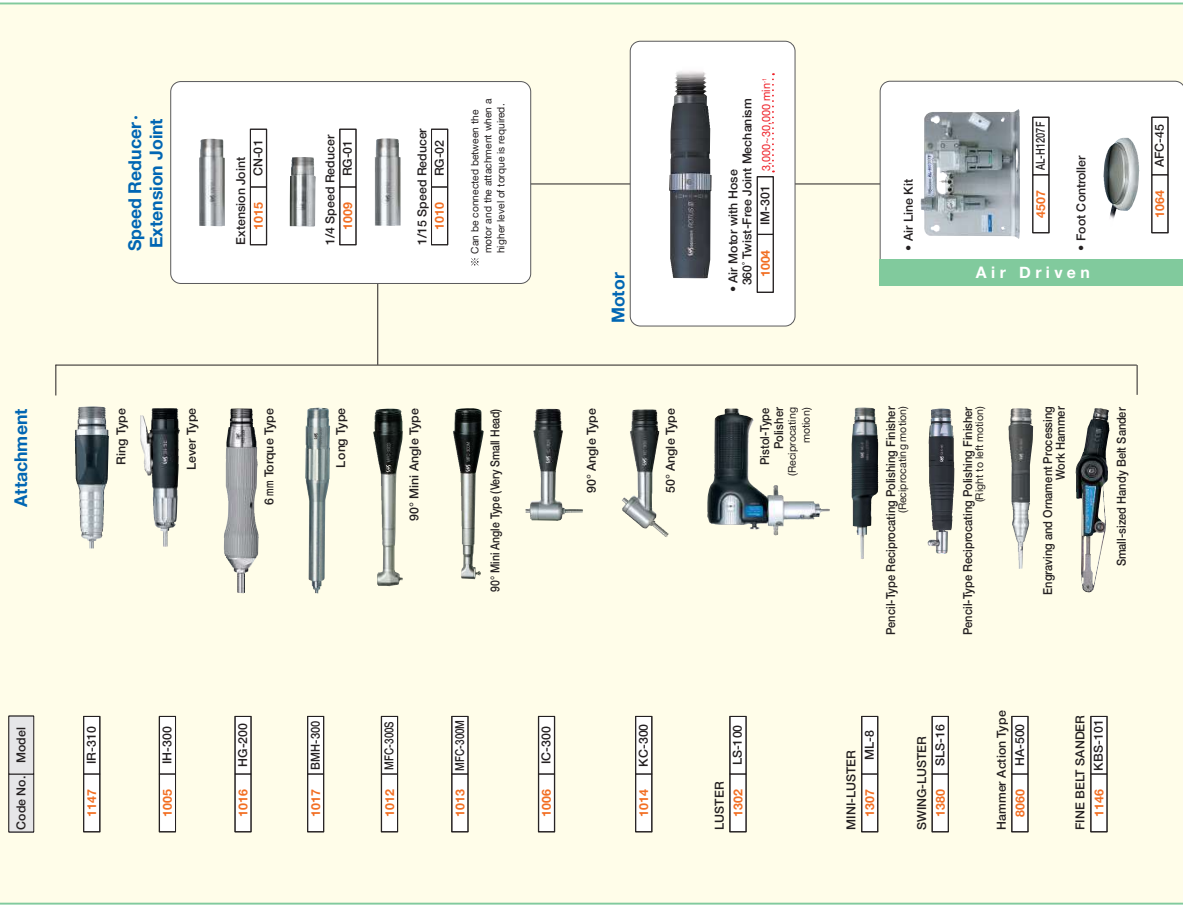


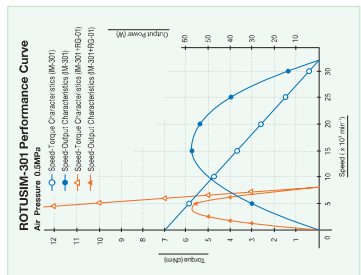
ROTUS Series System Chart



ROTUS SERIES

PRECISION HIGH TORQUE AIR MOTOR • STANDARD SET

ROTUS Air Motor • Standard Set



- High performance air motor with high torque. The vane and cylinder, which are the result of NAKANISHI's ultra-precision machining expertise, minimize the decrease in rotational speed due to cutting load.
- This high performance air motor with minimal power loss from load fluctuation has excellent performance in its grinding stability. Moreover, the motor with minimal air consumption runs quietly and the energy-saving mechanism makes it possible to operate with a 0.75KW (1HP) air compressor.
- Lightweight and compact design. 130 g (w/o hose)
- 13 types of attachments for all types of applications.
 - ON / OFF, FWD, / REV, Rotation Direction and Motor Speed can be controlled only by the Ring Switch.
 - Foot controller is available (p. 2-10) : variable speed control.
- Cooling system suppresses heat for continuous operation.
- By attaching the silencer to the end of the exhaust air tubing, the noise level can be reduced to an outstanding level.
- Twist-Free Joint mechanism is installed in the IM-301 to solve the problem of hose twisting.

ROTUS Air Motor (with Twist-Free Joint Mechanism)

2,000-30,000 min⁻¹

Code No.	1004	Model	IM-301
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- ◆ Speed : Max. 30,000 min⁻¹ (0.4 MPa)
- ◆ Proper Air Pressure : 0.3-0.45 MPa
- ◆ Air Consumption : 75 NL / min ◆ Output Power : 46 W
- ◆ Max. Torque : 6.6 cNm (0.4 MPa) ◆ Weight : 130 g (w/o hose)

Standard Accessories
 ◆ Hose (K-208) : 2 m ◆ Silencer (K-209) ◆ Pin Wrench (K-233) : 1 pc.



- <Air Motor with 360° Twist-Free Joint Mechanism>
- The Twist-Free Joint mechanism will avoid hose twisting.

ROTUS Standard Set



30,000 min⁻¹ (Speed)

The ROTUS System is a hand-held grinder with an energy saving air motor. Since it is an air driven system, there is virtually no heat generated to result in excellent durability. Select from a variety of attachments depending on the application.

The Ring type IR-310 is a standard attachment for the ROTUS standard set ROTUS-IR.

Code No.	1163	Model	ROTUS-IR
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- Standard Equipment
- ◆ Air (IR-310 (ML-8)) : 1 pc.
 - ◆ Coil (CH-5.0) (2.35) : 1 pc. each
 - ◆ Air Line Kit (AL-H1207F) : 1 pc. ◆ Foot Controller (AFC-45) : 1 pc.
 - ◆ Accessories : Piping Hose 2m (K-279) : 1 pc., Lubricating Oil (K-211) : 1 pc., Wrench (7 x 5.1) : 1 pc., Pin Wrench (K-233) : 2 pcs., L Shaped Wrench (9) : 1 pc.

Specifications (IR-310 + IM-301)

Weight	222g (+)	Max. Torque	6.6 cNm (0.4 MPa)	Speed	30,000 min ⁻¹	Proper Air Pressure	0.3-0.45 MPa	Air Consumption	75 NL / min	Output Power	46 W (Motor)	Coilet	ø0.3-ø3.175 mm CHH Group (p.4-3)
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※ Weight (w/o Hose)

◆ Order by Code No.

▲ Details of Maximum Allowable speed on intermittent use or continuous use p.2-7-10