

Thinking ahead. Focused on life.

# TwinPower Turbine®

## High-Speed Handpieces

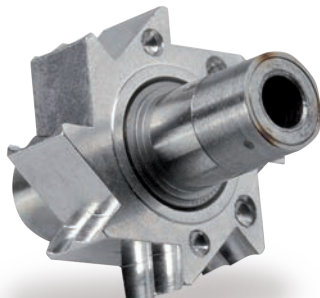
Including the New G-Series  
47 Watts\*. Built to dominate.

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



\*J. MORITA MFG. CORP internal research, 2025. Under ISO 14457 2017 at maximum air pressure on their IFU  
 \*\*Output power measured according to the procedure in ISO 14457 2017 at 0.42MPa, 60 PSI

# 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




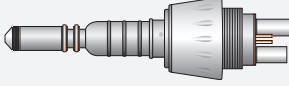










| Specifications                        |  Glass Rod Optics |  Ceramic ball bearing handpiece |  Push-button chuck |                         |                         |                         |
|---------------------------------------|--|--|---|-------------------------|-------------------------|-------------------------|
| 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<br>(at 0.2 MPa/29 psi) | 350,000 rpm<br>± 30,000 rpm  |  | 370,000 rpm ± 30,000 rpm  |                         |                         |                         |
| Air/Water ports                       | Air/Water: 4   | Air/Water: 3   | Air/Water: 3  | Chip air: 3<br>Water: 3 | Chip air: 5<br>Water: 1 | Chip air: 0<br>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<br>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 |                         |              |                         |
|---------------------------------------|---|--|---|-------------------------|--------------|-------------------------|
| 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<br>(at 0.2 MPa/29 psi) | 350,000 rpm<br>± 30,000 rpm   | 370,000 rpm ± 30,000 rpm   |   |                         |              |                         |
| Air/Water ports                       | Air/Water: 3  | Air/Water: 3   | Chip air: 3<br>Water: 3   | Chip air: 0<br>Water: 3 | Air/Water: 3 | Chip air: 0<br>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

|  |  |  |   |               |
|--|--|--|---|---------------|
|  |                       | <b>TwinPower Morita</b>                      | G-Series<br>High Torque<br>Standard<br>UltraE | UltraM<br>45° |
|  |                       | <b>KaVo® MULTIflex® LUX*</b>                 | G-Series<br>High Torque<br>Standard<br>UltraE | UltraM<br>45° |
|  |                       | <b>Sirona® R/F*</b>                          | G-Series<br>High Torque<br>Standard<br>UltraE | UltraM        |
|  |                       | <b>W&amp;H® Roto Quick*</b>                  | High Torque<br>Standard<br>UltraE<br>UltraM   |               |
|  |                       | <b>NSK® Mach/Phatelus®/<br/>FlexiQuick**</b> | High Torque<br>Standard<br>UltraE<br>UltraM   |               |
|  | <br>4-Hole Connection |  | Basic &<br>45° Basic                          |               |
|  | <br>5-Hole Connection |  |   |               |
|  | <br>6-Pin Connection |  |   |               |

# Ordering Information

|  |   |
|--|---|
| <b>TwinPower Turbine G-Series (With Optics)</b>  | <b>TwinPower Turbine UltraM (With Optics) (Mini)</b>  |
| 16H808ENG Twinpower Turbine 4H PAR-4HG-O (TwinPower Morita)<br>16H809ENG Twinpower Turbine 4H PAR-4HG-O-KV (KaVo® MULTIflex® LUX*)<br>16H810ENG Twinpower Turbine 4H PAR-4HG-O-NK (NSK® FlexiQuick**)  | 16-5356989 TwinPower Turbine 4H PAR-4HUMX-O (TwinPower Morita)<br>16-5357578 TwinPower Turbine 4H PAR-4HUMX-O-KV (KaVo® MULTIflex® LUX*)<br>16-5357608 TwinPower Turbine 4H PAR-4HUMX-O-SR (Sirona® R/F*)<br>16-5357594 TwinPower Turbine 4H PAR-4HUMX-O-WH (W&H® Roto Quick*)<br>16-5357586 TwinPower Turbine 4H PAR-4HUMX-O-NK (NSK® FlexiQuick**)                      |
| <b>TwinPower Turbine High Torque (With Optics)</b>   | <b>TwinPower Turbine 45 (With Optics) (45°)</b>   |
| 16-5339049 TwinPower Turbine 4H PAR-4HX-O (TwinPower Morita)<br>16-5901111 TwinPower Turbine 4H PAR-4HX-O-KV (KaVo® MULTIflex® LUX*)<br>16-5901154 TwinPower Turbine 4H PAR-4HX-O-SR (Sirona® R/F*)<br>16-5901146 TwinPower Turbine 4H PAR-4HX-O-WH (W&H® Roto Quick*)<br>16-5901138 TwinPower Turbine 4H PAR-4HX-O-NK (NSK® FlexiQuick**)           | 16-5344670 TwinPower Turbine 4H PAR-4HEX-O-45 (TwinPower Morita)<br>16-5350522 TwinPower Turbine 4H PAR-4HEX-O-KV-45 (KaVo® MULTIflex® LUX*)  |
| <b>TwinPower Turbine High Torque (Non-Optic)</b>   | <b>TwinPower Turbine 45 (Non-Optic) (45°)</b>   |
| 16-1818511 TwinPower Turbine Non-Optic 4H PAR-4HX (TwinPower MORITA)<br>16-1818512 TwinPower Turbine Non-Optic 4H PAR-4HX-KV (KaVo® MULTIflex® LUX*)<br>16-1818195 TwinPower Turbine Non-Optic 4H PAR-4HX-NK (NSK® FlexiQuick**)   | 16-5361087 TwinPower Turbine 4H PAR-4HEX-45 (TwinPower Morita)<br>16-5361079 TwinPower Turbine 4H PAR-4HEX-KV-45 (KaVo® MULTIflex® LUX*)  |
| <b>TwinPower Turbine Standard (With Optics)</b>  | <b>TwinPower Turbine Basic</b>  |
| 16-5340888 TwinPower Turbine 4H PAR-4HEX-O (TwinPower Morita)<br>16-5340608 TwinPower Turbine 4H PAR-4HEX-O-KV (KaVo® MULTIflex® LUX*)<br>16-5340632 TwinPower Turbine 4H PAR-4HEX-O-SR (Sirona® R/F*)<br>16-5340624 TwinPower Turbine 4H PAR-4HEX-O-WH (W&H® Roto Quick*)<br>16-5340616 TwinPower Turbine 4H PAR-4HEX-O-NK (NSK® FlexiQuick**)      | 16-5360838 TwinPower Turbine 4H PAR-4HEX-B (4-Hole)   |
| <b>TwinPower Turbine Standard (Non-Optic)</b>  | <b>TwinPower Turbine 45 Basic (45°)</b>   |
| 16-1818513 TwinPower Turbine Non-Optic 4H PAR-4HEX (TwinPower MORITA)<br>16-1818514 TwinPower Turbine Non-Optic 4H PAR-4HEX-KV (KaVo® MULTIflex® LUX*)<br>16-1818604 TwinPower Turbine Non-Optic 4H PAR-4HEX-NK (NSK® FlexiQuick**)  | 16-5360838 TwinPower Turbine 4H PAR-4HEX-B (4-Hole)   |
| <b>TwinPower Turbine UltraE (With Optics) (Mini)</b>   | <b>TwinPower Morita Coupling Options</b>  |
| 16-5356970 TwinPower Turbine 4H PAR-4HUEX-O (TwinPower Morita)<br>16-5357497 TwinPower Turbine 4H PAR-4HUEX-O-KV (KaVo® MULTIflex® LUX*)<br>16-5357527 TwinPower Turbine 4H PAR-4HUEX-O-SR (Sirona® R/F*)<br>16-5357519 TwinPower Turbine 4H PAR-4HUEX-O-WH (W&H® Roto Quick*)<br>16-5357500 TwinPower Turbine 4H PAR-4HUEX-O-NK (NSK® FlexiQuick**) | 16-5354978 TwinPower coupling CP4-LD (with LED light)<br>16-5354951 TwinPower coupling CP4-W-LD (with water adjustment & LED light)<br>16-5333830 TwinPower coupling CP4-O (with light)<br>16-5339421 TwinPower coupling CP4-WO (with water adjustment & light)<br>16-5333881 TwinPower coupling CP4 (without light)<br>16-5349214 TwinPower coupling CP5-O (with optics) |
| <b>TwinPower Turbine UltraE (Non-Optic) (Mini)</b>   |   |
| 16-1818519 TwinPower Turbine Non-Optic 4H PAR-4HUEX (TwinPower MORITA)<br>16-1818516 TwinPower Turbine Non-Optic 4H PAR-4HUEX-KV (KaVo® MULTIflex® LUX*)<br>16-1818416 TwinPower Turbine Non-Optic 4H PAR-4HUEX-NK (NSK® FlexiQuick**)   |   |

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\*\* NSK and Phatelus are registered trademarks of NAKANISHI INC. Name of coupling varies by country.