



HIGH PRECISION GEAR REDUCERS
SERVO COUPLINGS, SAFETY COUPLINGS
AND LINEAR SLIDE KITS

GAM

GAM CAN.

JUST ASK!





▶ COUPLINGS

Torsion-Resistant Servo Couplings and Safety Couplings in a Wide Range of Types and Sizes

Bellows Couplings

- Torque values from 0.44 Nm to 44,000 Nm allow use of servo motors
- High torsional rigidity, low inertia, zero backlash and misalignment compensation
- Can be used at temperatures up to 570°F without any limitations and maintenance free
- Patented Press-Fit method of joining the bellows to the hubs can withstand harsh environments where glued connections cannot
- High speeds: rotational speeds up to 25,000 RPM without additional balancing



KM Series

- Provides the best balance between coupling stiffness and shaft misalignment compensation
- Aluminum hubs provide low inertia for servo systems
- Radial clamping hub with EASY Clamp system for easy install/uninstall
- Bore range: 3 mm - 85 mm
- Torque range: 0.4 Nm - 1300 Nm



KHS Series

- High speeds up to 25,000 rpm
- Very low inertia
- High stiffness
- Bore range: 6 mm - 60 mm
- Torque range: 15 Nm - 600 Nm



KP Series

- Similar to the KM coupling
- Shorter in length to provide an even higher torsional stiffness, but lower misalignment capability
- Aluminum hubs provide low inertia for servo systems
- Radial clamping hub with EASY Clamp system for easy install/uninstall
- Bore range: 3 mm - 75 mm
- Torque range: 2 Nm - 550 Nm



KR Series

- Unique bellows design yields the highest performance in stiffness, for the most demanding servo applications.
- Radial clamping hub with EASY Clamp system for easy install/uninstall
- Bore range: 14 mm - 75 mm
- Torque range: 25 Nm - 540 Nm



KLC Series

- Low cost bellows coupling
- Steel hubs with radial clamping: higher inertia
- Short length for high torsional stiffness
- Bore range: 10 mm - 43 mm
- Torque range: 25 Nm - 125 Nm



KSS Series

- Similar to the KR coupling
- Self-centering conical bushings for high clamping forces
- Short length and high torque
- Bore range: 15 mm - 70 mm
- Torque range: 25 Nm - 1500 Nm



KG Series

- Similar to the KLC coupling
- Radial clamping hub with EASY Clamp system for easy install/uninstall
- Additional sizes
- Bore range: 6 mm - 90 mm
- Torque range: 5 Nm - 1300 Nm



KPP Series

- Plug-in design with high stiffness
- EASY Clamp system for easy install/uninstall
- Short length
- Bore range: 9 mm - 75 mm
- Torque range: 20 Nm - 550 Nm



KGS Series

- Similar to the KG coupling
- Split hubs allow the coupling to be installed onto shafts that cannot be moved
- Custom lengths
- High stiffness
- Bore range: 12 mm - 62 mm
- Torque range: 40 Nm - 700 Nm



KPS Series

- Expandable split shaft design
- EASY Clamp system for easy install/uninstall
- For hollow bore applications
- Bore range: 3 mm - 75 mm
- Torque range: 2 Nm - 550 Nm



KSD Series

- High clamping forces and high torque
- Maximum misalignment with short length
- Self-centering conical bushings
- Bore range: 15 mm - 97 mm
- Torque range: 20 Nm - 2500 Nm



WDS Series

- Drive shaft coupling with split hubs
- Lengths up to 20 feet
- High speeds and low inertia
- Bore range: 6 mm - 85 mm
- Torque range: 15 Nm - 1600 Nm



WDE Series

- Drive shaft coupling with split hubs
- Lengths up to 10 ft
- Medium to high speeds with low inertia
- Bore range: 14 mm - 70 mm
- Torque range: 40 Nm - 500 Nm

MOST POPULAR - Available Same Day

Elastomer Couplings

- The use of elastomer spiders with shore hardness ratings from 72 D to 98 A permit dampening of vibration caused by system resonance
- An affordable alternative if high stiffness is not critical
- The involute shaped teeth of the elastomer spider and jaws are preloaded and will not loosen over time. Ensures zero backlash and allows for easy plug-in assembly



EKC Series

- Low cost elastomer spider coupling for motion control applications
- Zero backlash over the life of the product
- Easy to mount radial clamping hubs
- Bore range: 5 mm - 45 mm
- Torque range: 5 Nm - 110 Nm



EKM Series

- Excellent dampening capabilities
- Easy to mount radial clamping hubs
- Same day delivery
- Bore range: 3 mm - 70 mm
- Torque range: 3 Nm - 1000 Nm



EKZ Series

- Drive shaft coupling with radial clamping hubs
- Excellent dampening capabilities
- Lengths up to 6 feet
- Bore range: 10 mm - 70 mm
- Torque range: 20 Nm - 700 Nm



ESM Series

- Excellent dampening capabilities
- High speeds
- Aluminum version available
- Bore range: 6 mm - 60 mm
- Torque range: 10 Nm - 1000 Nm



EKS Series

- Excellent dampening capabilities
- Expandable split shaft design
- For hollow bore applications
- Bore range: 8 mm - 70 mm
- Torque range: 8 Nm - 700 Nm

Protect Your Investment from Crashes and Jams with Safety Couplings

- Low inertia; compensation of misalignment
- Zero backlash; high torsional stiffness
- Patented Press-Fit method joins bellows to the hubs to withstand harsh environments
- Automatic re-engagement: occurs every 360°
- Integrated bearing support: eliminates the need for support inside the pulley and enables compact size
- Degressive cup spring characteristic: immediate torque drop-off



SKB-KP Series

- Single point 360° re-engagement
- Adjustable torque
- Maximum misalignment and high stiffness
- Bore range: 6 mm - 75 mm
- Torque range: 2 Nm - 800 Nm



SKB-KS Series

- Single point 360° re-engagement
- Adjustable torque
- Self-centering conical bushings
- Bore range: 6 mm - 58 mm
- Torque range: 2 Nm - 800 Nm



SKB-EK Series

- Single point 360° re-engagement
- Adjustable torque
- Excellent dampening capabilities
- Bore range: 7 mm - 70 mm
- Torque range: 2 Nm - 800 Nm



SKB-ES Series

- Single point 360° re-engagement
- Adjustable torque with self-centering conical hubs
- Excellent dampening capabilities
- Bore range: 7 mm - 60 mm
- Torque range: 2 Nm - 800 Nm



SKB Series

- Radial clamping hub connection to the shaft
- Single point 360 degree re-engagement
- Integrated ball bearing for the highest true running accuracy
- Adjustable torque
- Very high clamping forces and torque range
- Bore range: 6 mm - 100 mm
- Torque range: 2 Nm - 3000 Nm



SKY Series

- Similar to the SKB but with a taper lock bushing to connect to the mating shaft



SKG Series

- Single point 360° re-engagement
- Integrated bearing to support pulleys and sprockets
- Adjustable torque with self-centering hub
- Bore range: 12 mm - 62 mm
- Torque range: 2 Nm - 1500 Nm



SKX-L Series

- Single point 360° re-engagement
- Adjustable torque
- Bore range: 7 mm - 58 mm
- Torque range: 2 Nm - 800 Nm
- Our most economical in-direct drive safety coupling



If you need high precision gear reducers, couplings and/or linear slide kits at a reasonable cost and you value innovation and excellent service, take a close look at our product line. You will find a wide range of products all created to minimize your design and installation time, minimize space requirements, and maximize your machine's performance.

Choose from:

- A wide range of inline and right-angle gearboxes with varying degrees of precision
- A unique and convenient mounting solution for attaching motors or gearboxes to linear slides
- A complete line of bellows, elastomer and safety couplings

Can't find what you're looking for? Just ask.

Even with our broad product range, we realize that you may not find a product that meets your exact requirements. Tell us what you need – with our flexible manufacturing we should be able to accommodate your special requirements. GAM can. Just ask!

Linear Mount Products

The Linear Mount Series takes the hassle out of mounting your motor gearbox to a linear ball screw or belt module.



EPL-H

- Inline, hollow output for easy mounting to standard linear belts or ball screw modules
- EPL-H mounted to a module

EPL-H Gearboxes

- Our most popular in-line planetary with a unique hollow output and zero-backlash clamping ring
- Quick, simple, and low-cost solution used to mount onto any off-the-shelf linear belt or ball screw modules
- Precision gears
- Ratios up to 1000:1
- Frame sizes from 64 mm to 118 mm
- Same backlash and efficiencies as EPL Series



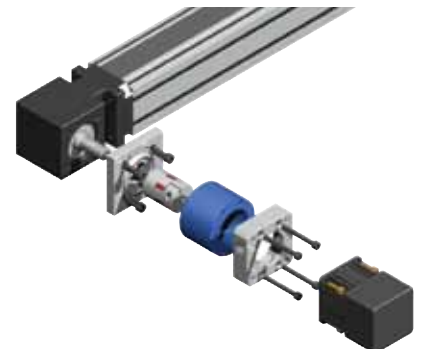
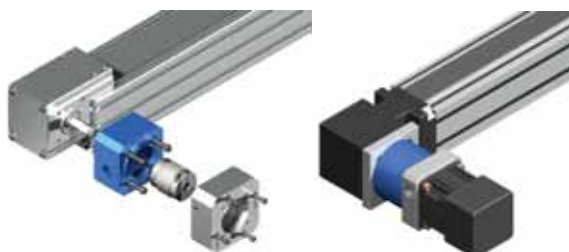
Linear Slide Kit (LSK)

- Customized assembly to mount any motor or gearbox to any linear slide
- Coupling included
- Quick delivery



LSK

- Standard LSK tailored to your exact mounting needs



- Unique 1 or 2 piece design for high volume requirements

▶ HIGHEST PRECISION GEAR REDUCERS

Gear Reducers for Every Application — Simple or Complex

Inline Gear Reducers

I.M.P.A.C.T.® (Integrated Modular Planetary and Coupling Technology) Series

- Precision gears provide low backlash and quiet operation
- Long design life of 20,000 hours
- Lubricated for life and comes ready to mount to your motor
- Output dimensions match those of many conventional planetary gearboxes on the market
- Ratios 3:1 to 100:1
- Frame sizes from 60 mm to 240 mm
- Backlash as low as 3 arc minutes
- Efficiencies at 95%



SPL-W

- Shaft output design for mounting pulleys and rack & pinion systems



SPL-K

- Integrated coupling output and lantern-housing
- Available with either a bellows coupling (KB) or elastomer spider coupling (KE)



SPL-F

- Integrated coupling output
- Available with either a bellows coupling (FB) or elastomer spider coupling (FE)

Right-Angle Gear Reducers

Dyna Series

- Utilizes sophisticated hypoid gearing that combines the space and configuration advantages of worm gearing with the high efficiencies of bevel gearing
- High allowable axial and radial loading
- Ratios up to 15:1 in a single stage; 150:1 in two stages
- Frame sizes from 55 mm to 190 mm
- Backlash as low as 1 arc minute
- Efficiencies up to 96%



DS-W

- Single output shaft configuration



DS-H

- Hollow bore output configuration



DS-T

- Dual output shaft configuration



DS-F

- Flange output for more connection options, resulting in greater stiffness

► HIGH PRECISION GEAR REDUCERS

Inline Gearboxes

EPL Series

- High quality, low-cost planetary gearbox
- Lightweight
- Fixed input with radial clamping ring for easy and quick mounting to motor
- Ratios 3:1 to 1000:1
- Frame sizes from 50 mm to 150 mm and NEMA 17 to 56
- Backlash as low as 8 arc minutes
- Efficiencies at 92%



EPL-W

- Metric output face



EPL-X (NEMA)

- NEMA output face

SSP Series

- Excellent corrosion resistance – all 300 series stainless steel housing, adapter and shaft
- Viton® output seal keeps contaminants out for an IP65 rating
- Standard food grade internal grease
- Frame sizes from 70 mm to 120 mm
- Ratios from 3:1 to 100:1



SSP

- All stainless steel version planetary gearbox

FP Series

- Compact design
- Output flange allows easy connection of machine elements such as pinion gears, pulleys and more
- High tilting and torsional rigidity
- Ratios 4:1 to 91:1
- Frame sizes from 69 mm to 150 mm
- Backlash as low as 5 arc minutes
- Efficiencies at 94%



FP

- “Shaftless” planetary gearbox provides space and performance advantages



FP-FB

- Integrated coupling on the output for a compact and very high torsionally stiff package

Right-Angle Gearboxes

Dyna-Lite Series

- The advantages of a right-angle gearbox with the price and accuracy of an inline
- Low-cost hypoid gearbox
- Low backlash
- Compact and efficient
- Quick and easy motor mounting
- Ratios up to 15:1 in a single stage; 150:1 in two stages
- Frame sizes from 55 mm to 90 mm
- Backlash as low as 6 arc minutes
- Efficiencies up to 96%



DL-DW

- Drop-in for Dyna Series



DL-PW

- Drop-in for many right-angle and inline planetary gear reducers



DL-DH

- Drop-in for the GAM Dyna Series
- Hollow bore output with shrink disk clamping element



DL-PH

- Drop-in for many right angle and in-line planetary gear reducers
- Hollow bore output
- Available upon request (Call GAM)

In-Line Gearboxes

PE Series

- In-line planetary gearbox
- Suitable for Stepper and Servo motor applications
- Unmatched quality for its price point creates excellent value
- Fixed input sun-gear allows quick and accurate mounting of a motor
- Ratios 3:1 to 1000:1
- Frame sizes 50 mm to 118 mm (Metric) and NEMA 17 to 42



PE-W

- Metric output face



PE-N

- NEMA output face, mounts to any motor

Right-Angle Gearboxes

Bevel Gearboxes (V-Series & VC Series)

- Durable spiral bevel gearbox suitable for motion control applications
- High allowable radial and axial loads on input and output shafts
- Available with or without integrated motor mount
- Ratios 1:1 to 6:1
- Frame sizes from 65 mm to 350 mm
- Backlash as low as 6 arc minutes
- Efficiencies up to 98%
- Drop-in versions available for many popular bevel gearboxes (Call GAM)



VC-W

- Single shaft, motor mount configuration (shown with motor mount)



V-K

- Hollow shaft configuration (motor mount available)



V-S

- Hollow shaft configuration with shrink disk clamping collar (motor mount available)



V-T

- Dual shaft configuration (motor mount available)



V-R

- Four-shaft configuration (motor mount available)



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Top reasons to buy from GAM

-  We are flexible! We will modify our products or tailor our services to meet your needs. GAM can. Just ask!
-  One-week delivery on standard products. 24-hour emergency service and same day delivery available.
-  Excellent technical assistance from our inside application engineers and trained network of outside sales engineers.
-  Immediate 2-D drawings or 3-D models configured online.
-  100% inspection and quality control on every product shipped.
-  Lean manufacturing procedures used to ensure our products are produced cost effectively.
-  Largest product range of precision gearboxes for motion control applications and couplings for all types of applications.
-  U.S. owned. Our roots date back to the early 1950's.
-  We have a great team at GAM. We will listen to you and we promise to do our best to respond to your needs.

