

# ServoFit™ Gearheads

*The Precision Decision*



**5 YEAR LIMITED WARRANTY**

**STANDARD  
3-DAY  
DELIVERY**



# STÖBER

**WE KEEP THINGS MOVING**

The STOBBER offering of ServoFit® gearheads will enable you to fit all your servo needs. The ServoFit® Precision Planetary Gearheads (SPG) are for compact, highly dynamic applications. The ServoFit® Modular System (SMS) was designed for those applications where the compact size of a planetary gearhead is not needed. With these two lines, STOBBER Drives offers the world's largest variety of servo gearheads.

# The STOBBER difference = VALUE for you!

## 3 Rings

- Customer Service/Technical staff answers phone in 3 rings or less.



## 3 Days

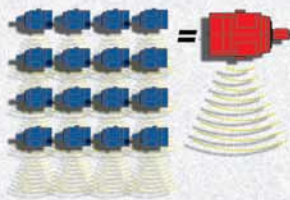
- Standard – **3 day** delivery (Does not apply to PA and PHA.)  
Custom motor plates – 10 days maximum.
- Emergency – **same day**, no expedite fee

## 5 Years (Warranty)

- Full 5 year warranty – all reducer components: gears, covers, material and workmanship, etc. Normal wear items (oil seals, bearings, etc.) are covered for 2 years.

## Helical Gears

- Highest torque capacity
- Maximum efficiency
- Maintain low noise level



1 conventional planetary gearhead produces the same noise level as 16 STOBBER precision planetary gearheads with HeliCamber® gearing technology.

## Exceptional Performance

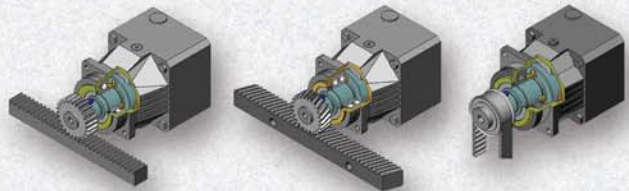
- Low Noise
- Cool Running
- High Speed Capacity Helical Gears
- High Torque Capacity Helical Gears
- Low Backlash
- High Quality Lubricant

## Fits Any Servo Motor

- Mounting system will fit a wide selection of servo motors.

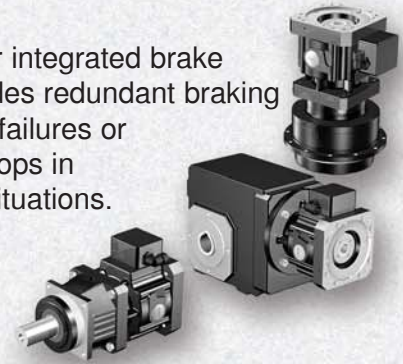


## Application Options



- Output Shaft Load
  - “R” Deep Groove Ball Bearing
  - “D” Double Row Angular Contact Ball Bearing
  - “Z” Cylindrical Roller Bearing

- ServoStop
  - Motor adapter integrated brake module provides redundant braking during power failures or emergency stops in hazardous situations.



- Beverage and Food Duty
  - Stainless steel output shafts
  - Stainless steel hollow output
  - Stainless steel single or double bushings
  - Stainless steel hardware and paint



- Coatings (Standard black)
  - White washdown (BISC approved)
  - Stainless steel (FDA/USDA approved)

## Application Support

- ServoSoft Application Sizing Software
- CAD Drawings from the Web
- 24 Hour Service Hotline

# ServoFit® . . . the precision decision.

## P Series

- Backlash –  $\leq 3$  arc/mins
- Ratios – 3:1 to 100:1
- Input RPM – up to 8,000
- Noise Level – as low as 61 dB(A)\*\*
- Output Torque up to 17,700 in.lbs.
- Available:
  - Washdown Food Duty



## PA Series

- Backlash –  $\leq 1$  arc/mins
- Ratios – 3:1 to 100:1
- Input RPM – up to 8,000
- Noise Level – as low as 61 dB(A)\*\*
- Output Torque up to 8,850 in.lbs.
- Available:
  - Washdown Food Duty

## PKX Series

- Backlash –  $\leq 4$  arc/mins
- Ratios – 3:1 to 300:1
- Input RPM – up to 6,000
- Noise Level – as low as 70 dB(A)\*\*
- Output Torque up to 17,700 in.lbs.
- Available:
  - Washdown Food Duty



## PK Series

- Backlash –  $\leq 3.5$  arc/mins
- Ratios – 12:1 to 561:1
- Input RPM – up to 6,000
- Noise Level – as low as 63 dB(A)\*\*
- Output Torque up to 17,700 in.lbs.
- Available:
  - Washdown Food Duty



## PH Series

- Backlash –  $\leq 3$  arc/mins
- Ratios – 4:1 to 121.0:1
- Input RPM – up to 8,000
- Noise Level – as low as 61 dB(A)\*\*
- Output Torque up to 44,290 in.lbs.



## PHA Series

- Backlash –  $\leq 1$  arc/mins
- Ratios – 4:1 to 121.0:1
- Input RPM – up to 8,000
- Noise Level – as low as 61 dB(A)\*\*
- Output Torque up to 44,290 in.lbs.

## PHQ Series (Quattro)

- Backlash –  $\leq 3$  arc/mins
- Ratios – 18:1 to 600:1
- Input RPM – up to 7,000
- Noise Level – as low as 62 dB(A)\*\*
- Output Torque up to 57,570 in.lbs.



## PHQA Series (Quattro)

- Backlash –  $\leq 1$  arc/mins
- Ratios – 18:1 to 600:1
- Input RPM – up to 7,000
- Noise Level – as low as 62 dB(A)\*\*
- Output Torque up to 57,570 in.lbs.

## PHKX Series

- Backlash –  $\leq 3.5$  arc/mins
- Ratios – 4:1 to 300:1
- Input RPM – up to 6,000
- Noise Level – as low as 70 dB(A)\*\*
- Output Torque up to 66,430 in.lbs.



## PHK Series

- Backlash –  $\leq 3.5$  arc/mins
- Ratios – 16:1 to 561:1
- Input RPM – up to 6,000
- Noise Level – as low as 63 dB(A)\*\*
- Output Torque up to 11,000 in.lbs.



## KS Series

- Backlash –  $\leq 4$  arc/mins
- Ratios – 6:1 to 200:1
- Input RPM – up to 6,000
- Noise Level – as low as 62 dB(A)\*\*
- Output Torque up to 2,210 in.lbs.



## PE Series

- Backlash –  $\leq 15$  arc/mins
- Ratios – 5:1 to 100:1
- Input RPM – up to 8,000
- Noise Level – as low as 60 dB(A)\*\*
- Output Torque up to 1,060 in.lbs.



## C Series

- Backlash –  $\leq 20$  arc/mins
- Ratios – 2:1 to 276:1\*
- Input RPM – up to 4,500
- Noise Level – as low as 53 dB(A)\*\*
- Output Torque up to 62,000 in.lbs.
- Available:
  - Inch or Metric Output
  - Beverage and Food Duty



## F Series

- Backlash:
  - Standard  $\leq 11$  arc/mins
  - Reduced  $\leq 7$  arc/mins
- Ratios – 4:1 to 540:1\*
- Input RPM – up to 4,500
- Noise Level – as low as 53 dB(A)\*\*
- Output Torque up to 9,700 in.lbs.
- Available:
  - Inch or Metric Output
  - Solid, Hollow, Single and Double Bushing
  - Beverage and Food Duty



## K Series

- Backlash:
  - Standard  $\leq 12$  arc/mins
  - Reduced  $\leq 6$  arc/mins
- Ratios – 4:1 to 381:1\*
- Input RPM – up to 4,500
- Noise Level – as low as 53 dB(A)\*\*
- Output Torque up to 106,000 in.lbs.
- Available:
  - Inch or Metric Output
  - Solid, Hollow, Single and Double Bushing
  - Beverage and Food Duty



\* Ratios standard in one housing. Higher ratios available in compound units.  
\*\* dB(A) rating measured at 1 meter distance with 3000 RPM input.



**STOBER Drives Inc.**  
Maysville KY

**Beverage and Food  
Duty MGS® Reducers**

**ComTrac® Mechanical  
Variable Speed Drives**

**MGS® Speed Reducers**



**STÖBER Antriebstechnik GmbH + Co. KG**  
Pforzheim Germany

**ServoFit® Geared Motor**

**ServoCool® Gearheads  
For High Speed  
Applications**

**STOBER® Drives, Inc.**  
1781 Downing Drive, Maysville KY 41056  
Phone: 606 759-5090, FAX: 606 759-5045, Toll Free: 800 711-3588  
Web: [www.stober.com](http://www.stober.com), E-mail: [sales@stober.com](mailto:sales@stober.com)

MGS®, STOBER®, ComTrac®, HeliCamber®, and ServoFit® are registered trademarks of STOBER Drives, Inc.  
Form No. 3021, Copyright August 2009, Printed in U.S.A.

