

Residential Oil Burner/ Pump Coupling Line



 **Guardian Couplings®**
Altra Industrial Motion



Why Choose Guardian?

For more than 70 years, Guardian has been designing and manufacturing world-class couplings and other power transmission components. Utilizing advanced manufacturing technologies and processes, Guardian provides highly-reliable coupling and component solutions to meet the most challenging industrial application requirements.

Guardian provides a wide range of standard and custom products including flywheel couplings, hydraulic pump mounts, bearing supported stub shafts, flexible shaft-to-shaft couplings, motion control couplings as well as compression pipe couplings.

Durable Guardian products are utilized in key industries including mobile hydraulics, farm & ag, tree care, concrete, food & beverage, material handling, automation, power generation, and oil & gas on applications such as skid steers, aerial lifts, harvesters, wood chippers, concrete pumps, dewatering pumps, baggage handlers, conveyors, robotics, compressors, and generator sets.

OIL BURNER COUPLINGS

One of the original Guardian products, this product is excellent for older residential heating applications. The NF line fits Sundstrand, BorgWarner, and Webster fuel pumps. The coupling is a three piece design and can be provided as single coupling or as "repair packs" / "repair kits".

NF Nylon Flange Repair Coupling Pak Consists Of:

- 1 – Plastic tube with instruction label and cap
- 1 – 5" Rubber sleeve section
- 1 – Black: NF 1/2" motor shaft end fitting—fits all standard 1/2" oil burner motor shafts
- 1 – White: NF 7/16" SL (Special Length) nylon extended fuel pump end fittings—fits Sundstrand & Webster fuel pumps
- 1 – Grey: NF 5/16" fiberfill with additive fuel pump end fittings—fits Sundstrand, Webster and Borg-Warner small fuel pumps

NF "6 Pak" Consists Of:

- 6 – 6" Rubber sleeve sections
- 8 – Black NF 1/2" motor shaft end fittings—fits all standard 1/2" oil burner motor shafts
- 6 – White: NF 7/16" SL (Special Length) nylon extended fuel pump end fittings—fits Sundstrand & Webster fuel pumps
- 5 – Grey: NF 5/16" fiberfill fuel pump end fittings—fits Sundstrand, Webster and Borg-Warner small fuel pumps

Standard Residential Burner Coupling

Rubber sleeve 1" O.D.

Nylon end fittings with bore flats

Length: 2" to 7"

Bores: 5/16", 7/16", 7/16"-SL (Special Length), & 12"

NF-Tri-Pak Consists Of:

- 1 – Plastic tube with instruction label and cap
- 1 – 12" Rubber sleeve section
- 3 – Black NF 1/2" motor shaft end fittings
- 3 – White NF 7/16" SL (Special Length) nylon extended fuel pump end fittings—fits Sundstrand & Webster fuel pumps
- 2 – Grey NF 5/16" fiberfilled nylon fuel pump end fittings





Regular Metal Set Screws
(One-Piece Construction)



1-R Mini-Pump Couplings
(One-Piece Construction)

The Original "Regular" Heavy Duty Oil Burner Coupling

- One piece balanced design compensates for lateral and angular misalignment
- Dampens noise and vibration
- Design eliminates wear of bores, flats and keyways
- Metal ends and hardened cup point set screws
- Balanced rubber sleeves
- Engineered for both 1725 & 3450 motor speeds
- Available 1/6 H.P. to 3 H.P.
- Lengths: 2" to 10"
- Bores: 1/4", 5/16", 3/8", 7/16", 1/2" & 5/8"

1-R Mini-Pump Coupling—Regular Style with Metal Ends

- Designed to be fully interchangeable on Sundstrand, Webster & Borg-Warner 5/16" minipump oil burner applications
- Smaller 1" coupling O.D. allows maximum passage of air between motor and pump
- Furnished in correct overall coupling length for 1/2" motor shaft and 5/16" min-pump shaft
- Metal end fittings with set screws
- Balanced rubber sleeves



GD-Gear Grip Couplings
(Three-Piece Construction)



EJ Molded Rubber Jaw Couplings
(One-Piece Construction)

Heavy Duty Industrial & Commercial Burner Couplings

- Splined tooth metal ends with set screws
- Rubber sleeve with internal splines
- 3/4 H.P. through 3 H.P. 1750-3450 R.P.M.

G2D Diameter: 1-1/8" O.D.

Length: 2-1/2" to 6"

Bores: 5/16", 3/8", 7/16", 1/2" & 5/8"

G3D Diameter: 1-7/16" O.D.

Length: 3" to 8"

Bores: 7/16", 1/2", 5/8" with keyways

EJ Molded Rubber Jaw Couplings

- Molded rubber blower end
- Regular set screw pump end
- Bores: 5/16", 3/8", 7/16", 1/2"
- Lengths-Overall: 2-5/8", 3", 3-5/8" & 4-1/8"

Guardian Couplings Facilities

North America

USA

300 Indiana Highway 212
Michigan City, IN 46360
219-874-5248

*Engineered Flywheel Couplings, Engine
Housings and Pump Mounts, Flexible
Shaft Couplings*

Europe

United Kingdom

Merchant Drive, Hertford
Hertfordshire SG13 7BL - England
+44(0)1992 501900

*Engineered Flywheel Couplings, Engine
Housings and Pump Mounts, Flexible
Shaft Couplings*

The Brands of Altra Motion

Couplings

Ameridrives
www.ameridrives.com

Bibby Turboflex
www.bibbyturboflex.com

Guardian Couplings
www.guardiancouplings.com

Huco
www.huco.com

Lamiflex Couplings
www.lamiflexcouplings.com

Stromag
www.stromag.com

TB Wood's
www.tbwoods.com

Linear Systems

Thomson
www.thomsonlinear.com

Warner Linear
www.warnerlinear.com

Geared Cam Limit Switches

Stromag
www.stromag.com

Engineered Bearing Assemblies

Kilian
www.kilianbearings.com

Electric Clutches & Brakes

Matrix
www.matrix-international.com

Stromag
www.stromag.com

Warner Electric
www.warnerelectric.com

Deltran
www.thomsonlinear.com

Belted Drives

TB Wood's
www.tbwoods.com

Heavy Duty Clutches & Brakes

Twiflex
www.twiflex.com

Stromag
www.stromag.com

Svendborg Brakes
www.svendborg-brakes.com

Wichita Clutch
www.wichitaclutch.com

Gearing & Specialty Components

Bauer Gear Motor
www.bauergears.com

Boston Gear
www.bostongear.com

Delevan
www.delevan.com

Delroyd Worm Gear
www.delroyd.com

Nuttall Gear
www.nuttallgear.com

Engine Braking Systems

Jacobs Vehicle Systems
www.jacobsvehiclesystems.com

Precision Motors & Automation

Kollmorgen
www.kollmorgen.com

Miniature Motors

Portescap
www.portescap.com

Overrunning Clutches

Formsprag Clutch
www.formsprag.com

Marland Clutch
www.marland.com

Stieber
www.stieberclutch.com

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