

# Residential Oil Burner/ Pump Coupling Line



 **Guardian**<sup>®</sup>  
Couplings  
An Altra Industrial Motion Company

## 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" fiberfillednylon 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"

<p><b>Belted Drives and Sheaves</b></p> <p><b>TB Wood's</b> <i>Belted Drives</i> Chambersburg, PA - USA 1-888-829-6637 – Press #5 <i>For application assistance:</i> 1-888-829-6637 – Press #7</p> <p><b>Couplings</b></p> <p><b>Ameridrives Couplings</b> <i>Mill Spindles, Ameriflex, Ameridisc</i> Erie, PA - USA 1-814-480-5000 <i>Gear Couplings</i> San Marcos, TX - USA 1-800-458-0887</p> <p><b>Ameridrives Power Transmission</b> <i>Universal Joints, Drive Shafts, Mill Gear Couplings</i> Green Bay, WI - USA 1-920-593-2444</p> <p><b>Bibby Turboflex</b> <i>Disc, Gear, Grid Couplings, Overload Clutches</i> Dewsbury, England +44 (0) 1924 460801 Boksburg, South Africa +27(0) 11 918 4270</p> <p><b>Guardian Couplings</b> <i>Engineered Flywheel Couplings, Engine Housings and Pump Mounts, Flexible Shaft Couplings</i> Michigan City, IN - USA 1-219-874-5248</p> <p><b>Huco Dynatork</b> <i>Precision Couplings and Air Motors</i> Hertford, England +44 (0) 1992 501900 Chambersburg, PA - USA 1-888-829-6637</p>	<p><b>Couplings Cont.</b></p> <p><b>Lamiflex Couplings</b> <i>Flexible Couplings, Bearing Isolators, and Coupling Guards</i> Cotia, SP - Brasil +55 (11) 4615-6300</p> <p><b>TB Wood's</b> <i>Elastomeric Couplings</i> Chambersburg, PA - USA 1-888-829-6637 – Press #5 <i>For application assistance:</i> 1-888-829-6637 – Press #7 <i>General Purpose Disc Couplings</i> San Marcos, TX - USA 1-888-449-9439</p> <p><b>Electromagnetic Clutches and Brakes</b></p> <p><b>Inertia Dynamics</b> <i>Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes</i> New Hartford, CT - USA 1-800-800-6445</p> <p><b>Matrix International</b> <i>Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes</i> Brechin, Scotland +44 (0) 1356 602000 New Hartford, CT - USA 1-800-825-6544</p> <p><b>Warner Electric</b> <i>Electromagnetic Clutches and Brakes</i> New Hartford, CT - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-825-9050 Saint Barthélemy d'Anjou, France +33 (0)2 41 21 24 24 <i>Precision Electric Coils and Electromagnetic Clutches and Brakes</i> Columbia City, IN - USA 1-260-244-6183</p>	<p><b>Engineered Bearing Assemblies</b></p> <p><b>Kilian Manufacturing</b> <i>Engineered Bearing Assemblies</i> Syracuse, NY - USA 1-315-432-0700</p> <p><b>Gearing</b></p> <p><b>Bauer Gear Motor</b> <i>Geared Motors</i> Esslingen, Germany +49 (711) 3518-0 Somerset, NJ - USA 1-732-469-8770</p> <p><b>Boston Gear</b> <i>Enclosed and Open Gearing, Electrical and Mechanical P.T. Components</i> Charlotte, NC - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-816-5608</p> <p><b>Nuttall Gear and Delroyd Worm Gear</b> <i>Worm Gear and Helical Speed Reducers</i> Niagara Falls, NY - USA 1-716-298-4100</p> <p><b>Heavy Duty Clutches and Brakes</b></p> <p><b>Industrial Clutch</b> <i>Pneumatic and Oil Immersed Clutches and Brakes</i> Waukesha, WI - USA 1-262-547-3357</p> <p><b>Svendborg Brakes</b> <i>Industrial Brakes and Brake Systems</i> Vejstrup, Denmark +45 63 255 255</p> <p><b>Twiflex Limited</b> <i>Caliper Brakes and Thrusters</i> Wichita Falls, TX - USA 1-844-723-3483 Twickenham, England +44 (0) 20 8894 1161</p>	<p><b>Heavy Duty Clutches and Brakes Cont.</b></p> <p><b>Wichita Clutch</b> <i>Pneumatic Clutches and Brakes</i> Wichita Falls, TX - USA 1-800-964-3262 Bedford, England +44 (0) 1234 350311</p> <p><b>Linear Products</b></p> <p><b>Warner Linear</b> <i>Linear Actuators</i> Belvidere, IL - USA 1-800-825-6544 <i>For application assistance:</i> 1-800-825-9050 Saint Barthélemy d'Anjou, France +33 (0)2 41 21 24 24</p> <p><b>Overrunning Clutches</b></p> <p><b>Formsprag Clutch</b> <i>Overrunning Clutches and Holdbacks</i> Warren, MI - USA 1-800-348-0881 – Press #1 <i>For application assistance:</i> 1-800-348-0881 – Press #2</p> <p><b>Marland Clutch</b> <i>Roller Ramp and Sprag Type Overrunning Clutches and Backstops</i> South Beloit, IL - USA 1-800-216-3515</p> <p><b>Stieber Clutch</b> <i>Overrunning Clutches and Holdbacks</i> Heidelberg, Germany +49 (0) 6221-30470</p> <p><i>For information concerning our sales offices in Asia Pacific check our website www.altramotion.com.cn</i></p>
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While Guardian Industries makes every effort to ensure the accuracy of the information provided, we make no warranty as to the accuracy or completeness of said information.



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