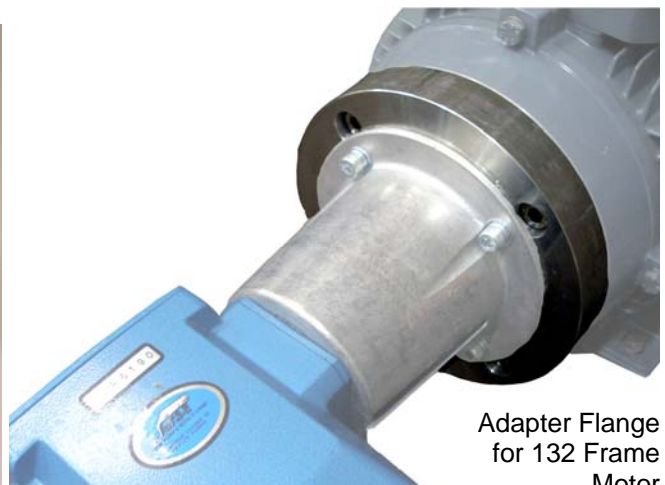
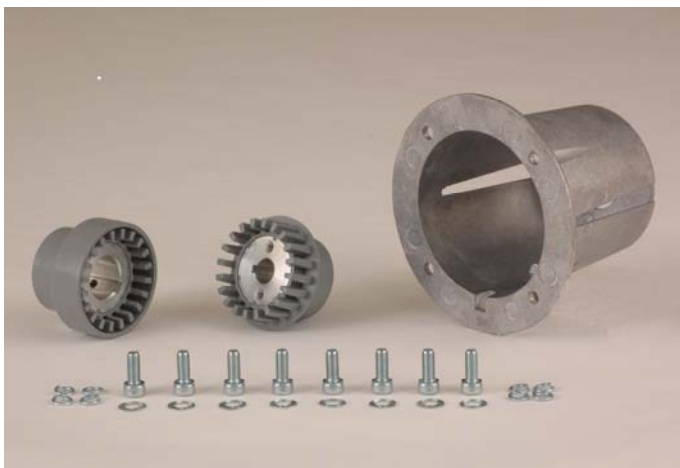
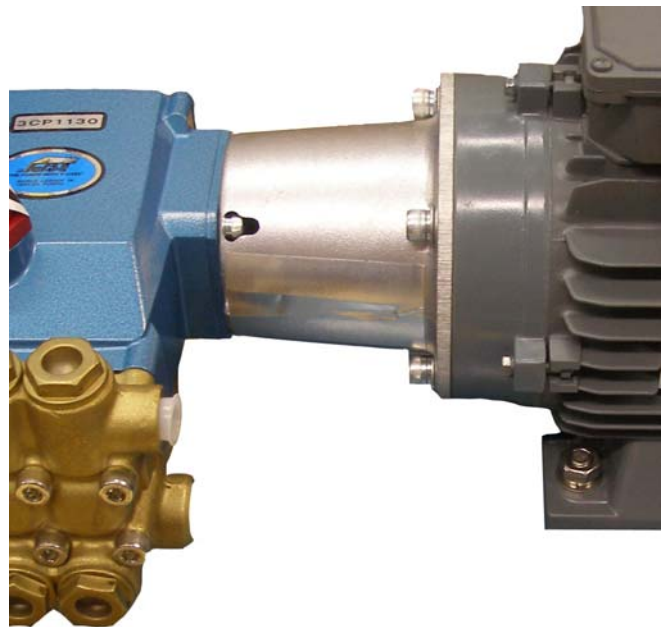


## ***Bell Housings and Couplings***

### **FEATURES AND BENEFITS**

- Pump mounts directly onto motor, eliminating the need for drive belts, guards and baseplate
- Fits to standard metric motors with B14 face
- Prevents contact with moving parts, improving personal safety
- Compact design reduces installation space
- Simple self-alignment minimises side-loading on pump and motor shaft, extending bearing life
- Special finger-type coupling designed for extended life; tolerates high temperature and high running speeds
- All fixing screws included



Adapter Flange  
for 132 Frame  
Motor

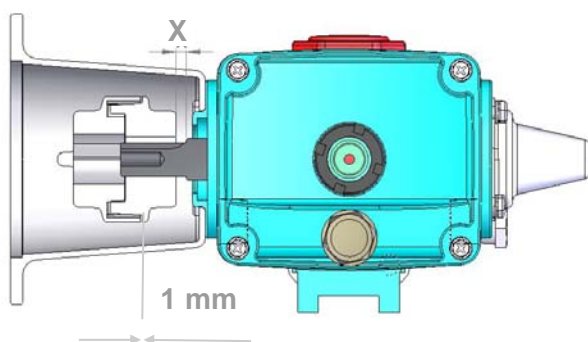
## SIZES AND ORDERING CODES

Pump model	Pump Shaft Ø	Motor Shaft Ø	IEC Motor Frame Size B34 mounting	Bell-Housing	Install Kit	Coupling	'X'
3 PFR	16.5	24	90	30743	700929	30720	12
3 CP	16.5	24	90	701890	702020	30720	10
3 PFR	16.5	28	100-112	30738	700929	30736	5
3 CP	16.5	28	100-112	701724	700929	30736	7
5 PFR	20	28	100-112	30715	700929	30721	4
5 CP	20	28	100-112	701730	701925	30721	2
5PFR	20	38	132	30715	704474*	703629	#
5CP	20	38	132	701730	703585*	703629	#

\*Includes Adapter Flange.

## INSTALLATION INSTRUCTIONS

- Remove the screws from the bearing case on the side of the pump to which Bell-Housing will be fitted.
- Slip the Bell-Housing over the pump shaft with the **slots to the sides** and the drain slot at the **bottom**.
- Apply medium-strength thread-locking adhesive (e.g. Loctite™ 242) to the threads of the new longer screws supplied. Fit lock-washers to screws, insert and tighten to a torque of 5.5 Nm.
- Apply a film of anti-seize lubricant to the pump shaft and insert key (supplied with pump) into the shaft keyway.
- Separate the shaft coupling halves and press one half onto the pump shaft leaving a space 'X' between coupling and shoulder on shaft, see drawing & table. Where (#) is shown, consult local Cat Pumps office.
- Tighten the set screw to a torque of 15 - 19 Nm
- Apply a film of anti-seize lubricant to motor shaft and insert key (supplied with motor) into the motor shaft keyway.
- Press second half of flexible coupling onto motor shaft but do not tighten set-screw yet.
- If using Adapter Flange, secure flange to motor face using bolts supplied.
- Mount pump and bell-housing assembly onto motor face. Slip lock-washers onto bolts, insert and tighten evenly to a torque of 12 Nm.
- To secure coupling to motor shaft, first insert two screwdrivers through bell-housing slots from opposite sides and push the two halves of the coupling towards each other but leaving a gap of 1 mm, see drawing.
- Rotate motor shaft so set screw is accessible through slot in bell-housing and tighten screw to a torque of 15 - 19 Nm. Check that shaft turns without binding.



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