

PRM MARINE GEARBOXES BY NEWAGE

EFFICIENT DESIGN

Thanks to their low counter-shaft design PRM gearboxes run smoother, quieter, with reduced or minimal propeller or Compressor loss and therefore increased fuel.

Correctly matched bearings and gears, in PRM marine gear will give many hours of trouble-free service, components being simply dimensioned for long life and reliability, all meeting gear industry design and technical to the highest standards for quiet, smooth operation.

Representative mounting lines are outlined on page 2.



IN LINE



BOW-STERN



BOW-ANGLE

INSTALLATION FLEXIBILITY

Specifically designed for Transoms, not only high-torque but also for fishing and other working boats of all kinds, the standard universal PRM transmissions have superb shaft capacity, without loss of mounting versatility, but feature for the installation demands of the undermounting variety of hulls. The PRM20 is especially preferable in undermounting gearboxes, which does not require any offset or overhang (400 mm / 15 7/8" length) (400 mm / 15 7/8").

A wide selection of mounting options is available, enabling gearboxes to be fitted to most of the popular engine models around the world.

NEWAGE

MARINE TRANSMISSIONS www.newage.com

Reference Number: 02552 Contact

Telephone: 00351 214 Fax: 00351 214

60 Calle Sempere Navarra P.O. Box 210001



SAFE OPERATION

Hydraulically operated adjustment - Two hydraulic cylinders ensure rapid response to shifts of the operating lever for position changing and automatic return. Cylinders are designed for use with proprietary single-act hydraulic control systems.

CONVENIENCE

Advanced performance are optional whether all-terrain or highway properties are used, including PMS (Power Management System) for fuel economy. Features enhanced efficiency, by incorporating a wide fan, so it can adjust fan speed to air temperature and load. All components optimized for performance of all the environments in that used in the engine, using the feature of performance across temperature. Fuel control with the exception of gearbox limit with timing valve which restricts "low load" or "no load" fuel.

SAFETY

Start for stoppage, PMS gearshift is equipped as provided with "up stop button" device so that it is the safety gear of hydraulic valve mechanism automatically locked in engagement, making the best to be proper safety device to get.

In addition, a safety interlock is available as optional, this prevents the engine from being started until the gearbox is neutral, reducing the possibility of treatment damaged or uncontrolled load movement in start-up.

PRODUCT SUPPORT

To ensure the correct level of after-sales support for the PMS engine gearbox is critical to ultimate operational success and your profitability. Service Transmissions has established a comprehensive network of distributors and dealers worldwide, in order to ensure expert advice and distribution is available locally to meet your requirements.



REVISIONS

All PMS gearboxes allow maintenance major components, such as those of pump and hydraulic control, to be changed externally, minimizing down time and disruption, if needed, to you.

Check our literature for more product features, or contact your distributor when required.

Further information is kept for customers, supplemented by checking all newly arriving incoming shipments and accessories/technical aids for sale.

ADDITIONAL OPTIONAL FEATURES

Applied power ultrasonic welding or 200 W infrared heat shrinkage for added strength and seal integrity. PECO can also be fitted with PECO, PECO and PECO. These combine complementary methods of giving added security with example models etc.



Applied power ultrasonic for PECO is a strong seal which allows for additional dry clean after washing or simply when it is necessary and completely practical machinery. PECO, PECO and PECO are made in accordance with commercial testing.



BASIC SELECTION GUIDE - PWR HYDRAULIC REVERSE REDUCTION GEARBOXES

Model	Shaft arrangement	Input speed (rpm)	Input torque (Nm)	Output torque (Nm)	Maximum input speed (rpm)		Maximum input torque (Nm) at 100% efficiency		
					Flange	Shaft	Flange	Shaft	Shaft
M5075	SH1607	1320	2.4	200000	3000	4000	13000	2.1	0.50
		1500	2.4	200000	3000	4000	13000	2.1	0.50
		1750	2.4	200000	3000	4000	13000	2.1	0.50
M5085	SH1607	1320	2.4	200000	3000	4000	27000000	2.50	0.60
		1500	2.4	200000	3000	4000	27000000	2.50	0.60
		1750	2.4	200000	3000	4000	27000000	2.50	0.60
M5095	SH1607	1400	2.4	200000	3000	4000	41000000	4.00	0.70
		1600	2.4	200000	3000	4000	41000000	4.00	0.70
		1800	2.4	200000	3000	4000	41000000	4.00	0.70
M5105	SH1607	1400	2.4	200000	3000	4000	51000000	5.00	0.80
		1600	2.4	200000	3000	4000	51000000	5.00	0.80
		1800	2.4	200000	3000	4000	51000000	5.00	0.80
M5115	SH1607	1400	2.4	200000	3000	4000	61000000	6.00	0.90
		1600	2.4	200000	3000	4000	61000000	6.00	0.90
		1800	2.4	200000	3000	4000	61000000	6.00	0.90
M5125	SH1607	1400	2.4	200000	3000	4000	71000000	7.00	1.00
		1600	2.4	200000	3000	4000	71000000	7.00	1.00
		1800	2.4	200000	3000	4000	71000000	7.00	1.00
M5135	SH1607	1400	2.4	200000	3000	4000	81000000	8.00	1.10
		1600	2.4	200000	3000	4000	81000000	8.00	1.10
		1800	2.4	200000	3000	4000	81000000	8.00	1.10
M5145	SH1607	1400	2.4	200000	3000	4000	91000000	9.00	1.20
		1600	2.4	200000	3000	4000	91000000	9.00	1.20
		1800	2.4	200000	3000	4000	91000000	9.00	1.20
M5155	SH1607	1400	2.4	200000	3000	4000	101000000	10.00	1.30
		1600	2.4	200000	3000	4000	101000000	10.00	1.30
		1800	2.4	200000	3000	4000	101000000	10.00	1.30
M5165	SH1607	1400	2.4	200000	3000	4000	111000000	11.00	1.40
		1600	2.4	200000	3000	4000	111000000	11.00	1.40
		1800	2.4	200000	3000	4000	111000000	11.00	1.40
M5175	SH1607	1400	2.4	200000	3000	4000	121000000	12.00	1.50
		1600	2.4	200000	3000	4000	121000000	12.00	1.50
		1800	2.4	200000	3000	4000	121000000	12.00	1.50
M5185	SH1607	1400	2.4	200000	3000	4000	131000000	13.00	1.60
		1600	2.4	200000	3000	4000	131000000	13.00	1.60
		1800	2.4	200000	3000	4000	131000000	13.00	1.60
M5195	SH1607	1400	2.4	200000	3000	4000	141000000	14.00	1.70
		1600	2.4	200000	3000	4000	141000000	14.00	1.70
		1800	2.4	200000	3000	4000	141000000	14.00	1.70

M5000 through M5195 are shaft output and M5000 through M5195 are flange output

GENERAL NOTES

1) It is essential for the input transmission to be reduced into a single shaft size to be correctly mounted to the shaft and when the shaft and gear assembly to be selected within the following torque limits.

2) It is also essential to ensure the correct compatibility of the complete gearbox system from motor through to gearbox output depending on the motor or gear ratio, particularly in low speed operation, unless you modify design to eliminate resonance components.

3) Always Transmission oil selection, operating temperature and maintenance intervals should be selected according to the application, use a full range of maintenance oils from our extensive range of oils and grease selection to ensure the best performance possible.

All information is given for reference only. It is the user's responsibility to ensure the gearbox is used within its design limits. The user should consult the gearbox manufacturer for detailed information on the gearbox and its application. The gearbox manufacturer will be held liable for any damage or loss of life or property caused by the gearbox.

Dimensions are approximate only and do not form part of any contract unless certified technical drawings are made on request. All goods are supplied in accordance with standard laws and conditions of sale.

