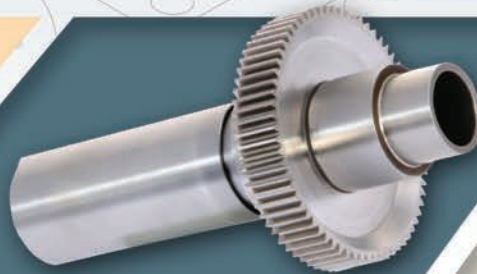
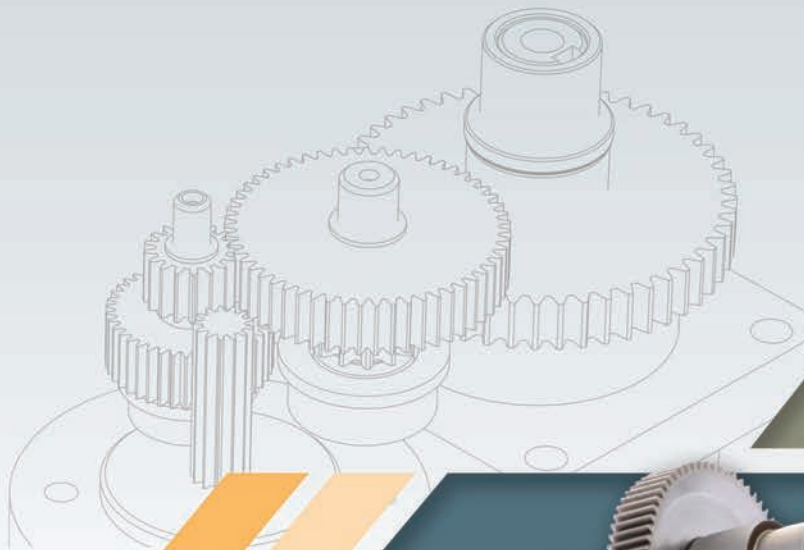


gears & splines

Beaver Aerospace & Defense is your one-stop source for all your precision gear, spline and gear assembly needs. We'll manufacture to your specs, or engineer complete gear solutions.

And we not only manufacture, we ensure that every gear is created with the utmost precision and care. Regular quality checks such as inspecting involute form and checking tooth spacing confirm that our products continually live up to our reputation of quality and precision.



Gear Applications:

- Spur
- Helical
- Planetary
- Ring
- Internal splines
- External splines
- Gear boxes

Ball Spline Applications:

- C-5
- C-17
- CH-47
- CH-53
- A-320
- Industrial



Partial Equipment List

- 36-6 Fellows w/14" riser
- 10-4 Fellows gear shaper
- 36-6 Fellows gear shaper
- Barber Coleman 6-10 multi-cycle
- Barber Coleman 6-20 with differential
- Barber Coleman 16-36
- Barber Coleman 6-5 Hob sharpener
- 10-4 Fellows CNC Shaper
- Fellows 8-A Shaper
- Fellows 12H lead inspection machine with 80mm rectilinear recorder
- Fellows 12M involute inspection machine with 80mm rectilinear recorder
- Fellows #8 Microdex tooth spacing inspection machine with 80mm recorder
- Full inspection lab

Gear & Spline Capabilities

SHAPING

- 70" maximum pitch diameter - external
- 70" maximum pitch diameter - internal
- 10" maximum diametral pitch spur
- 10" maximum diametral pitch helical
- 15" maximum face width
- 45° maximum helix angle (with 5" cutter)

GRINDING (Up to AGMA class 13)

- 27" maximum workpiece diameter
- 4 diametral pitch maximum
- 32 diametral pitch minimum
- 45° maximum helix angle (both sides)
- 6-3/4" grinding length
- Crowning

HOBGING

- 240" maximum work diameter
- 50" maximum work face width
- Spur and worm gears

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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