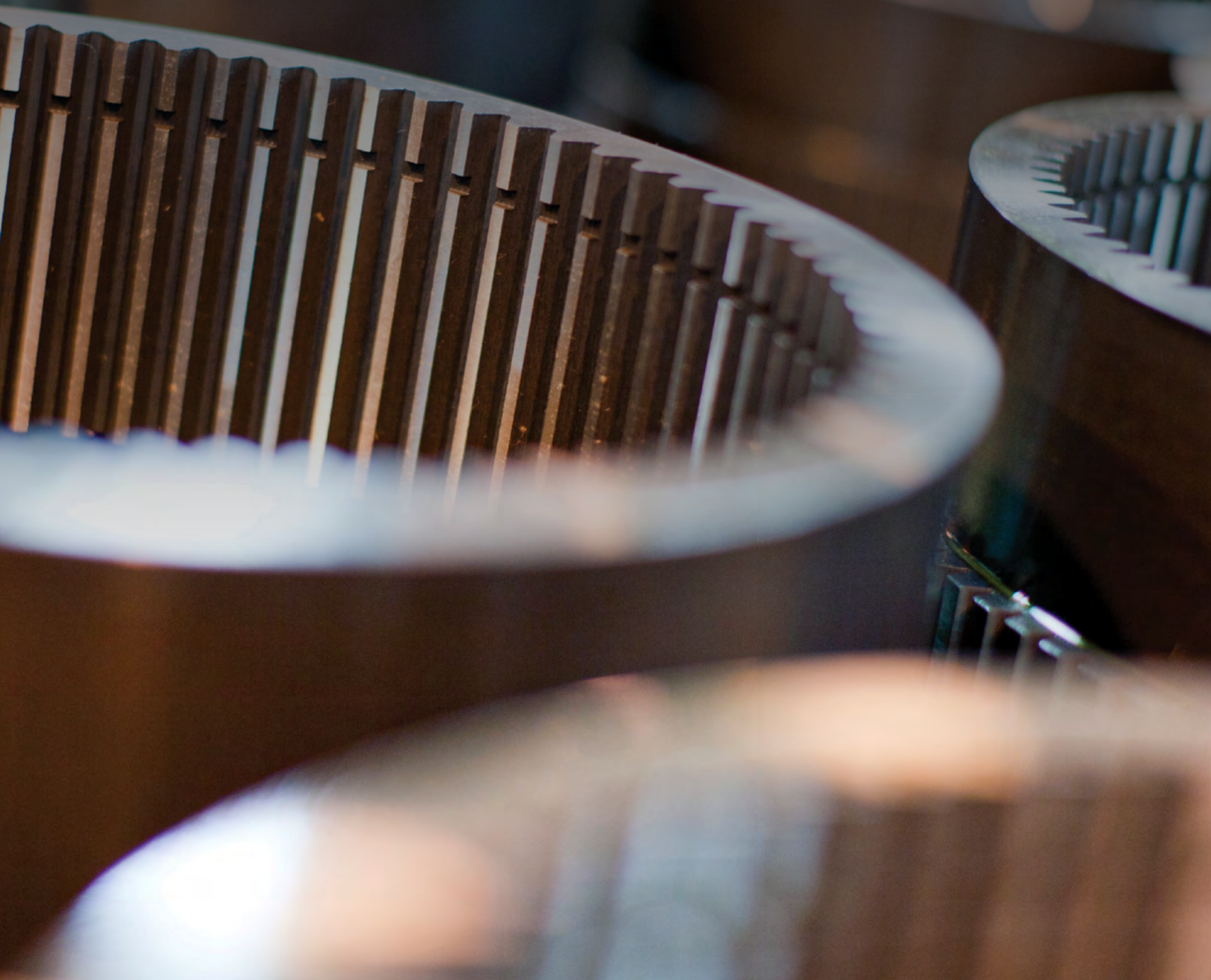




FAIRFIELD®

Custom Gears and Drives

Custom Gear Capabilities



Machining and Finishing

Capabilities

Type	Max. Diameter inch (mm)	Max. Length inch (mm)
Turning	92 (2,350)	115 (2,921)
O.D. Grinding	48 (1,220)	110 (2,794)
I.D. Grinding	48 (1,220)	–

Capabilities

Type	Max. Area inch (mm)	Features
Machining Center	97 x 78 x 196 (2,478 x 2,000 x 5,000)	3 to 5 Axis
Shot Peen	40 x 24 x 84 (1,016 x 610 x 2,130)	Internal and External Gears
Painting	28 x 28 x 72 (700 x 700 x 1,020)	Solvent Based

Capabilities

Type	Diametral Pitch (module)	Max. Diameter inch (mm)	Max. Face Width inch (mm)
Gear Shaving, Ext.	16 to 2.5 (1.5 to 10)	24 (610)	6 (150)
Gear Honing, Ext.	16 to 2.5 (1.5 to 10)	18 (457)	5 (125)
Spline Rolling	64 to 16 (.4 to 1.6)	3.625 (90)	5 (125)

Capabilities

Type	Max. Diameter inch (mm)	Max. Length inch (mm)	Weight Pounds (kg)
Dynamic Balancing	30 (762)	96 (2,440)	20 to 2,500 (10 to 1,100)

Gear Grinding

Capabilities

Gear Grinding Type	Diametral Pitch (module)	Diameter inch (mm)	Face Width inch (mm)	Length inch (mm)
External Spur and Helical	20 to 0.5 (1.3 to 50)	1 to 80 (25 to 2,000)	.25 to 58 (6 to 1,473)	–
Internal Spur	20 to 0.5 (1.3 to 50)	5 to 80 (130 to 2,000)	.5 to 18 (12 to 460)	–
Splined and Spur Shaft	20 to 1 (1.3 to 25)	1 to 20 (25 to 500)	1 to 19 (25 to 480)	1 to 84 (25 to 2,133)