MORITA

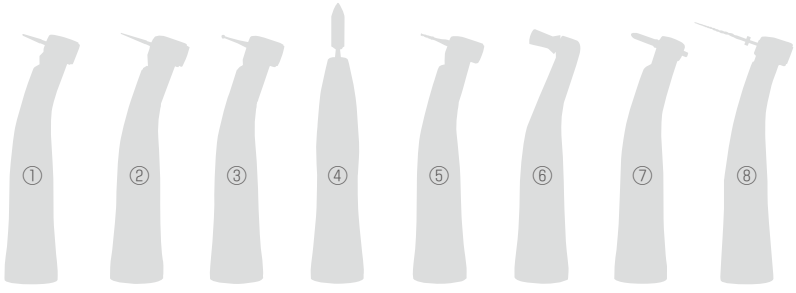
TORQTECH

Thinking ahead. Focused on life.

TORQTECH

Experience a revolution in handpiece design.

TORQTECH is built tough and durable, yet provides a steady cut for even the most delicate of margins. TORQTECH's superb handling and comfort grip will make this the attachment you reach for time and time again.

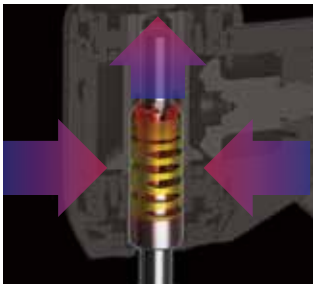


① **CA-5IF-O-UM** Ultra mini Contra Angle with 1:5 speed increasing gear ratio with light
② **CA-5IF-O** Contra Angle with 1:5 speed increasing gear ratio with light
③ **CA-DC-O** Contra Angle with 1:1 gear ratio with light
④ **ST-DH** Straight Attachment without light
⑤ **CA-10RC-O** Contra Angle with 10:1 reduction gear ratio with light
⑥ **CA-4R-PP** Prophy contra angle without light
⑦ **CA-4R-O-PF** Inter-proximal contra angle with light
⑧ **CA-10RC-ENDO** Contra Angle with 1:10 slow down gear ratio for endodontic treatment without light

1:5 Contra-angles

Robust and durable with easy access

Easy access
The compact head improves visibility, while the comfort grip makes it easy to position. The angle is designed to help avoid contact with opposing teeth, allowing you to focus on treatment, rather than access.

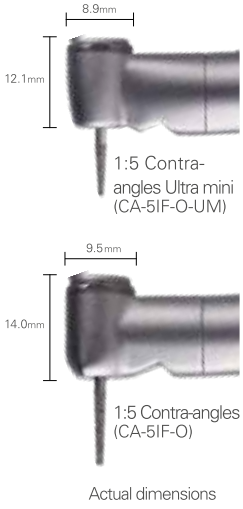


Unique, multi-point chuck
MORITA's unique chuck design grips the bur firmly and doesn't lose its strength even after years of use. Experience the stability only a TORQTECH can provide when performing work that requires great precision.

Highly durable involute gears
A unique combination of internal and involute gears provide superior durability by reducing wear and resistance.

1:5 Contra-angles Ultra mini

For maximum access and visibility



Actual dimensions

Improved access
The best just got better. The TORQTECH Ultra mini Contra-angle is ideal for treating patients with limited jaw mobility or children with small oral cavities. Use any standard friction bur up to 21mm and enjoy the stability and durability you've come to trust, now in a smaller profile.

See what you've been missing
The ultra mini head allows you to reach narrow treatment areas with ease and provides excellent visibility for fine, precise work.

Wide, one-point spray
Newly designed spray mechanism provides a wide spray ensuring adequate cooling in even the most challenging treatment areas.

Reduced Speed, Improved Performance

Take Cleaning to a Whole New Level

- Superb access
- Sealed head helps prevent contamination and extends working life
- Thrust bearings for improved durability

The ultra mini head provides excellent access and its rounded shape is more comfortable for patients. In addition, the head is sealed to prevent prophy paste from getting inside the attachment which helps improve its durability and extend its working life.

Interproximal Stripping Made Easy

- Finely controlled with up to 5,250 oscillations per minute
- Quickly remove enamel with high power and torque
- May be used for contouring and polishing enamel
- Superior control for improved patient safety

Specifications

	Optic ※2	Non-Optic	Optic ※2	Optic ※2	Non-Optic	Non-Optic
Name	TORQTECH					
Model	CA-5IF-O	CA-5IF	CA-5IF-O-UM	CA-DC-O	CA-DC	ST-DH
Gear ratio	1：5 (speed-up)		1：5 (speed-up)	1：1		1：1
Maximum Rotation Speed (rpm)	40,000		40,000	40,000		40,000
Head Diameter (㎜)	Φ 9.5		Φ 8.9	Φ 9.5		-
Head Height （㎜)	14.0		12.1	13.3		-
Total Length (㎜)	94		93	94		83
Weight (g)	68		66	67		73
Glass Rod Light Guide	○	-	○	○	-	-
Surface Treatment	Ion plating					
Spray Holes	3		1 (wide one-point spray)	1		1
Spray Filter	○	-	○	○	-	-
Bur Insertion/Removal Method	Push button					Mechanical locking
Usable Burs ※3	Shaft Type 3 (FG)		Shaft Type 3 (FG) Standard shortshank	Shaft Type 1 (CA)		Shaft Type 2 (HP)
Usable Motor	Motor conforming to JIS T5912 / ISO14457					

	Optic ※2	Non-Optic	Non-Optic	Optic ※2	Non-Optic
Name	TORQTECH				
Model	CA-10RC-O	CA-10RC	CA-4R-PP	CA-4R-O-PF	CA-10RC-ENDO ※4
Gear ratio	10：1 (slow down)		4：1 (slow down)	4：1 (slow down) (up and down movements)	10：1 (slow down)
Maximum Rotation Speed (rpm)	40,000		10,000	20,000	20,000
Head Diameter (㎜)	Φ 8.0		Φ 8.0	Φ 7.8	Φ 9.0
Head Height （㎜)	13.0		8.5	9.1	13.5
Total Length (㎜)	94		94	94	94
Weight (g)	69		67	67	55
Glass Rod Light Guide	○	-	-	○	-
Surface Treatment	Ion plating				
Spray Holes	1		-	1	-
Spray Filter	○	-	-	○	-
Bur Insertion/Removal Method	Push button		Screw	Frictiongrip	Push button
Usable Burs ※3	Shaft Type 1 (CA)		Screw (No.1-72UNF)	EVA Tips※1 Lamineer Tips※1	Shaft Type 1 (CA)
Usable Motor	Motor conforming to JIS T5912 / ISO14457				

For models with optic and non-optic versions, a photo of the optic version ispresented.
※ 1 : EVA Tips, Lamineer Tips are trademarks or registered trademarks of Dentatus.
※ 2 : Cannot be connected to non-optic motors.
※ 3 : Use burs that conform to ISO1791-1 or JIS T 5504-1.
※ 4 : To utilize the apex location functions of the CA-10RC-ENDO, ensure it is connected to a micromotor providing this option.

Spray Filter

Optical models come equipped with an easy to clean spray filter that helps keep your cooling spray reliable.

MORITA MULTI SPRAY

Specially designed lubricant to optimize the performance of TORQTECH and maintain its durability.

Diagnostic and Imaging Equipment

Treatment Units

Handpieces and Instruments

Endodontic System

Laser Equipment

Laboratory Devices

Educational and Training Systems

Auxiliaries

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Subject to technical changes and errors.

PUB.NO.HI616-B161-EN-3