

Designs in Ductile Iron

Cost

Saving

Design

Ideas



- CASTING APPLICATION** Forward-Reverse Gear
Power Transmission Part
- SPECIFICATION** ASTM A-536
(100-70-03)
- REDESIGN** From Steel Forging,
Steel Stamping, and
Shaft
- COST SAVINGS** \$402,000 Annual
Savings
- DESIGN ADVANTAGES** High Fatigue Strength;
Good Response to Heat
Treatment; Reduced
Number of Parts;
Reduced Operations
from 18 to 9
- SIZE & WEIGHT** 6" Diameter Gear
- COMPANY** Unknown
- FOUNDRY** Dotson Company
Mankato, MN



- CASTING APPLICATION** Syphon Elbow
Condensate Removal
From Paper Dryer
- SPECIFICATION** ASTM A-536 (60-40-18)
Investment Cast
- REDESIGN** From Bronze
- COST SAVINGS** Cost Reduced 10% Per
Part
- DESIGN ADVANTAGES** Increased Strength;
Reduced Machining
Time
- SIZE & WEIGHT** 5 oz. to 2 lbs. 11 oz.
- COMPANY** The Johnson Corp.
Three Rivers, MI
- FOUNDRY** Unknown

DUCTILE IRON GROUP