

Thinking ahead. Focused on life.

TwinPower Turbine[®]

High-Speed Handpieces

Including the New G-Series
47 Watts*. Built to dominate.

The new TwinPower Turbine G-Series features a redesigned true rotor and narrow torque ripple design to deliver 47W of power and smooth, strong cutting. Its unrivaled power makes it one of the most powerful air-driven handpieces available today. Even when cutting through the hardest materials, like Zirconia**. All while retaining Morita's patented Zero Drawback Technology, Quick-Stop, and the ease of visibility of the TwinPower Turbine line.

- Super High-Torque at 47W of power (G-Series only)
- Easy Access and Visibility
- Built-in Infection Control with patented Zero Drawback Technology
- Safe, rapid braking technology
- Limited-time, 30-day money back guarantee



TwinPower Rotor



Typical Rotor



TwinPower Turbine Product Line

The TwinPower Turbine high speed product line has been expanded to include non-optic models, in addition to those with 25,000 LUX glass rod optics. This expansion gives customers more options to experience TwinPower's unique features at a lower price point. Non-optic models are available for High Torque, Standard, UltraE and 45°.

TwinPower Turbine G-Series

- Head Diameter: 12 mm
- Head Height: 13.2 mm
- Optic



The TwinPower Turbine G-Series is the most powerful of the product line with 47W. It offers superior cutting torque with high visibility.

TwinPower Turbine High Torque

- Head Diameter: 12 mm
- Head Height: 13.2 mm
- Optic/Non-Optic



The TwinPower Turbine high torque model is one of the most powerful of the product line after the G-Series. It delivers superior cutting efficiency and reduced preparation time.

TwinPower Turbine Standard

- Head Diameter: 10.5 mm
- Head Height: 13.2 mm
- Optic/Non-Optic



The TwinPower Turbine standard model offers 22 watts of smooth cutting power. Clinically evaluated by several institutions, TwinPower has earned high marks for its fit to hand ergonomics, balance, visibility, power output, and braking ability.

TwinPower Turbine UltraE

- Head Diameter: 9 mm
- Head Height: 12.7 mm
- Optic/Non-Optic



UltraE (mini) is slightly taller than UltraM and more powerful at 20 watts, but still offers a compact head that improves the clinician's view when using a mirror or microscope.

TwinPower Turbine UltraM

- Head Diameter: 9 mm
- Head Height: 10.6 mm
- Optic



UltraM (mini) delivers 18 watts. It is one of the most powerful mini handpieces in its category, based on internal comparison testing. With the shortest head height, it offers exceptional posterior access.

TwinPower Turbine 45

- Head Diameter: 10.5 mm
- Head Height: 13.2 mm
- Optic/Non-Optic



The TwinPower Turbine 45 model offers maximum access and visibility with a 45° angle and an overall head size smaller than competitive units. Rear-facing exhaust vents direct air flow away from the surgical site for patient protection.

TwinPower Turbine Basic

- Head Diameter: 10.5 mm
- Head Height: 13.2 mm
- Non-Optic



The TwinPower Turbine Basic includes several features of the original TwinPower product line at a very economical price. It offers a 4-hole connection and chrome body.

TwinPower Turbine 45 Basic

- Head Diameter: 10.5 mm
- Head Height: 13.2 mm
- Non-Optic



The TwinPower Turbine 45 Basic offers several features of the standard 45 including rear-facing exhaust vents. As a more economical version, it has 4-hole connection and a chrome body.

TwinPower Turbine Optic Handpieces Specifications

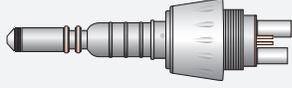
Specifications	 Glass Rod Optics		 Ceramic ball bearing handpiece		 Push-button chuck	
	G-Series	High Torque	Standard	UltraE	UltraM	45°
Model	G-Series	High Torque	Standard	UltraE	UltraM	45°
Connection type	Quick Connect	Quick Connect	Quick Connect	Quick Connect	Quick Connect	Quick Connect
Power*	47 W	25 W	22 W	20 W	18 W	20 W
Rotation speed (at 0.2 MPa/29 psi)	350,000 rpm ± 30,000 rpm		370,000 rpm ± 30,000 rpm			
Air/Water ports	Air/Water: 4	Air/Water: 3	Air/Water: 3	Chip air: 3 Water: 3	Chip air: 5 Water: 1	Chip air: 0 Water: 3
Head diameter	12 mm	12 mm	10.5 mm	9.0 mm	9.0 mm	10.5 mm
Head height	13.2 mm	13.2 mm	13.2 mm	12.7 mm	10.6 mm	13.2 mm
Body/Coating	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Optics	Glass rod optics	Glass rod optics	Glass rod optics	Glass rod optics	Glass rod optics	Glass rod optics
Light intensity	25,000 LUX	25,000 LUX	25,000 LUX	25,000 LUX	25,000 LUX	25,000 LUX
Weight**	50 - 57 g	48 - 57 g	48 - 57 g	48 - 57 g	48 - 57 g	53 - 59 g
Driving air pressure	0.2 - 0.42 MPa 29 - 60 psi	0.2 - 0.29 MPa/29 - 42 psi				
Warranty	2 years	2 years	2 years	2 years	2 years	2 years

TwinPower Turbine Non-Optic Handpieces Specifications

Specifications	 Non-Optic		 Ceramic ball bearing handpiece		 Push-button chuck	
	High Torque Non-Optic	Standard Non-Optic	UltraE Non-Optic	45° Non-Optic	Basic	45° Basic
Model	High Torque Non-Optic	Standard Non-Optic	UltraE Non-Optic	45° Non-Optic	Basic	45° Basic
Connection type	Quick Connect	Quick Connect	Quick Connect	Quick Connect	4-hole	4-hole
Power*	25 W	22 W	20 W	20 W	22 W	20 W
Rotation speed (at 0.2 MPa/29 psi)	350,000 rpm ± 30,000 rpm	370,000 rpm ± 30,000 rpm				
Air/Water ports	Air/Water: 3	Air/Water: 3	Chip air: 3 Water: 3	Chip air: 0 Water: 3	Air/Water: 3	Chip air: 0 Water: 3
Head diameter	12 mm	10.5 mm	9.0 mm	10.5 mm	10.5 mm	10.5 mm
Head height	13.2 mm	13.2 mm	12.7 mm	13.2 mm	13.2 mm	13.2 mm
Body/Coating	Chrome	Chrome	Chrome	Chrome	Chrome	Chrome
Optics	None	None	None	None	None	None
Weight**	43 - 57 g	43 - 57 g	43 - 57 g	50 - 56 g	45 g	45 g
Driving air pressure	0.2 - 0.29 MPa/29 - 42 psi					
Warranty	1.5 years	1.5 years	1.5 years	1.5 years	1 year	1 year

*Output power measured according to the procedure in ISO 14457 2017
 **Weight varies depending on connection type

Connection Options

		TwinPower Morita	G-Series High Torque Standard UltraE	UltraM 45°
		KaVo® MULTIflex® LUX*	G-Series High Torque Standard UltraE	UltraM 45°
		Sirona® R/F*	High Torque Standard UltraE UltraM	
		W&H® Roto Quick*	High Torque Standard UltraE UltraM	
		NSK® Mach/Phatelus®/ FlexiQuick**	G-Series High Torque Standard UltraE	UltraM
	  		Basic & 45° Basic	

Ordering Information

TwinPower Turbine G-Series (With Optics) 16-1818521 Twinpower Turbine 4H PAR-4HG-O (TwinPower Morita) 16-1818522 Twinpower Turbine 4H PAR-4HG-O-KV (KaVo® MULTIflex® LUX*) 16-1818523 Twinpower Turbine 4H PAR-4HG-O-NK (NSK® FlexiQuick**)	TwinPower Turbine UltraM (With Optics) (Mini) 16-5356989 TwinPower Turbine 4H PAR-4HUMX-O (TwinPower Morita) 16-5357578 TwinPower Turbine 4H PAR-4HUMX-O-KV (KaVo® MULTIflex® LUX*) 16-5357608 TwinPower Turbine 4H PAR-4HUMX-O-SR (Sirona® R/F*) 16-5357594 TwinPower Turbine 4H PAR-4HUMX-O-WH (W&H® Roto Quick*) 16-5357586 TwinPower Turbine 4H PAR-4HUMX-O-NK (NSK® FlexiQuick**)
TwinPower Turbine High Torque (With Optics) 16-5339049 TwinPower Turbine 4H PAR-4HX-O (TwinPower Morita) 16-5901111 TwinPower Turbine 4H PAR-4HX-O-KV (KaVo® MULTIflex® LUX*) 16-5901154 TwinPower Turbine 4H PAR-4HX-O-SR (Sirona® R/F*) 16-5901146 TwinPower Turbine 4H PAR-4HX-O-WH (W&H® Roto Quick*) 16-5901138 TwinPower Turbine 4H PAR-4HX-O-NK (NSK® FlexiQuick**)	TwinPower Turbine 45 (With Optics) (45°) 16-5344670 TwinPower Turbine 4H PAR-4HEX-O-45 (TwinPower Morita) 16-5350522 TwinPower Turbine 4H PAR-4HEX-O-KV-45 (KaVo® MULTIflex® LUX*)
TwinPower Turbine High Torque (Non-Optic) 16-1818511 TwinPower Turbine Non-Optic 4H PAR-4HX (TwinPower MORITA) 16-1818512 TwinPower Turbine Non-Optic 4H PAR-4HX-KV (KaVo® MULTIflex® LUX*) 16-1818195 TwinPower Turbine Non-Optic 4H PAR-4HX-NK (NSK® FlexiQuick**)	TwinPower Turbine 45 (Non-Optic) (45°) 16-5361087 TwinPower Turbine 4H PAR-4HEX-45 (TwinPower Morita) 16-5361079 TwinPower Turbine 4H PAR-4HEX-KV-45 (KaVo® MULTIflex® LUX*)
TwinPower Turbine Standard (With Optics) 16-5340888 TwinPower Turbine 4H PAR-4HEX-O (TwinPower Morita) 16-5340608 TwinPower Turbine 4H PAR-4HEX-O-KV (KaVo® MULTIflex® LUX*) 16-5340632 TwinPower Turbine 4H PAR-4HEX-O-SR (Sirona® R/F*) 16-5340624 TwinPower Turbine 4H PAR-4HEX-O-WH (W&H® Roto Quick*) 16-5340616 TwinPower Turbine 4H PAR-4HEX-O-NK (NSK® FlexiQuick**)	TwinPower Turbine Basic 16-5360838 TwinPower Turbine 4H PAR-4HEX-B (4-Hole)
TwinPower Turbine Standard (Non-Optic) 16-1818513 TwinPower Turbine Non-Optic 4H PAR-4HEX (TwinPower MORITA) 16-1818514 TwinPower Turbine Non-Optic 4H PAR-4HEX-KV (KaVo® MULTIflex® LUX*) 16-1818604 TwinPower Turbine Non-Optic 4H PAR-4HEX-NK (NSK® FlexiQuick**)	TwinPower Turbine 45 Basic (45°) 16-5360838 TwinPower Turbine 4H PAR-4HEX-B (4-Hole)
TwinPower Turbine UltraE (With Optics) (Mini) 16-5356970 TwinPower Turbine 4H PAR-4HUEX-O (TwinPower Morita) 16-5357497 TwinPower Turbine 4H PAR-4HUEX-O-KV (KaVo® MULTIflex® LUX*) 16-5357527 TwinPower Turbine 4H PAR-4HUEX-O-SR (Sirona® R/F*) 16-5357519 TwinPower Turbine 4H PAR-4HUEX-O-WH (W&H® Roto Quick*) 16-5357500 TwinPower Turbine 4H PAR-4HUEX-O-NK (NSK® FlexiQuick**)	TwinPower Morita Coupling Options 16-5354978 TwinPower coupling CP4-LD (with LED light) 16-5354951 TwinPower coupling CP4-W-LD (with water adjustment & LED light) 16-5333830 TwinPower coupling CP4-O (with light) 16-5339421 TwinPower coupling CP4-WO (with water adjustment & light) 16-5333881 TwinPower coupling CP4 (without light) 16-5349214 TwinPower coupling CP5-O (with optics)
TwinPower Turbine UltraE (Non-Optic) (Mini) 16-1818519 TwinPower Turbine Non-Optic 4H PAR-4HUEX (TwinPower MORITA) 16-1818516 TwinPower Turbine Non-Optic 4H PAR-4HUEX-KV (KaVo® MULTIflex® LUX*) 16-1818416 TwinPower Turbine Non-Optic 4H PAR-4HUEX-NK (NSK® FlexiQuick**)	

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