

Designs in Ductile Iron

Cost

Saving

Design

Ideas



CASTING Plastic Injection End Housing Screw Drive

APPLICATION Motor mount and mold screw mount on plastic injection molding press.

SPECIFICATION ASTM 65-45-12

Ductile Iron

REDESIGN Converted from steel weldment.

COST SAVINGS Reduction of suppliers, reduction of development time.

DESIGN Improved dimensional accuracy, machinability

ADVANTAGES reduced noise, improved steering response.

SIZE & WEIGHT 4 X 4 X 1 ft, 1,100 lbs

COMPANY Van Dorn Demag
FOUNDRY Kurdziel Iron, Rothbury, MI



CASTING Body Bracket

APPLICATION Engine Support & Torque Reaction Member

SPECIFICATION SAE J-434C (D4512)

REDESIGN From Steel Stamping

COST SAVINGS Lower Tooling & Per Piece Costs

DESIGN Stiffer Design; 21%

ADVANTAGES Weight Reduction; More Compact Design
Reduces Packaging and Body Interference Problems.

SIZE & WEIGHT 7" x 2 1/2"

COMPANY Ford Motor Co.

FOUNDRY Wagner Castings
Decatur, IL

DUCTILE IRON GROUP