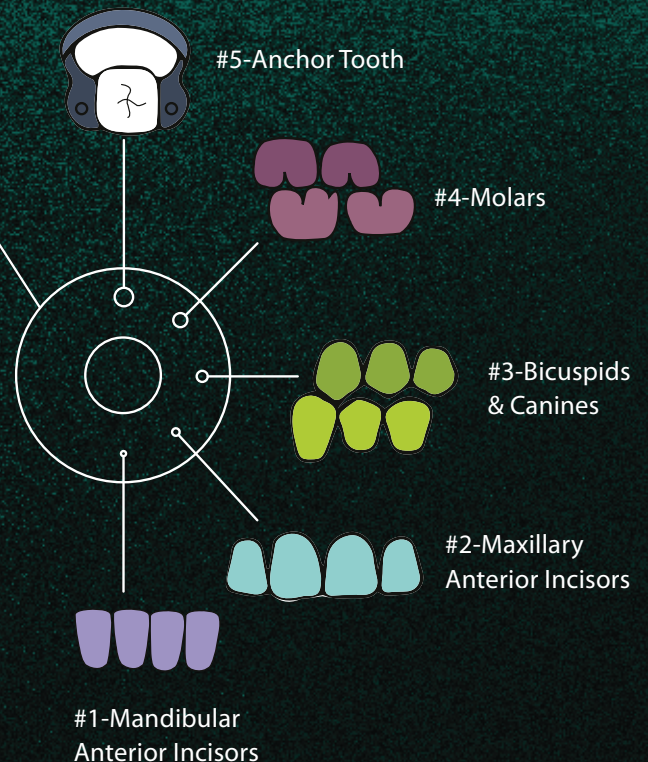
Ainsworth-style stainless steel punch with 5 holes between 1,0 and 2,3 mm in diameter. The Ainsworth punch has the hinge-joint behind the die plate.



Forceps

REF
H01262

The light-weight forceps with a comfortable grip facilitates the secure transfer and fixation of Dental Dam clamps to the tooth.

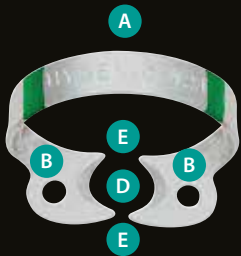


Fixation

Clamps

Dental dam fit partly depends on how it is secured to the teeth. COLTENE makes fixation simple with both Wingless and Winged clamps. Winged clamps have projections at the jaws while wingless do not. Our aim is to accommodate application techniques with any dentist's style. Our dental dam clamps are manufactured from high quality stainless steel for greater durability.

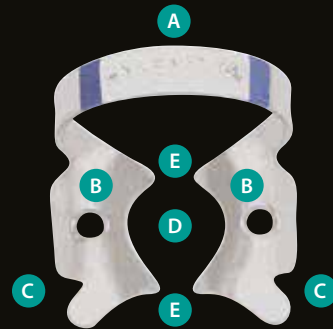
WINGLESS



- A Distal Bow
- B Jaws
- C Wings
- D Beak
- E Contact points

Wingless clamps are positioned intra-orally first and then the dam is stretched over the clamp and tooth. Our wingless clamps are designated with a W for easy identification.

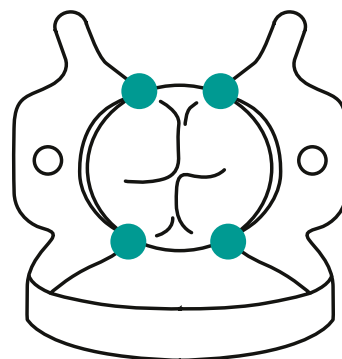
WINGED

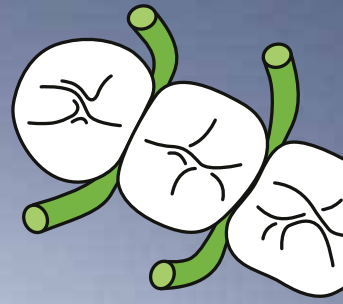


Winged clamps combine steps by placing the dam, clamp and frame simultaneously. Once applied, the dam is stretched off the wings of the clamp.

Four-Point Contact

Select a clamp that will maintain four-point contact with the tooth's proximal surfaces. The clamp is positioned with the bow on the distal of the tooth. Universal clamps can be used on the left and the right side of both the upper and the lower jaw. Both clamp jaws are equal.





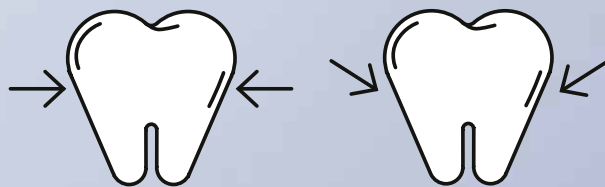
Wedjets – Stabilization Cord 5

Wedjets elastic stabilizing cord provides a quick and easy way to retain dental dam and can complement or supplement clamp usage.



Brinker Clamps 4

Extra inclined beaks provide maximum retraction without laceration of gingival tissues



Retention – horizontal effect

Retention – apical effect

- 1 Standard clamps
- 2 Fiesta colour coded clamps
- 3 Tiger clamps
- 4 Brinker clamps
- 5 Wedjets

Select your clamps

Select a clamp that will maintain four-point contact with the tooth's proximal surfaces. The clamp is positioned with the bow on the distal of the tooth. Universal clamps can be used on the left and the right side of both the upper and the lower jaw. Both clamp jaws are equal. Our comprehensive selection of anatomical shapes help aid in quick and easy placement.

Standard clamps

Gloss finished standard clamps.



#W00

Premolar



#00

Premolar

Fiesta clamps

Each clamp is individually color coded for unmistakable identity. Experienced and novice associates will appreciate this time saving identification method when using Fiesta Color Coded Clamps.



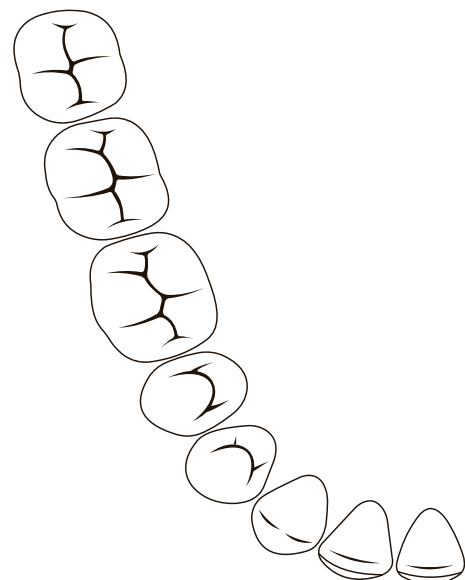
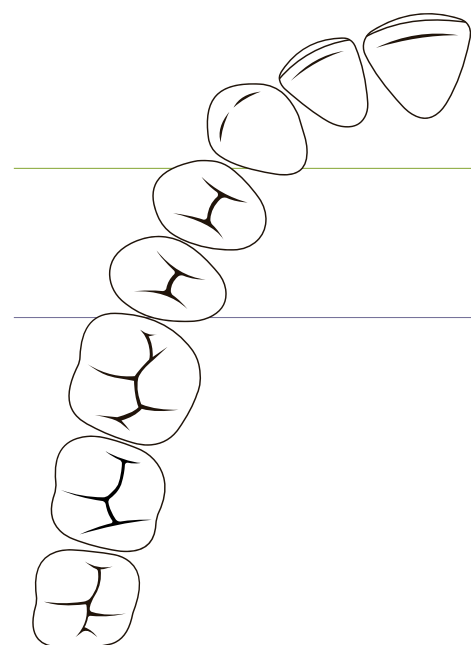
#W9

Anterior

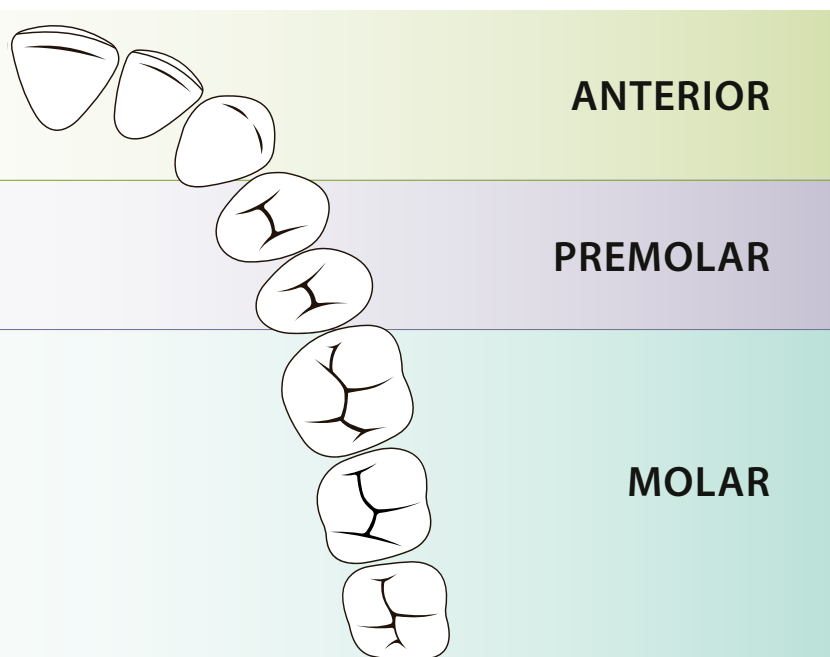


#7

Molar



		ANTERIOR SIZES					PREMOLAR SIZES						
Clamps		#9	#212	#B4	#B5	#B6	#00	#1	#2	#2A	#B4	#B5	#B6
Winged	Standard	x					x	x	x	x			
	Fiesta	x							x	x			
	Tiger												
Wingless	Standard	x	x				x		x	x			
	Fiesta	x							x	x			
	Brinker			x	x	x					x	x	x



Tiger clamps

Clamps with serrated jaws to be used for structurally compromised tooth.



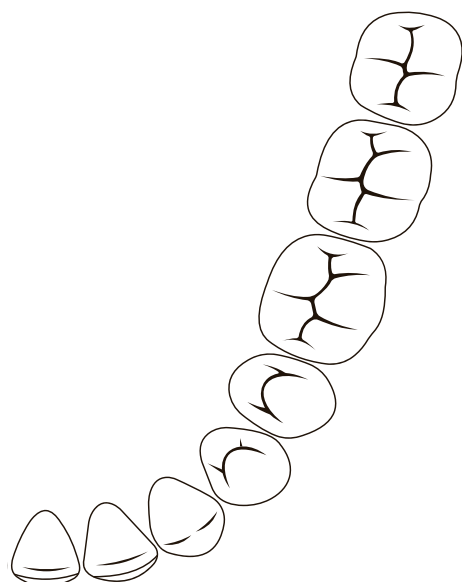
#12A

Molar
Lower jaw right
Upper jaw left



#13A

Molar
Lower jaw left
Upper jaw right



Brinker clamps

Brinker Clamps have extra inclined beaks to provide maximum retraction of the gingiva. They provide maximum retraction without laceration of gingival tissues.



#B1

Molar
Lower jaw right



#B2

Molar
Upper jaw left

	MOLAR SIZES												
	#3	#4	#7	#8	#8A	#12A	#13A	#14	#14A	#56	#B1	#B2	#B3
	x	x	x	x	x			x	x				
		x	x		x	x	x		x				
						x	x						
	x		x	x	x			x	x	x			
	x		x	x	x				x	x			
											x	x	x

Order Information

WINGLESS

ANTERIOR



Standard | #W9
H02770



Standard | #212
H07792



Fiesta | #W9
H02800



Brinker | #B4
H01051



Brinker | #B5
H01052



Brinker | #B6
H01053

PREMOLAR



Standard | #W00
H02769



Standard | #W2
H02768



Standard | #W2A
H02775



Fiesta | #W2
H02794



Fiesta | #W2A
H02795



Brinker | #B4
H01051



Brinker | #B5
H01052

MOLAR



Standard | #W3
H03814



Standard | #W7
H02765



Standard | #W8
H02767



Standard | #W8A
H02766



Standard | #W14
H02774



Standard | #W14A
H02764



Standard | #W56
H03815



Fiesta | #W3
H02796



Fiesta | #W7
H02797



Fiesta | #W8
H02798



Fiesta | #W8A
H02799



Fiesta | #W14A
H02802



Fiesta | #W56
H02803



Brinker | #B1
H01048



Brinker | #B2
H01049



Brinker | #B3
H01050

CLAMP SETS

- H02801 HYGENIC FIESTA 9W Colour Coded Wingless Clamp Pak
- H09966 HYGENIC FIESTA 9 Colour Coded Winged Clamp Pak
- H09956 HYGENIC FIESTA Colour Coded Clamp Organizer
- H02701 HYGENIC Gloss Finish System-9 Winged Clamp Pak
- H01054 HYGENIC Brinker Clamp Set

WINGED



Standard | #9
H02763



Fiesta | #9
H09962



Standard | #00
H02762



Standard | #1
H02703



Standard | #2
H02761



Standard | #2A
H05688



Fiesta | #2
H09957



Fiesta | #2A
H09958



Standard | #3
H05689



Standard | #4
H02704



Standard | #7
H02758



Standard | #8
H02760



Standard | #8A
H02759



Standard | #14
H05690



Standard | #14A
H02757



Tiger | #12A
H02706



Tiger | #13A
H02705



Fiesta | #4
H09959



Fiesta | #7
H09960



Fiesta | #8A
H09961



Fiesta | #12A
H09963



Fiesta | #13A
H09964



Fiesta | #14A
H09965



Accessories

Order Information

HO6522	HO6522IN
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Wedjets elastic stabilizing cord provides a quick and easy way to retain dental dam and can complement or supplement clamp usage.



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Coltene/Whaledent AG
 Feldwiesenstr. 20
 9450 Altstätten/Switzerland
 T +41 71 757 53 00
 F +41 71 757 53 01
 info.ch@coltene.com

Coltene Whaledent Pvt. Ltd.
 (A Subsidiary of Coltene/Whaledent AG, Switzerland)
 (ISO 13485:2016)
 Plot No. 124, Jawahar Co-op Industrial Estate Limited,
 Kamothe, Navi Mumbai, Dist. Raigad, Maharashtra-410206
 Tel: 022-2740 1841 | E: InfoIndia@coltene.com
www.coltene.co.in

COLTENE