



**Muncie®
Power
Products**

Z SERIES BOLT TORQUE AND INSTALLATION PROCEDURES

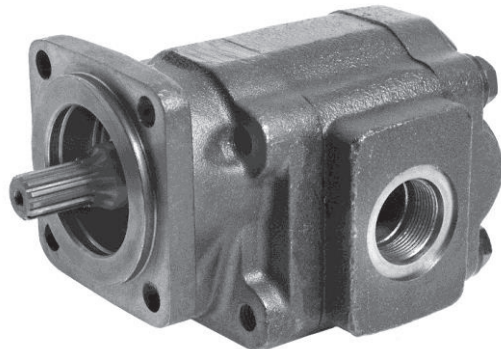
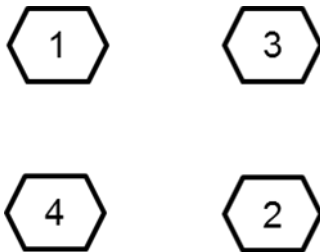
Series	Thread Size	Bolt Grade	Bolt Torque ft-lbs. (+/- 4ft-lbs)
Z10	9/16-12 UNC	8	180
Z16	5/8-11 UNC	8	200
Z22	5/8-11 UNC	8	200
Z28	5/8-11 UNC	8	200
Z32	1/2-13 UNC	8	110
Z34	5/8-11 UNC	8	200
Z38	5/8-11 UNC	8	200
ZP40	5/8-11 UNC	8	200
ZM40	3/4-10 UNC	8	450



Z28 Model

- Torque pump assembly bolts to values listed in table above
- Tighten bolts in the numerical sequence shown below

4 Bolt Tightening Pattern



Z22 Model

8 Bolt Tightening Pattern (Z28 only)

