

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

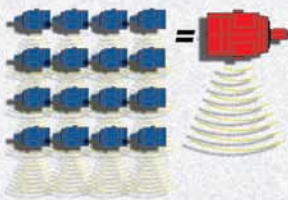
- Standard – **3 day** delivery (Does not apply to PA and PHA.)
Custom motor plates – 10 days maximum.
- Emergency – **same day**, no expedite fee

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

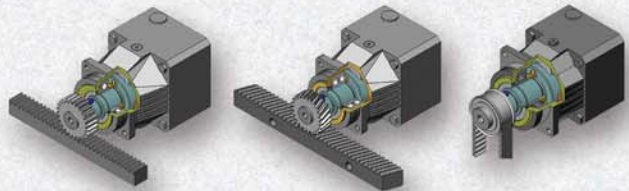
- Low Noise
- Cool Running
- High Speed Capacity Helical Gears
- High Torque Capacity Helical Gears
- Low Backlash
- High Quality Lubricant

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

P Series

- Backlash – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 – ≤ 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 ≤ 11 arc/mins
 - Reduced ≤ 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 ≤ 12 arc/mins
 - Reduced ≤ 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.



STOBBER 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**

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