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XFC Inline
Coupling Installation
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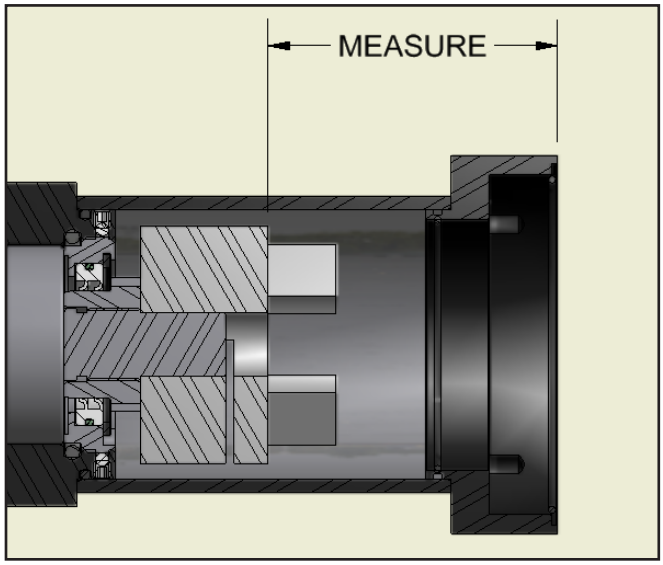
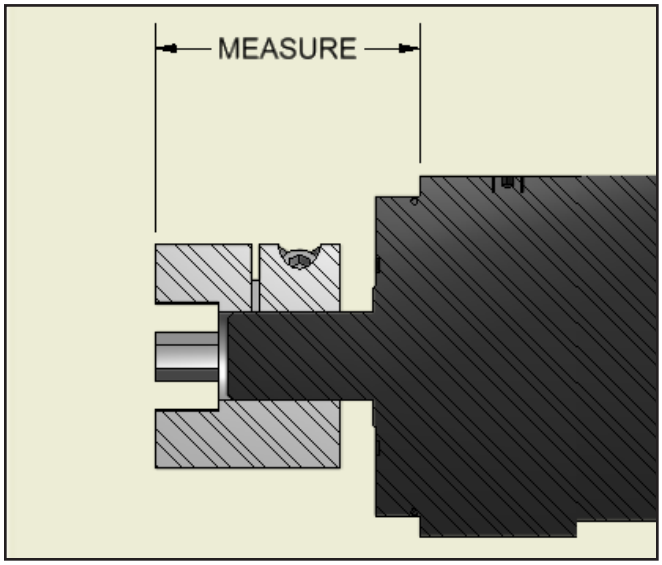
Coupling Installation on motor or gear box for XFC inline units

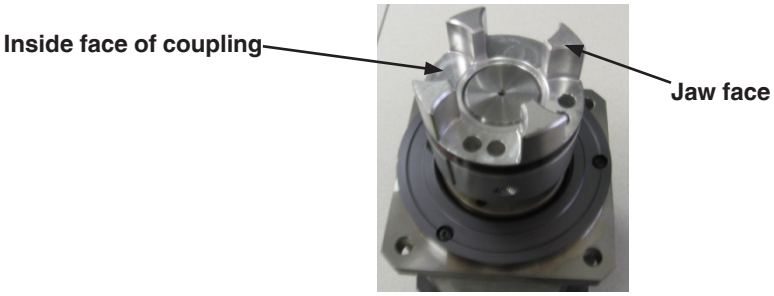
Clean the gear box or motor shaft and the inside of the coupling. Slide the coupling onto the motor or gear box shaft to any position.

⚠**WARNING:** DO NOT APPLY GREASE TO THE GEAR BOX SHAFT, MOTOR SHAFT OR INSIDE OF THE COUPLING!

Measure the distance from the outside mounting face of the inline end plate or adapter plate to the inside face of the coupling. Take that measurement, subtract about 2mm, and set the coupling on the motor shaft to that same dimension from the motor flange face to the jaw face. For a given combination, the table shown below should have a value close to the measured value.







Typical Measurement Values in mm	Gear Box Model					Motor Model			
	PS90	PS115	PS142	PS180	PS220	MPP115	MPP142	MPP190	MPP270
XFC075	66	68				63	78		
XFC090	64	66				61	76		
XFC115		73.5	96				72.5	101	
XFC140			96	115				101	
XFC165			95	114					134
XFC190				116	136				

Once the coupling is in place, torque the coupling mounting screw based on the chart below. Be sure to use the correct thread size value and NOT the Allen wrench size.

Coupling Torques	
Mounting Screw Thread Size	**Use**
M5	71 lb-in (6 lb-ft)
M6	133 lb-in (11 lb-ft)
M8	310 lb-in (26 lb-ft)
M10	620 lb-in (52 lb-ft)
M12	1062 lb-in (89 lb-ft)
M16	2567 lb-in (214 lb-ft)

Lightly grease the ears of the spider. Assemble the spider into the coupling.

Install the o-ring (lightly greased) or gasket on to the gear box (or motor) pilot.

Mount the gear box (or motor) to the actuator. Thread each bolt until the pilot properly seats into the mating counterbore and is fully seated. Fully tighten the bolts in a crossing pattern.

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