



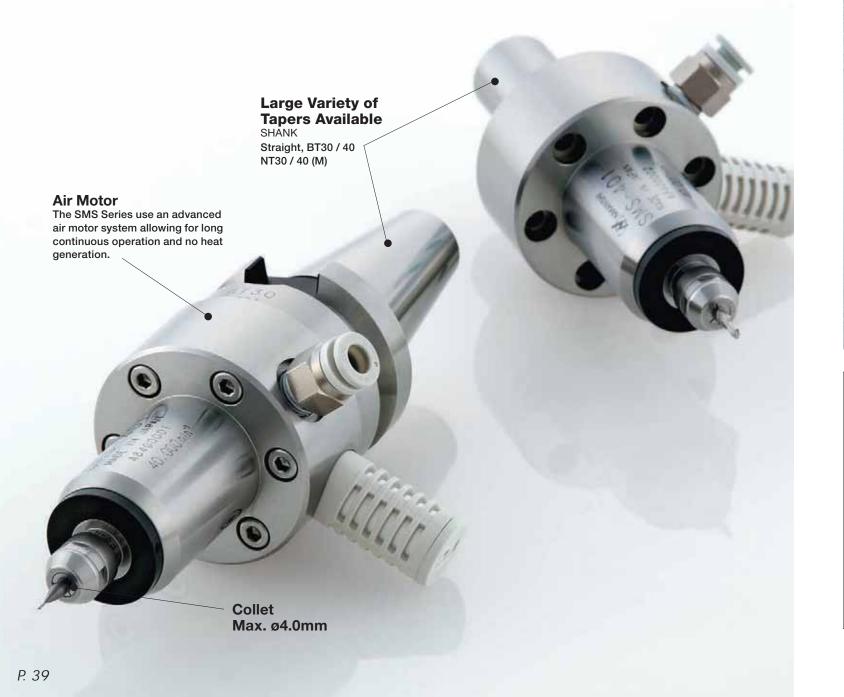


40,000min⁻¹ (0.5MPa)

Max. Power

52W (0.5MPa)

High Cost Performance for MC High Speed Main Spindle Solution

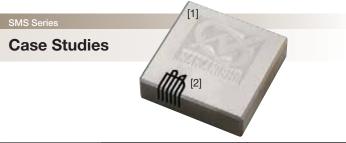




SMS Series Connection Diagram

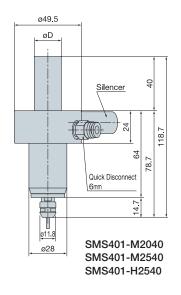
Clean, lubricated, and regulated air is required for the SMS Series spindles. Please refer to the diagram to the right for proper connections. The AL-M1202 incorporates a filter, regulator and lubricator to provide the appropriated air.





| Material | | STAVAX (HRC 52) | | | | |
|------------|-------------|---|-------|--|-------|--|
| Sample No. | Usable Tool | Motor Speed Work Feed min ⁻¹ Cutting Depth Ad (mm) | | Total Time | | |
| [1] | R0.3x3 | 40,000 | 2 000 | Rough cutting: 0.025 Finishing: 0.005 | 80min | |
| [2] | R0.5x12 | 40,000 | 2,000 | 0.01 Depth: 10 | 50min | |

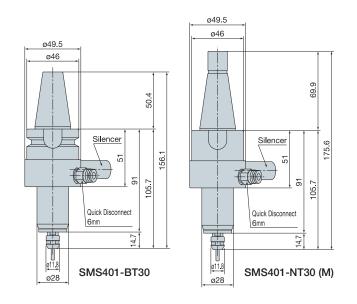




| Proper Air Pressure | : 0.3MPa~0.5MPa |
|---------------------------------|---|
| Hose Diameter Air Inlet | : ø6.0mm (O.D.) x 2m |
| < Standard Equipment Acces | sories > |
| Collet: ø4.0mm (CHA-4.0) | Collet Nut (CHN-A) |
| Spanner (8 x 5), (9 x 11) : 1pc | . each |
| Hose (K-215) : ø6.0mm x 2m | Filter Joint (FJ-01) |
| *SMS401-H2540- Standard Ed | quipment is Collet ø3.175mm(CHA-3.175). |
| < Optional > | |
| Collet (CHA Group) | : Ø0.5~Ø4.0mm See Page 44 for details |
| | |

| Code No. | 9121 | Model | SMS401-M2040 | Shank (øD) | ø20mm | Weight | 555g |
|-------------|------|-------|--------------|------------|---------|--------|------|
| Code No. | 9122 | Model | SMS401-M2540 | Shank (øD) | ø25mm | Weight | 705g |
| Code No. | 9123 | Model | SMS401-H2540 | Shank (øD) | ø25.4mm | Weight | 715g |



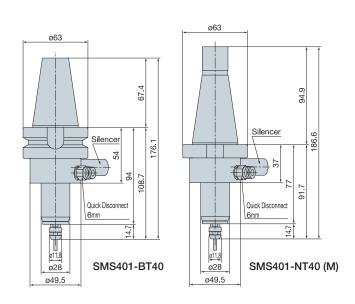


| Proper Air Pressure | : 0.3MPa~0.5MPa |
|---------------------------------|--|
| Hose Diameter Air Inlet | : ø6.0mm (O.D.) x 2m |
| < Standard Equipment Acces | ssories > |
| Collet: ø4.0mm (CHA-4.0) | Collet Nut (CHN-A) |
| Spanner (8 x 5), (9 x 11) : 1pc | c. each |
| Hose (K-215) : ø6.0mm x 2m | Filter Joint (FJ-01) |
| < Optional > | |
| Collet (CHA Group) | : Ø0.5~Ø4.0mm See Page 44 for details |
| Grindstone Axis (AGM-01A) | : For grinding wheel with I.D. of ø5.0mm |

| Code No. | 9126 | Model | SMS401-BT30 | Weight | 935g |
|-------------|------|-------|--------------|--------|------|
| Code No. | 9127 | Model | SMS401-NT30 | Weight | 965g |
| Code No. | 9128 | Model | SMS401-NT30M | Weight | 975g |



< Specifications >



| Proper Air Pressure | : 0.3MPa~0.5MPa |
|------------------------------------|------------------------------------|
| Hose Diameter Air Inlet | : ø6.0mm (O.D.) x 2m |
| < Standard Equipment Acces | ssories > |
| Collet: ø4.0mm (CHA-4.0) | Collet Nut (CHN-A) |
| Spanner (8 x 5), (9 x 11) : 1pc | c. each |
| Hose (K-215) : ø6.0mm x 2m | Filter Joint (FJ-01) |
| | |
| < Optional > | |
| < Optional > Collet (CHA Group) | : ø0.5~ø4.0mm See Page 44 for deta |

| Code No. | 9129 | Model | SMS401-BT40 | Weight | 1,555g |
|-------------|------|-------|--------------|--------|--------|
| Code No. | 9130 | Model | SMS401-NT40 | VA/-: | 1.005 |
| Code No. | 9131 | Model | SMS401-NT40M | Weight | 1,285g |

Air Line Kit AL-M1202 (ø6mm Air Output One-Touch Connector)

■ The AL-M1202 provides simple, automatic conditioning of the air supplied to NAKANISHI air motors. The filter removes water and impure substances from the input air supply. The regulator maintains to proper air pressure and the lubricator ensures proper oil flow to the motor and spindle. This Air Line Kit is wall mountable.

Filter Mesh 0.3 µm

| Code No. | 4502 | Model | AL-M1202 |
|-------------|------|-------|----------|
|-------------|------|-------|----------|

< Standard Equipment Accessories >

Connection Hose (K-275): 2m Lubricating Oil (K-211): 1pc.

■ Parts

| Product | Inside Diameter : ød | Fit to | Model | Code No. |
|------------------|--|-----------------------------|-------------|----------|
| | ø3.0AA* | | CHA-3.0AA | 91494 |
| I.D. 15.5 | ø3.175AA* | | CHA-3.175AA | 91496 |
| 41 71 | ø4.0AA* | | CHA-4.0AA | 91495 |
| r (| ø2.35 | | CHA-2.35 | 91492 |
| ø1.0~ø4.0 | ø3.0 | | CHA-3.0 | 91430 |
| | ø3.175 | SMS series | CHA-3.175 | 91493 |
| | ø4.0 | High precision type AA | CHA-4.0 | 91440 |
| I.D. 16 | ø0.5, ø0.6, ø0.7, ø0.8, ø0.9 | (Spindle runout within 2µm) | | |
| 00.5~00.9 | ø1.1, ø1.2, ø1.3, ø1.4, ø1.7, ø1.8, ø1.9 ø2.1, ø2.2, ø2.3, ø2.4, ø2.6, ø2.7, ø2.8, ø2.9 ø3.1, ø3.2, ø3.3, ø3.4, ø3.6, ø3.7, ø3.8, ø3.9 | | CHA- | _ |
| | ø1.0, ø1.5, ø2.0, ø2.5, ø3.5 | | | |
| Collet CHA Group | ø1.6 | | | |
| 11.5 | Collet Nut for Collet (CHA) | SMS series | CHN-A | 2102 |
| 41 05 | Grindstone Axis Run-out Accuracy: Within 0.02 mm For Grindstone with ø5.0 mm I.D. | SMS series | AGM-01A | 2137 |
| | Lubricating Oil (70cc) | Air Line Kit (AL-M1202) | K-211 | 1057 |
| 9 | Lubricating Oil (1L) | Air Line Kit (AL-M1202) | K-202 | 1058 |

*: For right hand (cw) rotation only.