



Plunger Pump Flexible Coupling

Models

34394
34418

SPECIFICATIONS

	34394	34418
Horsepower.....	2 HP	10 HP
Key Size.....	M5	M6
Shaft to Shaft Dimension	M16.5 to 5/8"	M20.0 to 1-1/8"
Diameter/Length	2.17" x 3.04"	2.56" x 3.53"
Weight.....	.58 lbs.	1.15 lbs.
Pump Model.....	230 231 237	340, 350 341, 351 347, 357

FEATURES

- Eliminates belt selection, sizing and adjustment.
- Compact direct mounting feature reduces space required for belts or gearbox drive assemblies.
- Insulates against heat transfer.
- No moving parts for long life and easy maintenance.
- Special urethane flexible spyder designed for extended life with high temp and high RPM conditions.

Plunger Pump Bell Housing

Models

34121, 34126
34131

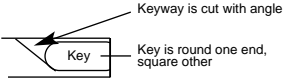
SPECIFICATIONS

	34121	34126	34131
Pump Frame Size	3 FR	3 FR	5 FR
Motor Frame Size.....	2 HP-56C 145FR	3 HP-182TC 184TC	5 HP-182TC 184TC
Weight.....	1.13 lbs.	1.88 lbs.	1.88 lbs.
Dimensions			
Motor Face.....	6.5" 165 mm	8.5" 216 mm	8.5" 216 mm
Pump Face.....	3.46" 88 mm	3.46" 88 mm	4.05" 103 mm
Length	3.85" 98 mm	4.52" 115 mm	4.52" 115 mm
Pump Model.....	230 231 237	240, 270 241, 271 247, 277	340, 350 341, 351 347, 357

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INSTALLATION

1. Separate the parts which are included in the bell housing assembly package. The Bell Housing assembly is offered in three separate kits to cover the various H.P. and pump frame sizes.
2. Remove bearing case screws from extended shaft side of pump and **discard**.
3. Slip the Bell Housing over the pump shaft with the **slots to the sides** (not top and bottom) and the **two closer spaced** flange motor mounting holes to the top.
4. Apply Loctite 242 to the threads of the new longer screws and torque to **50 in/lbs. (5.5 Nm)** in alternating rotation.
5. Apply a light film of antiseize lubricant to pump shaft.
6. Separate M20 or M16.5 half of the Flexible Coupling and slide onto the pump shaft. Seat completely against the inside of the flange.
7. Install key into pump shaft with curved end up and towards pump.


8. Slide 5/8 or 1-1/8" half of flexible coupling **containing spyder** onto motor shaft.
9. Install motor key (supplied with motor) into motor shaft keyway and apply antiseize lubricant to shaft.
10. Mount pump with coupling half onto motor shaft with coupling half, lining up the two keyways. Apply Loctite 242 to threaded area of the bolts, slip lockwashers onto bolts and thread through flange into motor. Torque to **110 in/lbs. (12 Nm)** in alternating rotation.
11. To secure Flexible Coupling with set screw, first insert two screw drivers into the Bell Housing slots from opposite sides and **press Flexible Coupling towards pump**.
12. Then Rotate engine shaft so set screws are lined-up with Bell Housing slots. **NOTE:** One set screw located at keyway and second at 90° from keyway.
13. Insert 1/8" allen wrench into each set screw and torque to **125-150 in/lbs. (15-19 Nm)**.

PARTS LIST

34394 Flexible Coupling Assembly - 2 HP /3PFR

- 1 34405 Half, Coupler (M16.5)
- 1 34404 Half, Coupler (5/8")
- 1 34406 Spyder
- 1 30047 *Key (M5x5x24)
- 2 6106 Lubricant, Antiseize
- 2 937731 Screw, Set HSH (1/4"-20x1/4")

34121 Bell Housing Assembly - 2 HP /3PFR

- 1 34120 Bell Housing
- 4 30416 Screw, HH (3/8"-16x3/4")
- 4 992781 Lockwasher (3/8")
- 4 992771 Screw, HH (M6x25) HD
- 4 12502 Lockwasher, Split (M6)
- 4 12488 Washer, Flat (M16)

34131 Bell Housing Assembly - 5 HP /5PFR

- 1 34130 Bell Housing
- 4 992870 Screw, HHC (1/2"-13x1")
- 4 992782 Lockwasher (1/2")
- 4 992871 Screw, HH (M6x20) HD
- 4 12502 Lockwasher, Split (M6)
- 4 12488 Washer, Flat (M16)

34418 Flexible Coupling Assembly - 10 HP /5PFR

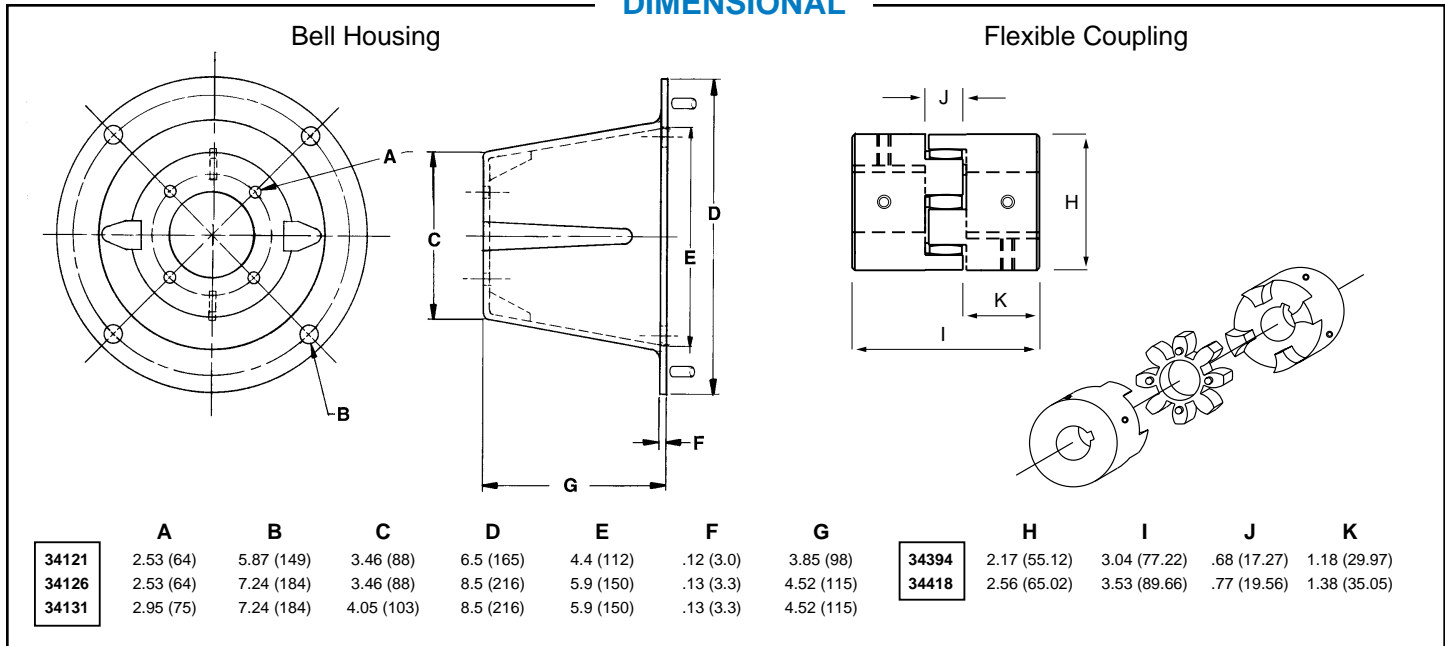
- 1 34409 Half, Coupler (M20)
- 1 34408 Half, Coupler (1-1/8")
- 1 34410 Spyder
- 1 30057 Key (M6x6x25)
- 2 6106 Lubricant, Antiseize
- 1 30088 *Key (1/4"x1/4"x1-3/8")
- 2 937731 Screw, Set HSH (1/4"-20x1/4")

34126 Bell Housing Assembly - 3 HP /3PFR

- 1 34125 Bell Housing
- 4 992870 Screw, HHC (1/2"-13x1")
- 4 992782 Lockwasher (1/2")
- 4 34179 Screw, HH (M6x25) HD
- 4 12502 Lockwasher, Split (M6)
- 4 12488 Washer, Flat (M16)

*Note: Discard key that comes with motor.

DIMENSIONAL



Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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