

LPR's Air Bearing Spindles are ideal for high speed, precision machining applications such as micro-grinding, PCB drilling, wafer dicing, glass grinding, engraving, and tool grinding, among others. Clean, compressed air is pumped through the spindle, eliminating mechanical contact between the surfaces. This offers benefits such as reduced vibration, long bearing life, high rotational accuracy, large load capacity, and no contamination. Speeds of over 120,000 rpm can be achieved easily with high accuracy and minimal heat generation.

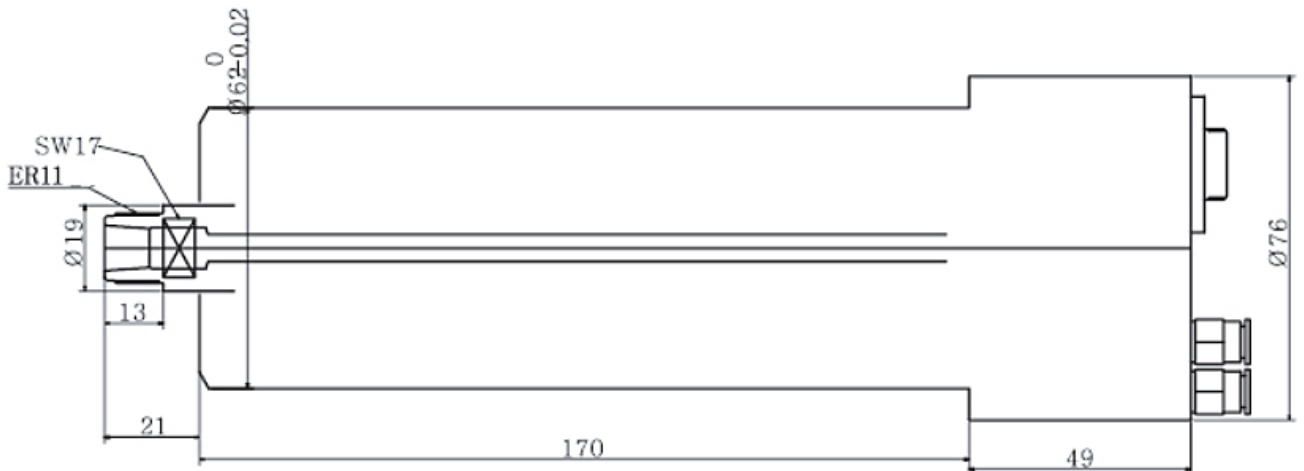
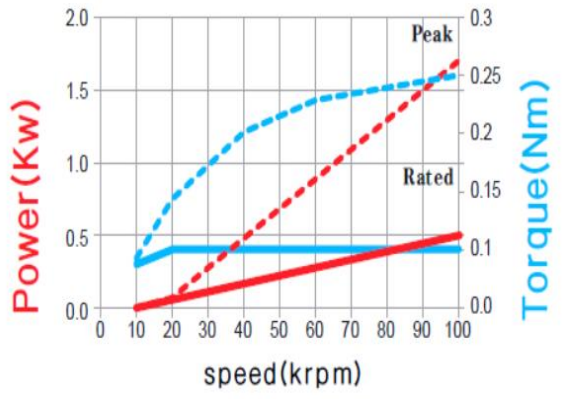
Please contact us for customized designs.



Model	Diameter (mm)	Power (kW)	Speed (max rpm)	Taper Interface	Lubrication
SW62A-1005-E11	62	0.5	100,000	ER11 (MTC)	Air
SW62A-1251-E11	62	1.0	125,000	ER11 (MTC)	Air
SW62A-1005-PC6	62	0.5	100,000	PC6 (ATC)	Air
SW62A-1251-PC6	62	1.0	125,000	PC6 (ATC)	Air

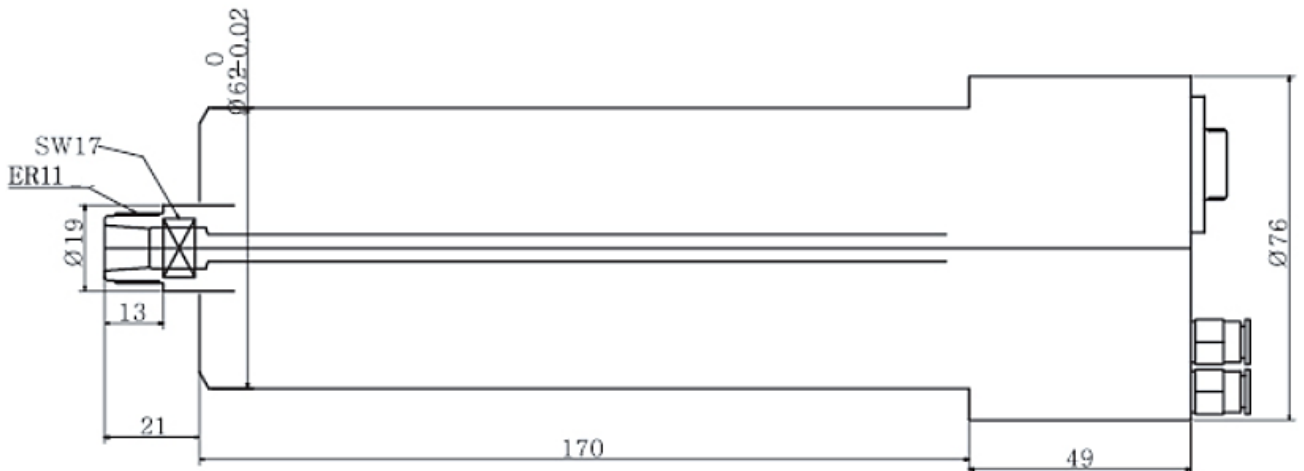
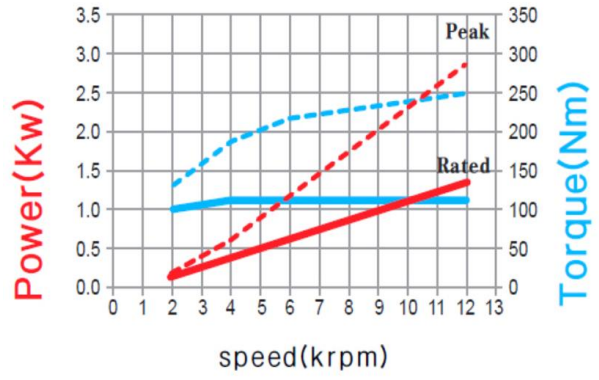
SW62A-1005-E11

Housing Diameter (mm)	62
Housing Material	Stainless Steel
Power S1 (kW)	0.5
Speed (RPM)	100,000
Frequency (Hz)	1,667
Current (A)	1.5
Motor Poles	2
Tool Change	Manual
Taper	ER11
Coolant	Water/Oil
Bearing lubricant	Air
Weight (kg)	3.5



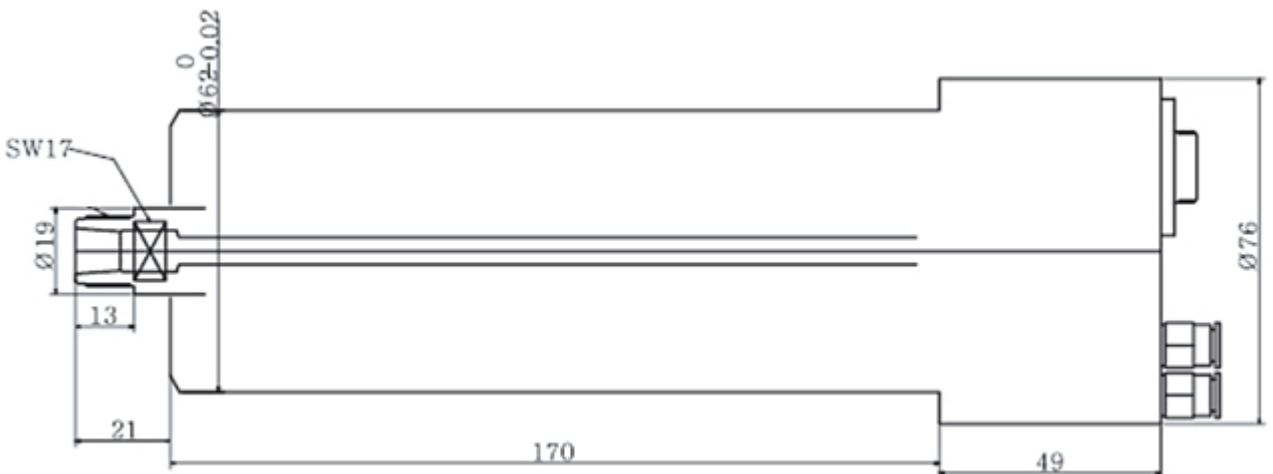
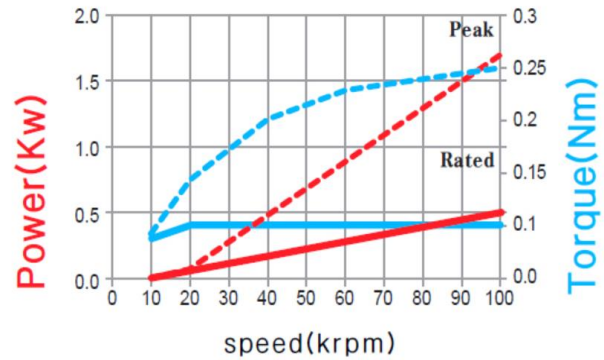
SW62A-1251-E11

Housing Diameter (mm)	62
Housing Material	Stainless Steel
Power S1 (kW)	1
Speed (RPM)	125,000
Frequency (Hz)	2,084
Current (A)	2.4
Motor Poles	2
Tool Change	Manual
Taper	ER11
Coolant	Water/Oil
Bearing lubricant	Air
Weight (kg)	3.5



SW62A-1005-PC6

Housing Diameter (mm)	62
Housing Material	Stainless Steel
Power S1 (kW)	0.5
Speed (RPM)	100,000
Frequency (Hz)	1,667
Current (A)	1.5
Motor Poles	2
Tool Change	Auto
Taper	Pc6
Coolant	Water/Oil
Bearing lubricant	Air
Weight (kg)	4



SW62A-1251-PC6

Housing Diameter (mm)	62
Housing Material	Stainless Steel
Power S1 (kW)	1.2
Speed (RPM)	80,000
Frequency (Hz)	1,333
Current (A)	7
Motor Poles	2
Tool Change	Auto
Taper	Pc6
Coolant	Water
Bearing lubricant	Air
Weight (kg)	4

