

## ball screws

Ball screws are among the most efficient devices available for converting rotary motion to linear motion. The high efficiency, which ranges from 80% to 98%, results in dramatic savings in system size and weight.

Beaver Aerospace & Defense is AS9100:2008 registered and ITAR compliant. With over 60 years of ball screw design and manufacturing experience we can provide the custom solution to your most challenging requirements.

Along with designing ball screws to your specification, we also offer an extensive inventory of FAA approved Boeing 737, 747 and 767 Trailing Edge Flap Screws and Horizontal Stabilizer Ball Screw Assemblies and component parts in stock. Inventory is also available for a variety of thrust reverser ball screws. Contact us for a complete list of available parts.

As a FAR Part 145 certified Repair Station, Beaver Aerospace & Defense, Inc. offers complete Repair & Overhaul service for aircraft ball screws. Each ball screw is given individual attention by one of our many highly-skilled FAA-FAR Part 65.103 certified technicians.



A sampling of some of the ball screws produced by Beaver for the commercial, defense, industrial and space industries:

- Wing Flap / Slat Ball Screw
- Horizontal Stabilizer Ball Screw
- Thrust Reverser Ball Screw
- Main Landing Gear Ball Screw
- Nose Landing Gear Ball Screw
- Pitch Trim Ball Screw
- Wing Sweep Ball Screw
- Radar Elevation Ball Screw
- Missile Fin Control Ball Screw
- Canopy Ball Screw
- Exhaust Nozzle Control Ball Screw
- Space Shuttle Manipulating Arm Ball Screw
- Environmental Control Ball Screw

See reverse for specifications.



# Part Number Cross Reference

Aircraft	Beaver P/N	Boeing P/N	Competition P/N	Boeing P/N
737-100	B10046B/C/D	10-61312-10	5701802 10-61312-2	10-61312-2
737-100	B10047B/C/D	10-61312-11	5701803 10-61312-3	10-61312-3
737-100	B10046B/C/D	10-61312-10	07312P000-01	10-61312-20
737-100	B10047B/C/D	10-61312-11	07313P000-01	10-61312-21
737-200	B20745C/D	10-61312-9	5702224 / 7825221	10-61312-4
737-200	B10046B/C/D	10-61312-10	5701802 10-61312-2	10-61312-2
737-200	B10047B/C/D	10-61312-11	5701803 10-61312-3	10-61312-3
737-200	B20745C/D	10-61312-9	07311P000-01	10-61312-22
737-200	B10046B/C/D	10-61312-10	07312P000-01	10-61312-20
737-200	B10047B/C/D	10-61312-11	07313P0000-01	10-61312-21
737-200	B10046B/C/D	10-61312-7 & 10	7824791 / 7825222	10-61312-12
737-200	B10047B/C/D	10-61312-8 & 11	7824792 / 7825223	10-61312-13
737-200C/F	B20745C/D	10-61312-9	5702224 / 7825221	10-61312-4
737-200C/F	B20745C/D	10-61312-9	07311P000-01	10-61312-22
737-300/400/500	B20745C/D	10-61312-9	07311P000-01	10-61312-22
737-300/400/500	B10046B/C/D	10-61312-10	07312P000-01	10-61312-20
737-300/400/500	B10047B/C/D	10-61312-11	07313P0000-01	10-61312-21
737-300/400/500	B20745C/D	10-61312-9	5702224 / 7825221	10-61312-4
737-300/400/500	B10046B/C/D	10-61312-10	5701802 10-61312-2	10-61312-2
737-300/400/500	B10047B/C/D	10-61312-11	5701803 10-61312-3	10-61312-3
747	B11299	60B80026-4	102J177-1	60B80026-1
747	B11299	60B80026-4	102J177-3	60B80026-3
747F	B14196C	2039799-3	----	----
747	B11302K	3229980-8	----	----
767	B18834	S251T433-1	----	----

As a complete assembly, the Beaver Part Numbers are interchangeable with the corresponding Boeing/Competitor Part Numbers. Boeing Part Numbers are assigned to each individual manufacturer's part numbers.

## Quality Certifications and Registrations

ISO 9001:2008 • SAE AS9100 • EASA Part #145.4246 • FAA Repair Station #M15R042N  
 for Ball Screws and Actuators • FAA Part 21.303 Approved PMA—Parts Manufacturing Authority  
 NADCAP Certified for Non-Destructive Testing • ITAR 22 C FR 120-120 Compliant  
 Export Administration Regulations (EAR) 15 CFR 730 – 774 Compliant • CAGE Code 088K1



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