Original Flywheel Couplings

There are thousands of Hayes Original Flywheel Couplings in service throughout the world. They are used in gas and tough diesel engine applications where torsional vibration occurs. Our flexible neoprene elements absorb vibration and reduce shock loads, while providing a steady dampening effect.

Hayes couplings take up very little space while transmitting a surprising amount of torque. They’re available with a wide variety of spline and bores & keys that come ready to bolt to your flywheel. The splines do not lock onto the shaft in order to allow for any axial movement. This is similar to a drive shaft assembly in automotive applications.

All components have been designed for maximum life (when operated at normal engine speeds, torque, alignment, and appropriately serviced). Please call your local distributor or our factory for assistance.

Design Characteristics:

**Steel Yellow Zinc (Trivalent by 1-1-07) Flywheel Plate**
- Sturdy, steel plate for continuous load support
- Yellow Zinc (Trivalent by 1-1-07) plating to protect against corrosive wear

**Drive Hub**
- Precision machined for consistent quality
- Heat-treated splines to prevent premature shaft wear
- Two set screws for clamping bore and key applications
- Large driving surfaces for easy installation and longer drive life
- Splined and bore and key options for your specific applications
- Multiple hub lengths allow for easy installation in any standard SAE or non-standard application

**Features and Advantages:**
- Absorbs vibration and shock loads to optimize the life of your pump components
- Provides a steady dampening effect under load
- Rugged steel construction
- Eliminates human error with our easy, one-piece design (perfect for a production environment)!
- Operating temperatures: -40 to +220 F
- Various series for standard SAE flywheels and non-standard flywheels (including engine housings)
- Competitively priced and normally in stock
- Spline lubrication including the coupling assembly

**Applications:**
- Our one-piece coupling is used on off-highway construction equipment
- Aerial lifts, bucket loaders, skid-steer loaders, excavators, sweepers, wheeled loaders, and more.
- Consult factory for applications not listed

**CALL US TO DISCUSS YOUR SPECIFIC APPLICATION REQUIREMENTS**
Standard SAE Flywheel Coupling and Pump Mount Information

<table>
<thead>
<tr>
<th>HOUSING SIZE</th>
<th>&quot;A&quot; PILOT</th>
<th>&quot;B&quot; O.D.</th>
<th>&quot;C&quot; B.C.</th>
<th>PLATE THICKNESS</th>
<th>&quot;D&quot; MOUNTING PLATE HOLES</th>
<th># OF HOLES</th>
<th>SIZE</th>
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<tr>
<td>1</td>
<td>20.125</td>
<td>21.750</td>
<td>20.875</td>
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<td>31/64</td>
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<td>17.625</td>
<td>19.250</td>
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<tr>
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### Standard SAE Pump Information

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<th>PUMP MOUNT FLANGE &amp; SHAFT SIZE SAE J744C</th>
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<th>4-BOLT PUMP</th>
<th>SHAFT DIMENSIONS</th>
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<td>&quot;F&quot; B.C.</td>
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Easy fill in the blank coupling specification (Just fill in then email or fax)

Name:_________________________  Company:_________________________

Phone:_________________________  Email:_________________________

**FLYWHEEL DATA**
- PILOT DIA
- BOLT CIRCLE
- # OF HOLES

**FLYWHEEL HOUSING DATA**
- PILOT DIA
- BOLT CIRCLE
- O.D.
- # OF HOLES

**FLYWHEEL TO HOUSING**
- BACKSET

**SPLINE DATA**
- # OF TEETH
- D.P.
- P.A.

**STANDARD DATA**
- PILOT DIA
- SHAFT DIA
- SHAFT LENGTH
- FULL KEY/SPLINE LENGTH
- PILOT LENGTH

**PUMP SHAFT INFORMATION**
- MOUNTING FACE
- FULL LENGTH
- SPLINE/KEYWAY
- SHAFT LENGTH
- PILOT LENGTH
- PILOT DIA

**SAE HOUSING**
- PILOT DIA
- BOLT CIRCLE
- O.D.
- # OF HOLES

**SAE FLYWHEEL**
- PILOT DIA
- BOLT CIRCLE
- O.D.
- # OF HOLES

**BACKSET**
- FLYWHEEL TO HOUSING