



**AIRSHIELD<sup>3</sup>**

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# Eliminate spindle failure due to bearing contamination.

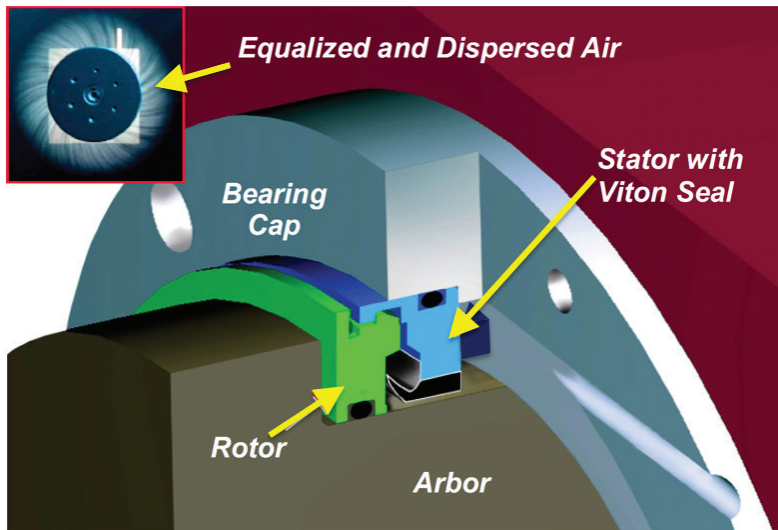
## Proven to reduce cost and downtime

The most common spindle failure is caused by bearing failure due to contamination from coolant ingress, condensation, particulate contamination, or chip damage. Contamination enters spindles because the bearing seals are inadequate or fail.

*The Setco AirShield™ has eliminated spindle failure due to bearing contamination and proven itself as the best and most reliable bearing seal in the industry.*



Performance has been proven by extensive testing for over 20 years, and real world applications without failure attributable to the AirShield™ performance.



## Patented Design

Clean, dry, pressurized air is ported to the AirShield. Specialized ducts redistribute the air to create uniform pressure underneath a flexible lip. The air flexes the lip away from its contact surface, allowing near frictionless operation. As the air flexes the lip and escapes the seal it expels contamination.

Standard AirShield Seal Sizes			
Model*	Inside Diameter (Nominal)	Outside Diameter (Nominal)	Overall Seal Width (Nominal)
AS3-025	25 mm (0.98 in)	51 mm (2.00 in)	17.50 mm (0.69 in)
AS3-030	30 mm (1.18 in)	56 mm (2.20 in)	17.50 mm (0.69 in)
AS3-035	35 mm (1.38 in)	61 mm (2.40 in)	17.50 mm (0.69 in)
AS3-040	40 mm (1.57 in)	66 mm (2.60 in)	17.50 mm (0.69 in)
AS3-045	45 mm (1.77 in)	71 mm (2.80 in)	17.50 mm (0.69 in)
AS3-050	50 mm (1.97 in)	76 mm (2.99 in)	17.50 mm (0.69 in)
AS3-055	55 mm (2.17 in)	81 mm (3.19 in)	17.50 mm (0.69 in)
AS3-060	60 mm (2.36 in)	86 mm (3.39 in)	17.50 mm (0.69 in)
AS3-065	65 mm (2.56 in)	91 mm (3.58 in)	17.50 mm (0.69 in)
AS3-070	70 mm (2.76 in)	96 mm (3.78 in)	17.50 mm (0.69 in)
AS3-075	75 mm (2.95 in)	101 mm (3.98 in)	17.50 mm (0.69 in)
AS3-080	80 mm (3.15 in)	106 mm (4.17 in)	17.50 mm (0.69 in)
AS3-085	85 mm (3.35 in)	111 mm (4.37 in)	17.50 mm (0.69 in)
AS3-090	90 mm (3.54 in)	116 mm (4.57 in)	17.50 mm (0.69 in)
AS3-095	95 mm (3.74 in)	121 mm (4.76 in)	17.50 mm (0.69 in)
AS3-100	100 mm (3.94 in)	126 mm (4.96 in)	17.50 mm (0.69 in)
AS3-105	105 mm (4.13 in)	131 mm (5.16 in)	17.50 mm (0.69 in)
AS3-110	110 mm (4.33 in)	136 mm (5.35 in)	17.50 mm (0.69 in)
AS3-115	115 mm (4.53 in)	141 mm (5.55 in)	17.50 mm (0.69 in)
AS3-120	120 mm (4.720 in)	146 mm (5.75 in)	17.50 mm (0.69 in)

Setco is the technical leader in the design, manufacture, and service of precision spindles, milling heads, slides, and spindle/slide combinations. With the largest variety of spindles, new and rebuilt, including belt-driven, geared, motorized, high-speed and high-frequency models, Setco is a major spindle manufacturer. Through its nine global locations, Setco is the industry leader in manufacturing or rebuilding over 12,000 spindles per year for over 350 machine tool brands.

## SERVICE CENTERS

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