

NEWAGE

Driveline Solutions

OFF-HIGHWAY GEARBOXES

For more than 30 years, Newage off-highway vehicle gearboxes have been synonymous with reliability, durability and performance.

The constant mesh gearboxes are designed for heavy duty operation under the most arduous conditions - including prolonged operation in intermediate and reverse gears - to ensure many years of trouble-free service.

Principal features include:

VERSATILITY

- Available in a wide variety of overall reduction ratios, Newage two-wheel and four wheel drive gearboxes perfectly complement the capabilities of the company's axle range - to ensure precise matching of driveline components to each application.

MECHANICAL EFFICIENCY

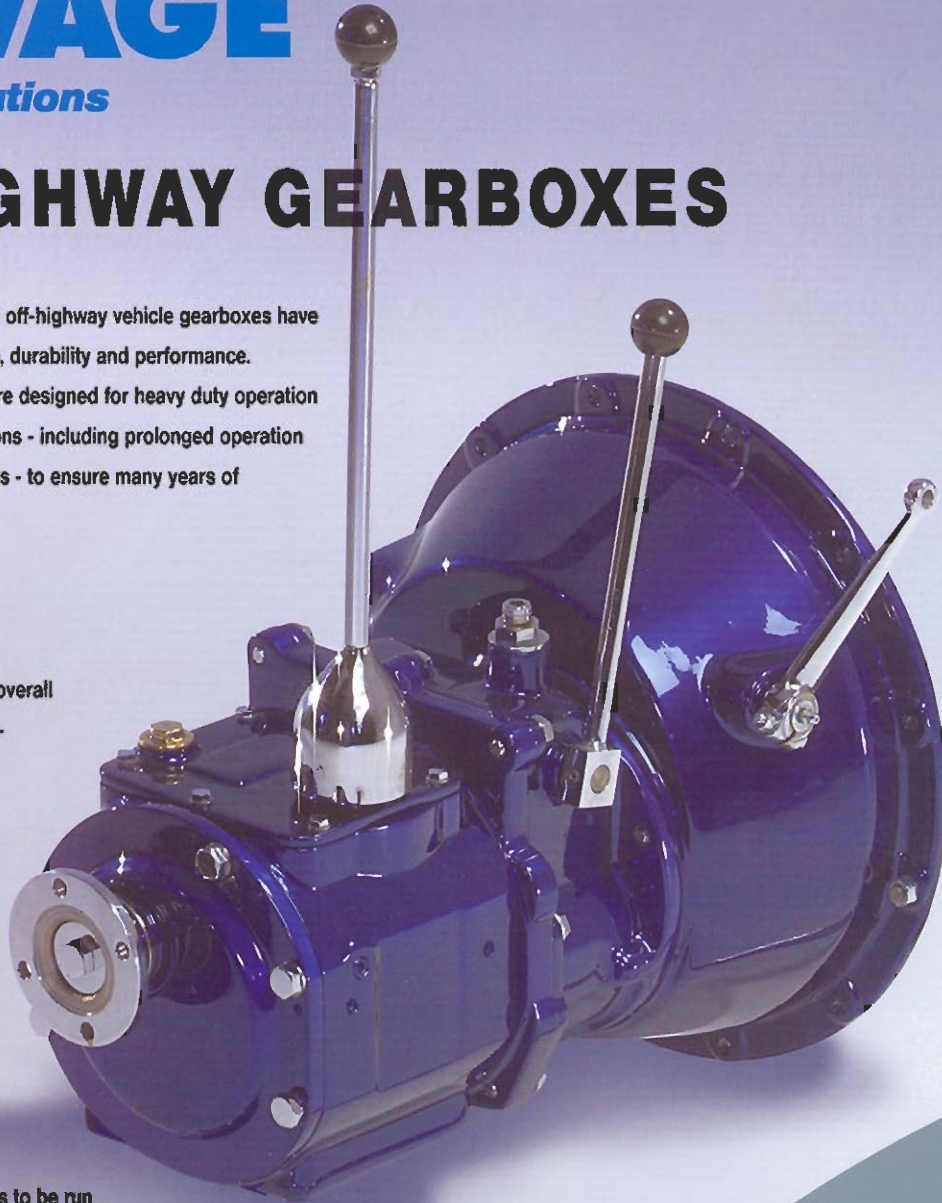
- Geartrain design enables units to be run continuously at maximum torque in low gears.

RUGGED CONSTRUCTION

- Heavy-duty cast iron gearcase provides rigidity and strength.

OUTPUT COUPLINGS

- Flanges are available to suit a variety of Hardy Spicer BRD series and DIN standard couplings.



BASIC SELECTION GUIDE - OFF-HIGHWAY GEARBOXES

MODEL	TORQUE CAPACITY		MAXIMUM SPEED rev/min	CLUTCH HOUSING	CLUTCH DIA. in.	ANCILLARY UNIT	OUTPUT ROTATION	REDUCTION RATIO	OVERALL REDUCTION RATIO				
	Nm	lbf.ft.							1st	2nd	3rd	4th	reverse
40MSS	81.4	60	3250	SAE4/5	8 or 9	N/A	-	2:1, 3:1, 5:1	Fixed reduction gearbox				
40M2	81.4	60	3250	SAE4/5	8 or 9	N/A	+	N/A	4.29	1.85	1.00		3.85
40MFR2	81.4	60	3250	SAE4/5	8 or 9	N/A		N/A	4.29	2.99	1.85	1.0	as forward
40M41	81.4	60	3250	SAE4/5	8 or 9	R	+	1.79:1	7.70	3.32	1.79		6.90
40M42	81.4	60	3250	SAE4/5	8 or 9	R	+	2.39:1	10.25	4.42	2.39		9.20
40M43	81.4	60	3250	SAE4/5	8 or 9	R	+	3.07:1	13.17	5.68	3.07		11.80
40M812	81.4	60	3250	SAE4/5	8 or 9	R	-	1.18:1	5.06	2.18	1.18		4.54
40M814	81.4	60	3250	SAE4/5	8 or 9	R	-	1.40:1	6.00	2.59	1.40		5.39
40M817	81.4	60	3250	SAE4/5	8 or 9	R	-	1.70:1	7.29	3.15	1.70		6.55
40M824	81.4	60	3250	SAE4/5	8 or 9	R	-	2.43:1	10.44	4.49	2.43		9.35
40M83	81.4	60	3250	SAE4/5	8 or 9	R	-	3.00:1	12.90	5.55	3.00		11.55
40MJ13	81.4	60	3250	SAE4/5	8 or 9	T	+	1.26:1	5.40	2.33	1.26		4.85
40MJ16	81.4	60	3250	SAE4/5	8 or 9	T	+	1.68:1	7.22	3.11	1.68		6.47
40MFRJ13	81.4	60	3250	SAE4/5	8 or 9	T		1.26:1	5.42	3.77	2.33	1.26	as forward
40MFRJ16	81.4	60	3250	SAE4/5	8 or 9	T		1.68:1	7.21	5.02	3.11	1.68	as forward
85M2	122.0	90	3250	SAE4/5	8 or 9	N/A	+	N/A	4.29	1.85	1.00		3.85
85MFR2	122.0	90	3250	SAE4/5	8 or 9	N/A		N/A	4.29	2.99	1.85		1.00
85MJ13	122.0	90	3250	SAE4/5	8 or 9	T	+	1.26:1	5.42	2.33	1.26		4.85
85MJ16	122.0	90	3250	SAE4/5	8 or 9	T	+	1.68:1	7.22	3.11	1.68		6.47
85MFRJ13	122.0	90	3250	SAE4/5	8 or 9	T		1.26:1	5.42	3.77	2.33	1.26	as forward
85MFRJ16	122.0	90	3250	SAE4/5	8 or 9	T		1.68:1	7.21	5.02	3.11	1.68	as forward

- Key:** 'R' denotes ancillary geared reduction unit fitted.
 'T' denotes close coupled transfer gearbox (4WD applications).
 + denotes output rotation in forward gears as input.
 - denotes output rotation in forward gears opposite to input.

TECHNICAL INFORMATION

TRANSFER GEARBOXES

- Newage gearboxes are available with a close coupled transfer gearbox. Installation drawings are available on request.
- Newage free standing transfer gearboxes can also be used for four wheel drive vehicles (see: Free-Standing Transfer Gearboxes data sheet for further information).

ENGINE ROTATION

- Newage traction gearboxes are designed for use with clockwise rotating engines - when looking towards the front, or input, end of the gearbox.



Certificate No. Q10728.

Note:

In line with our policy of continuous product development and improvement, specifications of Newage driveline equipment may be subject to change without notice.



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