



Engine Housings For Mounting A Hydraulic Pump/Motor And Other Driven Components



 **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.

FEATURES AND ADVANTAGES

Guardian's engine housings are designed for use with gas and diesel engine applications, which allows a direct connection to a hydraulic pump. They can also be utilized in a wide variety of applications including, but not limited to: generators, compressors, small gear boxes, & bearing supports. The castings are manufactured from aluminum, gray iron and ductile iron. These engine housings can be utilized together with our FBA, FL, FH, NV, & Delta flywheel coupling designs.

Cost Effective

Guardian mounts provide a no-hassle assembly of the pump and the motor. It eliminates the use of shims, additional mounting fixtures or foot mounts. As a result our pump mounts save our customers in labor cost and provides a worry free mounting system.

Minimizes Vibration

For applications that require additional weight and/or additional dampening characteristics try our cast iron housings. (Not available on all designs, please inquire.)

Lightweight

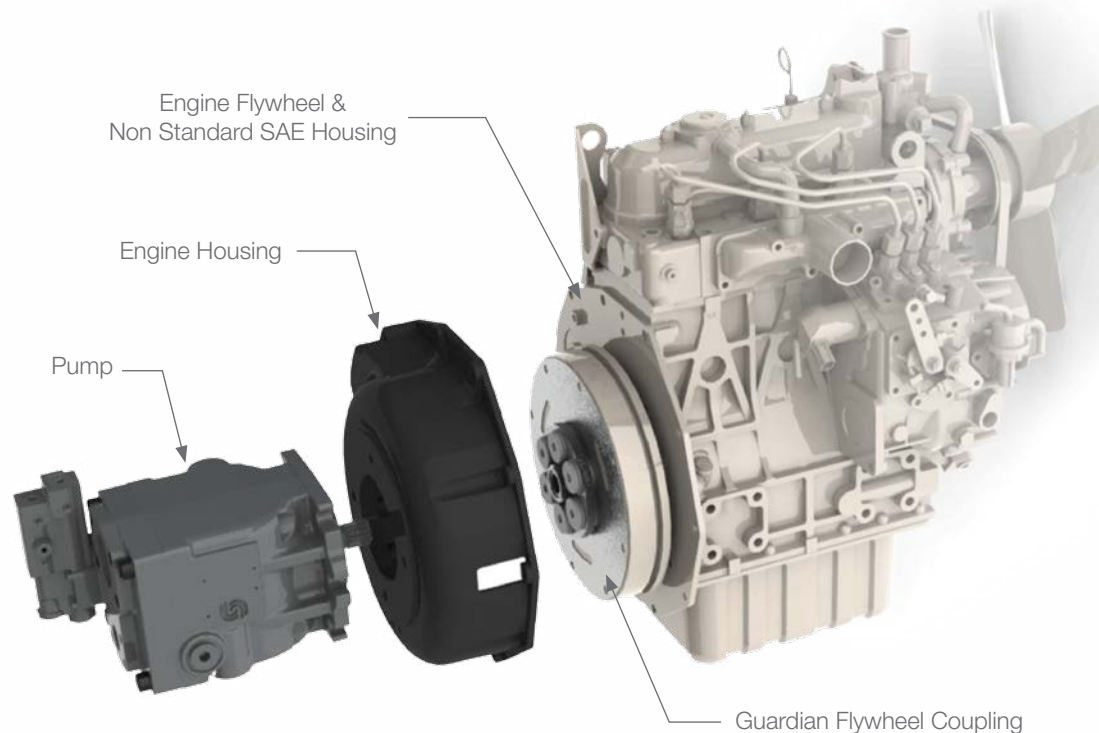
Guardian's high strength aluminum castings are great for applications which require a lightweight design without sacrificing strength.

No Hassle Alignment

All of our castings are precision machined to strict tolerances on our state of the art CNC equipment. After they leave our production area they are thoroughly inspected by our quality department using a coordinate measuring machine (CMM). This accomplishes accurate alignment between the engine and the pump, and reduces premature failure of the drive coupling.

Additional Features

- SAE and NON-SAE pump mounting
- Side rail mounts, top mounts, foot mounts, and special feature mounts are available in some designs
- Sensor mounting
- Painted housings standard on all cast iron designs, available upon request for aluminum housings



Housings Available

Engine	Type
Briggs Diahatsu	DM700/950
Cummins	B3.3
Cummins	A Series
Deutz	Semi SAE #4
Ford	VSG 413
Ford	DSG 425
Ford	LRG 425
GM	3.0L / 4.3L / 5.7
Hatz	Semi SAE #5
Isuzu	L-Series
John Deere	3011D, 3015D, 4020D, 4020T
Kubota	Super Mini Series
Kubota	Super 3 Series
Kubota	Super 5 Series
Kubota	V3300
Kubota	V3600
Lombardini	
Nissan	H15/20/25
Perkins	103-9/10, 403C-10/11
Perkins	103-12/13/15, 403C-13/15
Perkins	104-19/22, 404C-19/22
Yanmar	3 & 4 TNV (SA2), Semi SAE #5
Yanmar	3 & 4 TNV (SA3)
Yanmar	Mini Max Series
Wisconsin	TME 27

* For designs not listed on left, please contact Guardian Couplings to begin designing your engine housing requirement.



OTHER GUARDIAN PRODUCTS:

FL Flywheel Coupling

- Torsionally Stiff
- Reinforced Nylon Flange
- Steel Hub
- No Lubrication
- Accepts Splines & Straight Bores/ Keyways Shafts



FBA Flywheel Coupling

- Torsionally Soft for Vibration Dampening
- Rugged Steel Construction
- One-Piece Design
- No Clamping Required
- Lubrication Required
- Accepts Spline Shafts



Delta Flywheel Coupling

- Torsionally Soft for Vibration Dampening
- Reinforced Nylon Flange
- Accepts Splines & Straight Bores/Keyways Shafts
- No Clamping Required
- Lubrication Required



NV Flywheel Coupling

- Torsionally Soft for Vibration Dampening
- Rubber Fuse Link
- Accepts Spline Shafts
- No Lubrication Required
- No Clamping Required



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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