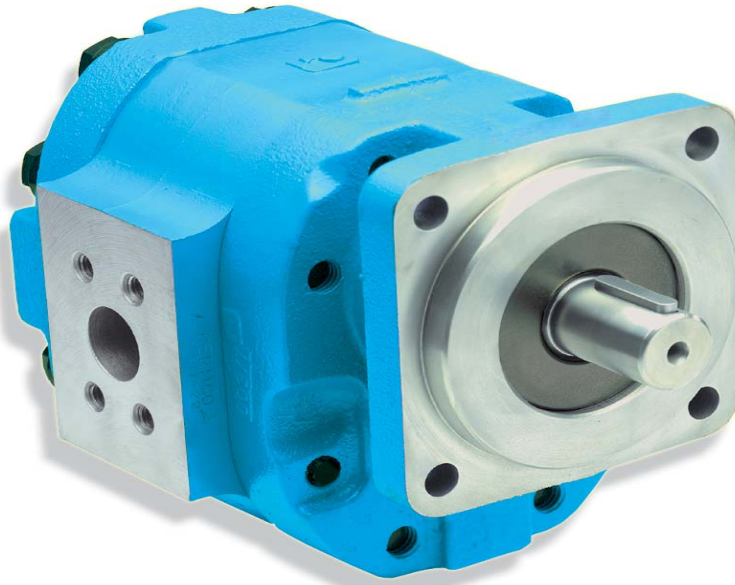


PERMCO

WINCH MOTORS

ROLLER BEARING SERIES WINCH MOTORS 3100/5100/7600



W7600 SERIES SINGLE UNIT

WINCH MOTOR FEATURES

- ❑ Heavy duty roller bearing design
- ❑ Special high tooth gear set to maximize starting torque
- ❑ Start-up torque values up to 452 N-m for single units and 904 N-m for tandem units
- ❑ Special designed ring seals and pressure balanced wear plates maintain high motor efficiency throughout all operating ranges
- ❑ Displacements from 32.8 through 198 ml/m
- ❑ Working pressure up to 18 MPa
- ❑ Speeds from 100 to 2400 RPM
- ❑ Available in both single and tandem units
- ❑ A wide range of porting, mounting and shaft options available
- ❑ Doweled and high strength cast iron construction
- ❑ 100% factory tested



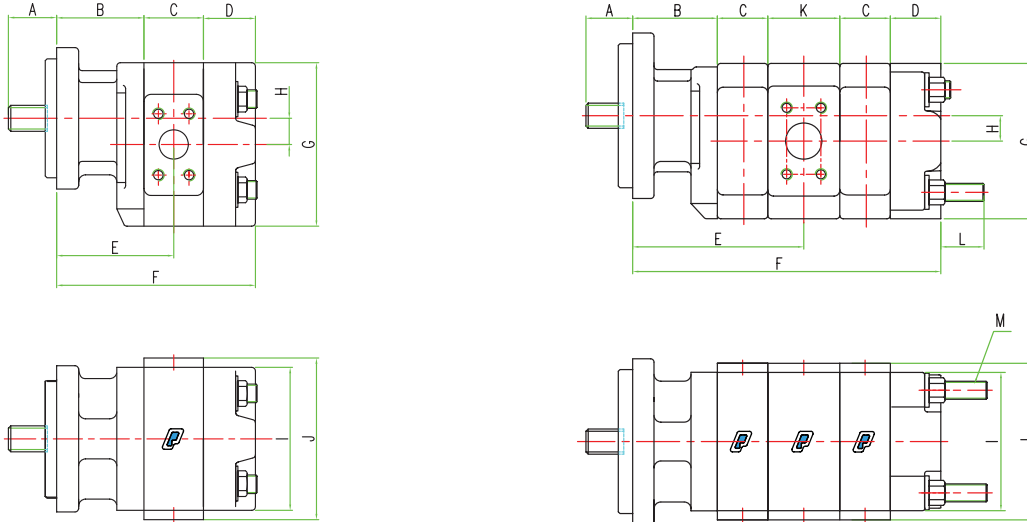
W5100 SERIES TANDEM UNIT



The Sensible Choice



Dimensional Data (mm)



Single Unit

Model	A	B	C	D	E	F	G	H	I	J
W3000/3100	See Drive Shaft	74.67	19.1 + GW	44.45	84.0 + 1/2 GW	138.2 + GW	140.00	22.40	122.17	See Gear Housing Codes in Engineers Handbook
W5000/5100	Codes in Engineers Handbook	85.85	19.1 + GW	44.45	95.3 + 1/2 GW	149.4 + GW	159.00	25.40	128.52	
W7500/7600	Handbook	95.25	25.4 + GW	50.80	108 + 1/2 GW	171.5 + GW	203.00	31.80	155.70	

GW = GEAR WIDTH

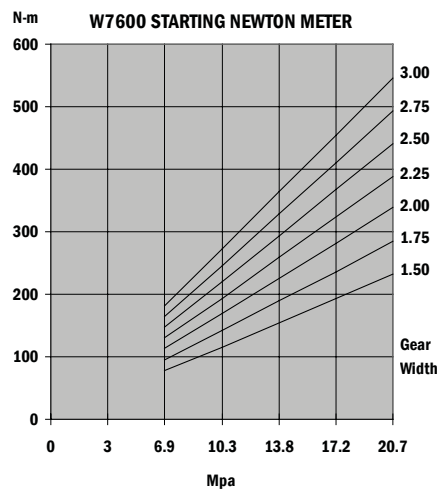
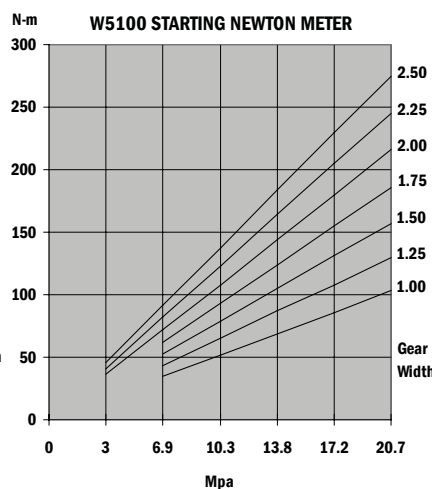
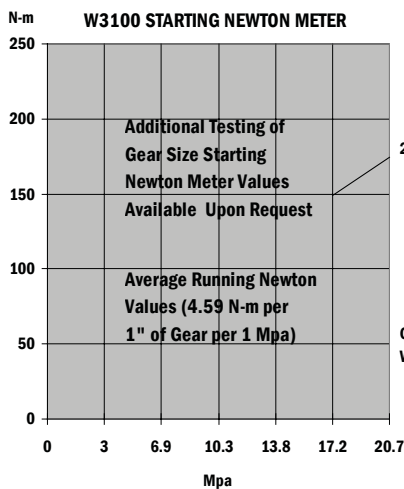
Tandem Unit

Model	A	B	C	D	E	F	G	H	I	J	K	L	M
W3000/3100	See Drive Shaft	74.67	19.1 + GW	44.45	125.5 + GW(F)	220.7 + TGW	140.00	22.40	122.17	See Gear Housing Codes in Engineers Handbook	63.50	38.10	5/8-11UNC-2A
W5000/5100	Codes in Engineers Handbook	85.85	19.1 + GW	44.45	141.5 + GW(F)	241.3 + TGW	159.00	25.40	128.52	See Gear Housing Codes in Engineers Handbook	73.15	38.10	5/8-11UNC-2A
W7500/7600	Handbook	95.25	25.4 + GW	50.80	158.8 + GW(F)	273.0 + TGW	203.00	31.80	155.70	See Gear Housing Codes in Engineers Handbook	76.20	38.10	5/8-11UNC-2A

GW = GEAR WIDTH

GW(F) = GEAR WIDTH (FRONT SECTION)

TGW = TOTAL GEAR WIDTH (FRONT AND REAR GEAR SECTIONS)



In accordance with our policy of continued product development, we reserve the right to change specifications without notice. The data is average test data and should not be misconstrued to represent performance of each unit.

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