

Residential Oil Burner/ Pump Coupling Line



 **Guardian[®]**
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" 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"

Belted Drives and Sheaves

TB Wood's

Belted Drives
Chambersburg, PA - USA
1-888-829-6637 – Press #5
For application assistance:
1-888-829-6637 – Press #7

Couplings

Ameridrives Couplings

Mill Spindles, Ameriflex, Ameridisc
Erie, PA - USA
1-814-480-5000
Gear Couplings
San Marcos, TX - USA
1-800-458-0887

Ameridrives Power Transmission

Universal Joints, Drive Shafts, Mill Gear Couplings
Green Bay, WI - USA
1-920-593-2444

Bibby Turboflex

Disc, Gear, Grid Couplings, Overload Clutches
Dewsbury, England
+44 (0) 1924 460801
Boksburg, South Africa
+27(0) 11 918 4270

Guardian Couplings

Engineered Flywheel Couplings, Engine Housings and Pump Mounts, Flexible Shaft Couplings
Michigan City, IN - USA
1-219-874-5248

Huco Dynatork

Precision Couplings and Air Motors
Hertford, England
+44 (0) 1992 501900
Chambersburg, PA - USA
1-888-829-6637

Couplings Cont.

Lamiflex Couplings

Flexible Couplings, Bearing Isolators, and Coupling Guards
Cotia, SP - Brasil
+55 (11) 4615-6300

TB Wood's

Elastomeric Couplings
Chambersburg, PA - USA
1-888-829-6637 – Press #5
For application assistance:
1-888-829-6637 – Press #7
General Purpose Disc Couplings
San Marcos, TX - USA
1-888-449-9439

Electromagnetic Clutches and Brakes

Inertia Dynamics

Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes
New Hartford, CT - USA
1-800-800-6445

Matrix International

Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes
Brechtin, Scotland
+44 (0) 1356 602000
New Hartford, CT - USA
1-800-825-6544

Warner Electric

Electromagnetic Clutches and Brakes
New Hartford, CT - USA
1-800-825-6544
For application assistance:
1-800-825-9050

Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24

Precision Electric Coils and Electromagnetic Clutches and Brakes

Columbia City, IN - USA
1-260-244-6183

Engineered Bearing Assemblies

Kilian Manufacturing

Engineered Bearing Assemblies
Syracuse, NY - USA
1-315-432-0700

Gearing

Bauer Gear Motor

Geared Motors
Esslingen, Germany
+49 (711) 3518-0
Somerset, NJ - USA
1-732-469-8770

Boston Gear

Enclosed and Open Gearing, Electrical and Mechanical P.T. Components
Charlotte, NC - USA
1-800-825-6544
For application assistance:
1-800-816-5608

Nuttall Gear and Delroyd Worm Gear

Worm Gear and Helical Speed Reducers
Niagara Falls, NY - USA
1-716-298-4100

Heavy Duty Clutches and Brakes

Industrial Clutch

Pneumatic and Oil Immersed Clutches and Brakes
Waukesha, WI - USA
1-262-547-3357

Svendborg Brakes

Industrial Brakes and Brake Systems
Vejstrup, Denmark
+45 63 255 255

Twiflex Limited

Caliper Brakes and Thrusters
Wichita Falls, TX - USA
1-844-723-3483
Twickenham, England
+44 (0) 20 8894 1161

Heavy Duty Clutches and Brakes Cont.

Wichita Clutch

Pneumatic Clutches and Brakes
Wichita Falls, TX - USA
1-800-964-3262
Bedford, England
+44 (0) 1234 350311

Linear Products

Warner Linear

Linear Actuators
Belvidere, IL - USA
1-800-825-6544
For application assistance:
1-800-825-9050
Saint Barthélemy d'Anjou, France
+33 (0)2 41 21 24 24

Overrunning Clutches

Formsprag Clutch

Overrunning Clutches and Holdbacks
Warren, MI - USA
1-800-348-0881 – Press #1
For application assistance:
1-800-348-0881 – Press #2

Marland Clutch

Roller Ramp and Sprag Type Overrunning Clutches and Backstops
South Beloit, IL - USA
1-800-216-3515

Stieber Clutch

Overrunning Clutches and Holdbacks
Heidelberg, Germany
+49 (0) 6221-30470

For information concerning our sales offices in Asia Pacific check our website www.altramotion.com.cn

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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