

SET FOR LIFE



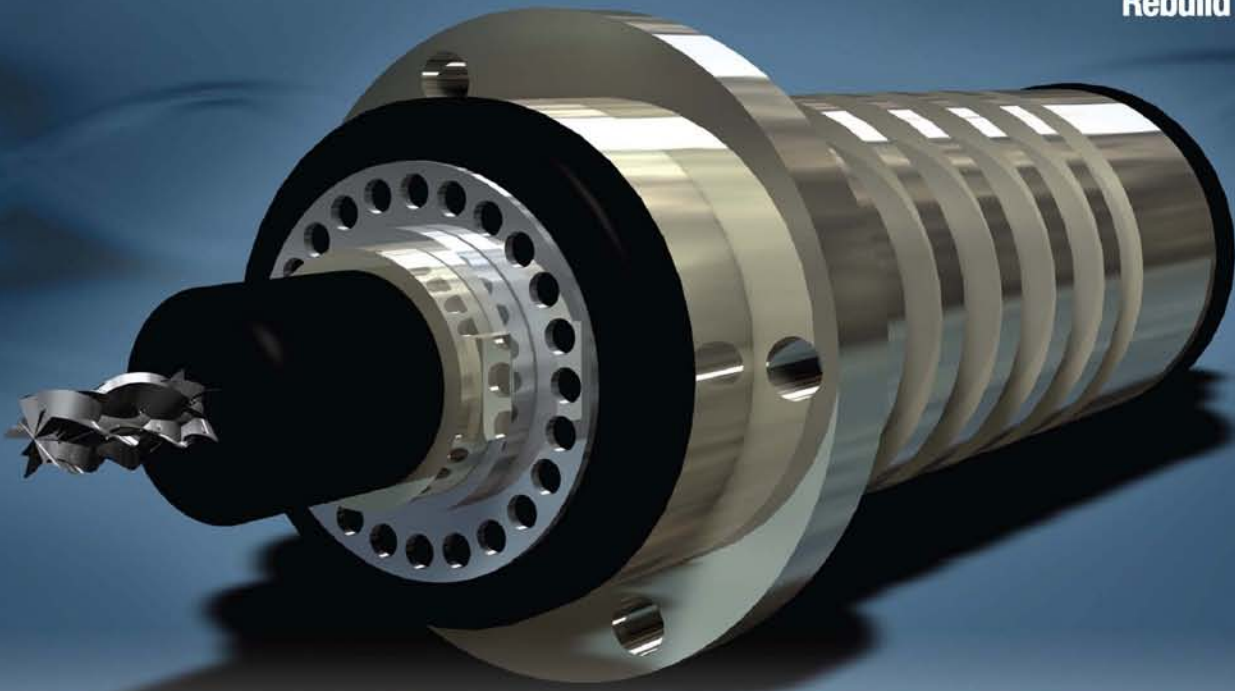
SPINDLES



SLIDES



setco
RESET
Repair &
Rebuild Services



setcoTM
Set for Life



The Setco™ Inside Story



Setco™ is a World Leader in the design, manufacture & service of precision spindles & slides. With an installed base of over 250,000 spindles & slides, our expertise is as extensive and widely recognized as our global customer list. And Setco™ specializes in key industry applications for the automotive, aerospace, construction, die/mold, cabling & winding, plastics, woodworking & general metalworking industries.

Our precision spindle technologies range from standard to custom designs in belt-driven, CNC, gear-driven, motorized models, high speed & high frequency models. Setco™ also manufactures complete lines of precision slides; dovetail, hardened way, & linear bearing designs. Precision manufacturing allows our spindle & slide products to feature a standardized “building block design” for cost effective solutions for machine builders. Setco™ technologies will give you the competitive edge you need with products & services that outrun, outperform & outlast all other manufacturers.

Quality Matched Performance

We know there is no substitute for quality. With our 100% part inspection policy all parts are inspected before any assembly is started. When sub-assemblies & unit assemblies are complete, the inspection process continues to check features & specifications prior to final assembly. The assembled product is carefully tested to OEM specifications, ensuring the spindle is operating correctly, and resulting signature data is collected and stored using automated computer inspection software.

Before any product ships our quality control department performs a final inspection to ensure the product meets customer specifications. Our quality procedures ensure the product we ship meets the highest standards & your expectations.



Set for Life – Spindles, Slides & Service



Setco™ originated in 1912 as the Standard Electric Tool Company, manufacturer of “Standard” drills, grinders, polishers, & work-head machinery. Today, Setco™ is still headquartered in Cincinnati Ohio, not far from the original factory. And though Setco products have evolved, our commitment to delivering the highest quality products & services was never stronger than it is today.

We maintain this focus by aligning our operations with our company mission. And this mission is expressed in our tag line: Set For Life. Our pledge is that with any product we make or service comes a better and longer running life for your machine. And that’s not all, when you purchase a Setco™ product you are Set for Life because we will be here when you need us.

World Class Technology for the Life of Your Machine

For a lifetime of better performance use Setco™ for all your precision spindle & slide services. With Setco™ you get performance that no one else can offer, spindles that run faster, longer, & with greater reliability that give you a competitive edge. The spindle is the heart of the machine & only Setco™ can deliver the blend of engineered bearing, grease, seal & motor technologies that achieve the highest performance & add years of life to your machines.

And to keep your spindles running, we offer the most comprehensive & complete spindle repair, rebuild & retrofit services in the industry. We repair almost any make & model spindle – OEM, foreign & domestic. Our ReSet retrofit packages can bring new life, performance, & accuracy to your machines.

For all your spindle & slide service needs, call toll-free 1-800-543-0470, or find the nearest Setco™ sales office by visiting our website: setcousa.com



ReSet Your Spindle for Greater Performance

Advanced spindle technology is what differentiates Setco™ as the leader & sets us apart from the competition by making our spindles outrun, outperform & outlast the competition. Setco™ ReSet has the right blend of spindle technology for all your spindle needs.

We Service Most Any Spindle Make, Model & Size

- Foreign, Domestic & OEM
- Belt-driven, CNC, Gear-driven & Motorized – Including High Speed Designs



Repair & Troubleshooting Services

- Balancing & Vibration Problems
- Draw Bars Tested & Reconditioned
- Analyze & Test for Spindle & Motor Problems
- Correct Taper, Pilots, Faces & Tool Connection Problems



Rebuild Services Bring Your Spindle Back to “Like New” Performance

- Restore Improper Fits & Sizes to OEM Specs
- Replace or Recondition Worn Parts to OEM Specs
- Reverse Engineering & Manufacture Parts to OEM Specs
- All Bearings & Seals Are Replaced
- Spindle is Precision Balanced & Run-in to Ensure “Like New” Performance & Backed With a Written Warranty



Complete Retrofit Services for “Better-than-New” Performance

- AirShield™ Spindle Seal Upgrades to Maximize Reliability
- Improved Motor Technologies to Increase Power & Torque
- Advanced Bearing Technologies to Increase Speed Capabilities
- Setco™ Exclusive Grease Technologies to Promote Lower Operating Temperatures & Increase Spindle Life
- Improvements to the Tool Retention System for Better Performance & Accuracy
- Spindle Monitoring Systems for Improved Control



Full In-house Engineering & Machining Capabilities for Predictive Results

SPINDLES



Setco™ is recognized as the leader in spindle technology & the premier spindle manufacturer of the most reliable precision spindles in North America.

Advanced engineered technology is what differentiates Setco™ from the competition. Our in-house engineering & manufacturing capabilities allow us to engineer & test the latest technologies to maximize performance for a competitive edge to increase machine productivity & spindle reliability.

Spindle Types

Standard & Custom Designs

Belt-driven



Setco™ offers standard lines of belt-driven spindles in block, cartridge & flange configurations up to 200mm size with speeds up to 19,500 rpm.

Features & Options:

- Standard & High-speed Models
- Drop-in Replacement Spindles
- Tool Interface Options
- Standard & Custom Drive Packages
- Manual & Power Drawbar Options
- And Much More!

Gear-driven



For heavy duty boring & milling applications, we offer standard lines of gear-driven spindles.

Features & Options:

- Optional Gear Ratios
- Block Design
- Parallel & Right Angle Gear Configurations
- High Torque & Low Speed Operation

Motorized



Setco™ offers lines of motorized spindles for CNC machine tool applications, such as grinding, machining centers & turning centers. These spindles come in a variety of standard sizes & configurations, including: block, cartridge, flange, & foot mount styles.

Features & Options:

- Standard & High Speed Models
- Grease & Air-oil Lubrication
- Tool Interface Options
- Manual & Power Drawbar Options
- And Much More!



Spindles for All Industries & Applications

- Belt-driven, Gear-driven & Motorized Designs
- Standard Speed & High Speed Models
- Custom Spindle Configurations Using Standard Designs
- Precision Spindles for Boring, Drilling, Grinding, Milling, Positioning, Turning, Winding, & Special Machine Applications

SLIDES



Setco™ slides are recognized worldwide for accuracy, durability & quality. From simple to complex, standard to custom, let Setco™ be your first choice in precision slides.

Setco™ meets the most demanding slide applications needs with linear & rotary solutions. We have 21 standard sizes & hundreds of standard configurations with 167 off-the-shelf models in Dovetail, Hardened Way & Linear Bearing designs.

Slide Types

Standard & Custom Designs

Dovetail

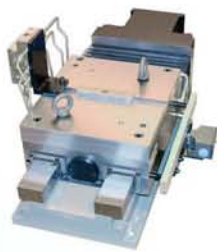


Setco™ manufactures 3 styles of precision dovetail slides: TS Series, M Series, & DS Series. Dovetail slides are a cost-effective slide solution for many light & medium-duty applications.

Features & Options:

- 100% Computer Designed
- Building Block Design Allows for Customization
- Standard Sizes of 2", 4", 6", 8", 10" & 12" Saddle Widths & Base Lengths To 96"
- Compact Low Maintenance Design
- Ruggedly Built, They Work Well In a Wide Variety of Applications

Hardened Way



Hardened way slides feature "box way" construction for heavy duty performance, rigidity & ruggedness with superior vibration dampening qualities.

Features & Options:

- 100% Computer Designed
- Building Block Design Allows for Customization
- 7", 9", 12", 15", 18", 24" & 32" Saddle Widths With Base Lengths From 10" Up To 120" & Saddle Lengths Up To 96"
- Optional Drive & Control Packages
- And Much More!

Linear Bearing



Setco™ linear bearing slides offer a low friction design, high rigidity & are commonly used for high speed applications.

Features:

- Widths Of 200, 300, 400, 500, 600 & 800mm (7.874 To 31.496")
- Standard Base Lengths Up To 119"
- Recirculating & Preloaded Bearing Packs
- Custom Base & Saddle Designs



Slides for All Industries & Applications

- Single & Multi-axis Designs
- Dovetail, Hardened Way & Linear Bearing Designs
- 167 Off-the-shelf Standard Models
- Base & Saddle Lengths Up To 119"
- Custom Spindle/Slide Designs

Custom Slide Solutions

Setco™ can design a slide to meet the most demanding application including single to multi-axis utilizing combinations of dovetail, hardened way, or linear bearing slides. We have the products, in-house engineering & manufacturing services to get the job done to your satisfaction. No other manufacturer has more spindle & slide designs, experience & in-house capabilities than Setco™.

INNOVATION

The Best Spindle Seal System in the Industry...

The most common spindle failure is due to contamination from coolant ingress, condensation, contamination, or chip damage. Contamination enters the spindle because the spindle seal failed, often resulting in bearing failure.

The Setco AirShield™ is proven to be the best & most reliable spindle seal in the industry with over 6 years without a single failure attributable to AirShield™ performance.

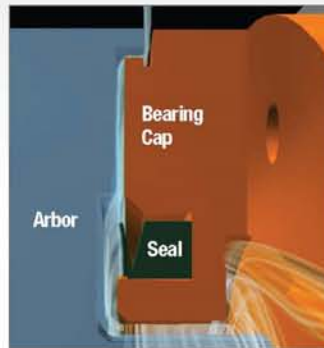
The patented AirShield™ design is the only spindle seal that offers both dynamic & static protection for 100% elimination of coolant ingress & spindle contamination. The AirShield™ system features a standard 3-year limited warranty & is proven to be the best seal in the industry.

Universal AirShield™

The AirShield™ system is available in a self-contained version for confined space new & retrofit applications. The Universal AirShield™ is the perfect seal for applications where spindles have recurring bearing contamination problems. It provides the same sealing qualities as the original AirShield™ but is manufactured to replace older labyrinth seal applications. The Universal AirShield™ is available in a wide variety of standard sizes- ranging from 25 to 250mm inside diameter (.98 to 9.8" I.D.)



setco AIRSHIELD™



The patented AirShield™ equalizes & disperses air within the seal for 100% elimination bearing contamination. The AirShield™ design is simple, maintenance-free & has no moving parts to wear out.

Unbeatable AirShield™ Performance

- 100% Static & Dynamic Spindle Protection
- 100% Elimination of Bearing Contamination
- Highest Spindle Seal Reliability in the Industry
- Sizes to Fit Most Popular Spindle Models: Domestic, Foreign & OEM
- Retrofittable to Many Existing Seal Designs
- Best Warranty in the Industry; 3-years Against Contamination, Standard

Setco™ Spindle Lubricants

- Exclusively formulated for Setco™ by Lubcon Turmo Lubrication Inc., one of the world's premiere lubricant manufacturers.
- Advanced chemical formulations enable spindles to run faster, longer, & cooler for a competitive edge no other spindle manufacturer can offer.
- Reduce operating temperatures which typically doubles spindle bearing grease life for every 15 degrees Celsius in running bearing temperature.
- Adds 50% more service life to grease for additional spindle durability.



Setco™ North American Sales & Service Centers

With an installed base of over 250,000 spindles & more than 300 years combined manufacturing experience, Setco™ knows spindles & has the experience & manufacturing capabilities to get the job done & do it right. Working with a professional spindle manufacturer can reduce your downtime & get your machine back on line faster & with less worry.

The next time your spindle needs service, don't just repair, ReSet your manufacturing performance & contact the nearest service center or call 1-800-543-0470.

Register on our website setcousa.com & save \$100 on your next rebuild!

Spindle Brands Setco™ Rebuilds

ABRASIVE	CLEVELAND	FAVETTO	HITACHI	KUMER	OERLIKON	SECO	TRAMINER
ACROLOC	CMS	FAYRETTO	HITACHI SEKI	KURAKI	OKAMOTO	SEIKO	TRALB
ADVANCE CONTROL	COBURN	FELLOWS	HOLZMA	LAMB	OKK	SEIKO SEKI	TREE
AETNA	COLMATIC	FEMCO	HUFFMAN	LANDIS	OKUMA	SETCO	TRUFILITE
AGATHON	COLONIAL	FEMINA	HURCO	LASALLE	OLIVER	SFJ	TSCHUDIN
ALPINE	COLUMBO	FISCHER	HYDRAMAT	LEBLOND MAKINO	OLOFFSON	SHAPER	TSUGAMI
ANAYAK	COMBING	FORTUNA	IBAG	LEADWELL	OMLAT-TORINO	SHEFFIELD	U.S.
ANCA	COMEC	FORTUNE VICTOR	KEGAI	LIANFENG	ONSPUD	SHIGYA	ULAM
ARTER	COVEL	FOSDICK	IMC	LIDKOPING	OOYA	SHINO	UNISON
ASC	CYTEC	FRANZ KESSLER	IMF	LIMA	ORION	SHIZOUKA	UVA
ASHAI	DAC	FRAUENTHAL	IMP	LINCO	OVERBECK	SHODA	VAN NORMAN
ASV	DAEWOO	GALLMEYER &	IMPCO	LOH-GMN	PAATZ	SIARTO-SICAR	VICTOR
ATLAS	DAINICHI	LMINGSTON	INCOR	MAAG	PANGBURN	SIGA	VOLLMER
AVON	DANKAERT	GAMFOR	INDEX	MAHO	PARKER	SIGMA	VOUMARD
AXIOM	DANOBAT	GARDNER	INGERSOLL	MANEX	MAJESTIC	SIMPLEX	VULCANIAIRE
BARBER COLEMAN	DEARBORN	GILDENEISTER	INVINCIBLE	MASCO	PBA	SINTEC	WADKIN
BARNES	DECKEL	GILMAN	IONIC	MASTER	PBS	SJOGREN SAGINAW	WAGNER
BAVER	DEMER	GIORDONA COLOMBO	J&L	MATRIX	PERSKE	SKF	WAIDA
BEHR	DEPENDABLE	GMV	JET	MATSUJURA	PITTLER/KESSLER	SMG	WALTER
BERTONI & COTTI	DEUSCHLE	GMS	JOHN FORD	MATTISON	POPE	SOPKO	WARD
BIESSE	DEVUEG	GOMIYA	JONES & LAMSON	MAXRAWYLER	PORTER	SPINTEC	WARDELL
BLAKE	DIBOLD	GORTON	JONES & SHIPMAN	MEDEN	PRATT-WHITNEY	SPRINGFIELD	WASINO
BLANCHARD	DOALL	GRISETTIGROB	JUNG	MIGHTY COMET	PRECISE	STAMA	WEDALCO
BLOHM	DRR	GROS-ITE	K.O. LEE	MTSU-SEKI	RO	STEP-TEC	WEISS
BONEHAM & TURNER	DUMORE	HAAS	KASPER	MITSUBISHI	RAMBAUDI	STICKER	WEISSER
BOWEN	DUNHAM	HAMAL	KELLENBERGER	MIYANO	RANSBURG	STOFFEL	WENDT
BOYER-SCHULTZ	EKSTROM	HARDINGE	KELLER	MONARCH	REID	STUDER	WHACEON-
BRIDGEPORT	CARLSON	HARIG	KENT	MOORE	REINECKER	SUNMIT	WHEELABRATOR
BROTHER	ELB	HARILL	KENWARD	MORI SEKI	RIGID	SUN TOOL	WHITE-SUNSTRAND
BROWN & SHARPE	ELDORADO	HAUSER	KESSLER	MYFORD	RIVETT	SUNSTRAND	WHITON
BRYANT	ELLIOT	HEALD	KIKINDA	MYL	ROCKWELL	SWISS-LATHE	WICKMAN-SHEFFIELD
BULLARD	ELMO	HEATHWAY	KINDT-COLLINS	NAKAMURA	ROKU ROKU	TAFT PIERCE	WILLEMIN
CAMPBELL	ENSHU	HEAN	KINGSBURY	NAKAMURA TOME	RONOS	TAKISAWA	WIT-O-MATIC
CANTON	EVERITE	HELLER	KITAGAWA	NEVELL	ROSS	TECHNICATEMPO	WOODS
CARLTON	EWAG	HEMBURG	KITAKO	NICHOLS	ROYAL OAK	THEMAC	WOODS
CARVER	EXCELLO	HEMPLE	KITAMURA	NIGATA	RUIDEL	THOMPSON	YACHYO
CHEVALIER	EXCELLON	HERBERT LINDER	KIWA	NIPPEC	SAIMP	THOR	YAM
CHINO	FADAL	HERBOLD	KLINGELNBERG	NORMAC	SAMSUNG	TOS-HOSTMAR	YAMAGUCHI
CHIRON	FAEMAT	HERMLE	KOLB	NORTON	SAVWAY	TOSHIBA	YAMAZAKI
CHURCHILL	FAG	HERTLEIN	KOMO	NSK	SCHLUSSLER	TOYO KOGYO	YANG
CINCINNATI	FALCON	HILLYER	KONDIA	OBERG	SCM	TOYODA	YASKAWA
CINEX	FALVA	HIMMEL	KRUGER				
CLEERMAN	FANUC						



Western Service Center

5572 Buckingham Drive
Huntington Beach, CA 92649
714-372-3730
1-866-362-0699 Toll-Free
714-372-3750 Fax



Great Lakes Service Center

41180 Vincent Court
Novi, MI 48375
248-888-8989
1-877-773-5349 Toll-Free
248-888-0765 Fax



MidWest Service Center

5880 Hillside Avenue
Cincinnati, OH 45233
513-467-7262
1-800-543-0470 Toll-Free
513-467-7249 Fax



SouthEast Service Center*

3650 Burnette Park Drive
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770-932-1668 Fax

* A Setco™-Timken joint venture.