# Series coolant

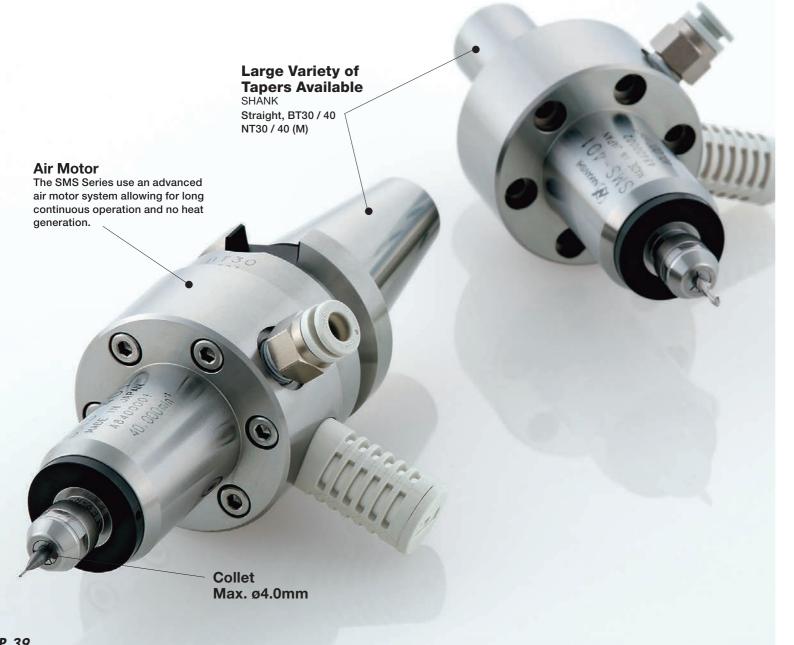


40,000min<sup>-1</sup> (0.5MPa)

Max. Power

**52W** (0.5MPa)

## **High Cost Performance for MC High Speed Main Spindle Solution**





### **\$M\$** Series Connection Diagram

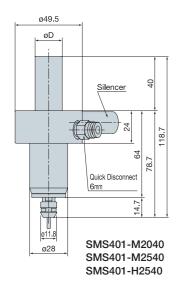
Clean, lubricated, and regulated air is required for the SMS Series spindles. Please refer to the diagram to the right for proper connections. The AL-M1202 incorporates a filter, regulator and lubricator to provide the appropriated air.





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

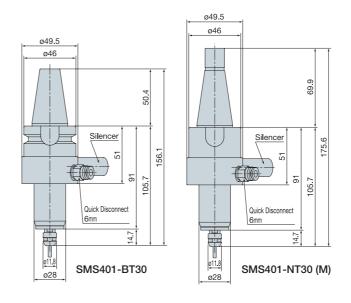




< Specifications >	
Proper Air Pressure	: 0.3MPa~0.5MPa
Hose Diameter Air Inlet	: ø6.0mm (O.D.) x 2m
< Standard Equipment Acces	ssories >
• Collet : Ø4.0mm (CHA-4.0) • €	Collet Nut (CHN-A)
• Spanner (8 x 5), (9 x 11) : 1pc	c. each
● Hose (K-215) : ø6.0mm x 2m	• Filter Joint (FJ-01)
*SMS401-H2540 – Standard E	quipment is Collet ø3.175mm(CHA-3.175).
< 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.	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



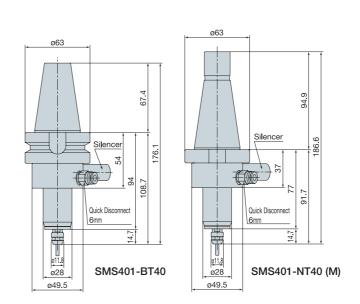


Proper Air Pressure	: 0.3MPa~0.5MPa
Hose Diameter Air Inlet	: ø6.0mm (O.D.) x 2m
< Standard Equipment Acces	ssories >
● Collet : ø4.0mm (CHA-4.0) ●	Collet Nut (CHN-A)
• Spanner (8 x 5), (9 x 11) : 1pc	c. each
● Hose (K-215) : ø6.0mm x 2m	• Filter Joint (FJ-01)
0.11	
< Optional >	
Collet (CHA Group)	: Ø0.5~Ø4.0mm See Page 44 for detail
oolict (or in t droup)	

\*NT30M - Retention knob threads are metric.

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

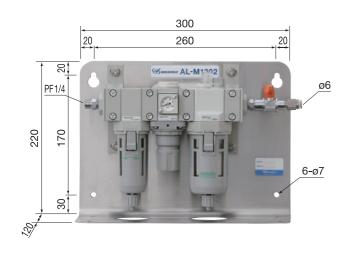




Proper Air Pressure	: 0.3MPa~0.5MPa
Hose Diameter Air Inlet	: ø6.0mm (O.D.) x 2m
< Standard Equipment Acces	sories >
• Collet : Ø4.0mm (CHA-4.0) • C	Collet Nut (CHN-A)
• Spanner (8 x 5), (9 x 11) : 1pc	. each
● Hose (K-215) : ø6.0mm x 2m	• Filter Joint (FJ-01)
< Optional >	20 5 24 0mm Occ Docc 44 fee date!
Collet (CHA Group)	: Ø0.5~Ø4.0mm See Page 44 for detail
(	

Code No.	9129	Model	SMS401-BT40	Weight	1,555g
Code No.	9130	Model	SMS401-NT40	Mainh.	1 005~
Code No.	9131	Model	SMS401-NT40M	Weight	1,285g

## 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 7 3 3 3 4 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5	ø4.0AA*		CHA-4.0AA	91495
6 (0)	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)		
ø0.5~ø0.9	01.1, 01.2, 01.3, 01.4, 01.7, 01.8, 01.9 02.1, 02.2, 02.3, 02.4, 02.6, 02.7, 02.8, 02.9 03.1, 03.2, 03.3, 03.4, 03.6, 03.7, 03.8, 03.9		СНА-□□	_
	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.

P. 44