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Thinking ahead. Focused on life.

MORITA

# TwinPower Turbine®

## High Speed Handpieces

What makes TwinPower Turbine handpieces unique? Simply put, they offer better visibility with unparalleled cutting power and torque. Even under high load conditions, TwinPower's exclusive double-impeller rotor outperforms the competition. With a range of models, head designs, and price points, TwinPower Turbine is an excellent fit for any practice.



- Unique double-impellers produce high power & torque
- Compact head designs offer exceptional access
- Excellent contamination control with zero drawback in the air line
- Safe, rapid braking technology
- Limited time, 30-day money back guarantee



**TwinPower Rotor**

36 Impeller Blades with
3 Drive Air Nozzles



**Typical Rotor**

8 Impeller Blades with
Only 1 Drive Air Nozzle

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# TwinPower Turbine Product Line

### TwinPower Turbine High Torque

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




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

### TwinPower Turbine Standard

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




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




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




UltraM (mini) delivers 18 watts, twice the power of other popular mini handpieces. With the shortest head height, it offers exceptional posterior access.

### TwinPower Turbine 45

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




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 45 Non-Optic

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




The TwinPower Turbine 45 Non-Optic offers the same features as the standard 45, but without optics.

### TwinPower Turbine Basic

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




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



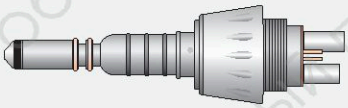
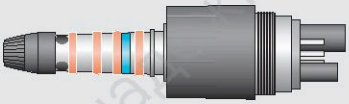
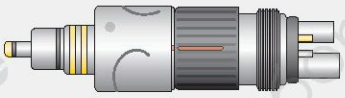
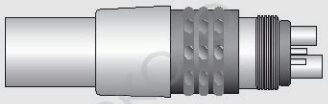

The TwinPower Turbine 45 Basic offers several features of the standard 45 including rear-facing exhaust vents. As a more economical version, it has 4-hole connection and a chrome body.

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# TwinPower Turbine High Speed Handpieces
# Total Versatility

TwinPower can be connected to various commonly used couplings.

| | | |
|---|---|---|
|  |  **TwinPower Morita** | High Torque<br>Standard<br>UltraE<br>UltraM<br>45° & 45°<br>Non-Optic |
|  |  **KaVo® MULTIflex® LUX[1]** | High Torque<br>Standard<br>UltraE<br>UltraM<br>45° & 45°<br>Non-Optic |
|  |  **Sirona® R/F[1]** | High Torque<br>Standard<br>UltraE<br>UltraM |
|  |  **W&H® Roto Quick[1]** | High Torque<br>Standard<br>UltraE<br>UltraM |
|  |  **NSK® Mach/Phatelus®/ FlexiQuick Coupling[2]** | High Torque<br>Standard<br>UltraE<br>UltraM |
|  |  4-Hole Connection<br> 5-Hole Connection<br> 6-Pin Connection | Basic &<br>45° Basic |

Note: TwinPower Turbine 45 is available only in Morita and KaVo® type. TwinPower Turbine Basic and 45 Basic are only available with 4-Hole connection.

| **Specifications** | Ball Ceramic ball bearing handpiece | | | P Push-button chuck | | | | |
|---|---|---|---|---|---|---|---|---|
| Model | High Torque | Standard | UltraE | UltraM | 45° | 45° Non-Optic | Basic | 45° Basic |
| Power* | 25 W | 22 W | 20 W | 18 W | 20 W | 20 W | 22 W | 20 W |
| Rotation speed (at 0.2 MPa/29psi) | 350,000 rpm ± 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: 5<br>Water: 1 | Chip air: 0<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 | 9.0 mm | 10.5 mm | 10.5 mm | 10.5 mm | 10.5 mm |
| Head height | 13.2 mm | 13.2 mm | 12.7 mm | 10.6 mm | 13.2 mm | 13.2 mm | 13.2 mm | 13.2 mm |
| Body/Coating | Ceramic coating | Ceramic coating | Ceramic coating | Ceramic coating | Ceramic coating | Chrome | Chrome | Chrome |
| Optics | Glass rod optics | Glass rod optics | Glass rod optics | Glass rod optics | Glass rod optics | None | None | None |
| Light intensity | 25,000 LUX | 25,000 LUX | 25,000 LUX | 25,000 LUX | 25,000 LUX | NA | NA | NA |
| Weight** | 48 - 57 g | 48 - 57 g | 48 - 57 g | 48 - 57 g | 53 - 59 g | 50 - 56 g | 45 g | 45 g |
| Driving air pressure | 0.2 – 0.29 MPa/29 - 42 psi | | | | | | | |
| Warranty | 2 years | 2 years | 2 years | 2 years | 2 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

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# Ordering Information

## TwinPower Turbine High Torque



| | |
|---|---|
| 16-5339049 | TwinPower Turbine 4H PAR-4HX-O (TwinPower Morita) |
| 16-5901111 | TwinPower Turbine 4H PAR-4HX-O-KV (KaVo® MULTIflex® LUX[1]) |
| 16-5901154 | TwinPower Turbine 4H PAR-4HX-O-SR (Sirona® R/F[1]) |
| 16-5901146 | TwinPower Turbine 4H PAR-4HX-O-WH (W&H® Roto Quick[1]) |
| 16-5901138 | TwinPower Turbine 4H PAR-4HX-O-NK (NSK® FlexiQuick[2]) |

## TwinPower Turbine Standard



| | |
|---|---|
| 16-5340888 | TwinPower Turbine 4H PAR-4HEX-O (TwinPower Morita) |
| 16-5340608 | TwinPower Turbine 4H PAR-4HEX-O-KV (KaVo® MULTIflex® LUX[1]) |
| 16-5340632 | TwinPower Turbine 4H PAR-4HEX-O-SR (Sirona® R/F[1]) |
| 16-5340624 | TwinPower Turbine 4H PAR-4HEX-O-WH (W&H® Roto Quick[1]) |
| 16-5340616 | TwinPower Turbine 4H PAR-4HEX-O-NK (NSK® FlexiQuick[2]) |

## TwinPower Turbine UltraE (Mini)



| | |
|---|---|
| 16-5356970 | TwinPower Turbine 4H PAR-4HUEX-O (TwinPower Morita) |
| 16-5357497 | TwinPower Turbine 4H PAR-4HUEX-O-KV (KaVo® MULTIflex® LUX[1]) |
| 16-5357527 | TwinPower Turbine 4H PAR-4HUEX-O-SR (Sirona® R/F[1]) |
| 16-5357519 | TwinPower Turbine 4H PAR-4HUEX-O-WH (W&H® Roto Quick[1]) |
| 16-5357500 | TwinPower Turbine 4H PAR-4HUEX-O-NK (NSK® FlexiQuick[2]) |

## TwinPower Turbine UltraM (Mini)



| | |
|---|---|
| 16-5356989 | TwinPower Turbine 4H PAR-4HUMX-O (TwinPower Morita) |
| 16-5357578 | TwinPower Turbine 4H PAR-4HUMX-O-KV (KaVo® MULTIflex® LUX[1]) |
| 16-5357608 | TwinPower Turbine 4H PAR-4HUMX-O-SR (Sirona® R/F[1]) |
| 16-5357594 | TwinPower Turbine 4H PAR-4HUMX-O-WH (W&H® Roto Quick[1]) |
| 16-5357586 | TwinPower Turbine 4H PAR-4HUMX-O-NK (NSK® FlexiQuick[2]) |

## TwinPower Turbine 45 and TwinPower Turbine 45 Non-Optic (45°)



| | |
|---|---|
| 16-5344670 | TwinPower Turbine (With Optics) 4H PAR-4HEX-O-45 (TwinPower Morita) |
| 16-5350522 | TwinPower Turbine (With Optics) 4H PAR-4HEX-O-KV-45 (KaVo® MULTIflex® LUX[1]) |
| 16-5361087 | TwinPower Turbine (Non-Optic) 4H PAR-4HEX-45 (TwinPower Morita) |
| 16-5361079 | TwinPower Turbine (Non-Optic) 4H PAR-4HEX-KV-45 (KaVo® MULTIflex® LUX[1]) |

## TwinPower Turbine Basic



| | |
|---|---|
| 16-5360838 | TwinPower Turbine 4H PAR-4HEX-B (4-Hole) |

## TwinPower Turbine 45 Basic (45°)



| | |
|---|---|
| 16-5606322 | TwinPower Turbine 4H PAR-4HEX-B-45 (4-Hole) |

## 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) |

[1] KaVo MULTIflex LUX is a registered trademark of Kaltenbach & Voigt GmbH. Sirona is a registered trademark of Sirona Dental Systems GmbH. W&H and Roto Quick are registered trademarks of W&H Dental Bürmoos GmbH.
[2] NSK and Phatelus are registered trademarks of NAKANISHI INC. Name of coupling varies by country.

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