

Assignment of the PLE-Gears to the Motors of the GM55 - GM110 Series

Motortyp Motortype Motortype	Nenndrehmoment Rated torque Couple nominale	Untersetzung / Transmission ratio / Rapport de reduction												
		3	4	5	8	9	12	15	16	20	25	32	40	64
GM 55 K	0.18 Nm	40	60	60	60	40	40	60	60	60	60	60	60	60
GM 55 M	0.20 Nm	40	60	60	60	40	40	60	60	60	60	60	60	60
GM 55 L	0.30 Nm	40	60	60	60	40	40	60	60	60	60	60	60	60*
GM 68 K	0.33 Nm	60	60	60	60	60	60	60	60	60	60	60	60	60*
GM 68 M	0.42 Nm	60	60	60	60	60	60	60	60	60	60	60	60	60*
GM 68 L	0.54 Nm	60	60	60	60	60	60	60	60	60	60	60	60	60*
GM 82 K	0.42 Nm	80	80	80	80	80	80	80	80	80	80	80	80	80
GM 82 M	0.64 Nm	80	80	80	80	80	80	80	80	80	80	80	80	80
GM 82 L	0.75 Nm	80	80	80	80	80	80	80	80	80	80	80	80	80
GM 92 M	1.10 Nm	120	120	120	120	120	120	120	120	120	120	120	120	120
GM 92 L	1.40 Nm	120	120	120	120	120	120	120	120	120	120	120	120	120
GM 110 K	1.63 Nm	120	120	120	120	120	120	120	120	120	120	120	120	120
GM 110 L	1.90 Nm	120	120	120	120	120	120	120	120	120	120	120	120	120*

Motortyp Motortype Motortype	Nenndrehmoment Rated torque Couple nominale	Untersetzung / Transmission ratio / Rapport de reduction								
		60	80	100	120	160	200	256	320	512
GM 55 K	0.18 Nm	60	60	60	60	60	60	60*	60*	60*
GM 55 M	0.20 Nm	60	60	60	60	60	60	60*	60*	60*
GM 55 L	0.30 Nm	60	60	60	60	60*	60*	60*	60*	60*
GM 68 K	0.33 Nm	60	60	60	60	60*	60*	60*	60*	60*
GM 68 M	0.42 Nm	60	60	60	60*	60*	60*	60*	60*	60*
GM 68 L	0.54 Nm	60	60	60*	60*	60*	60*	60*	60*	60*
GM 82 K	0.42 Nm	80	80	80	80	80	80	80	80*	80*
GM 82 M	0.64 Nm	80	80	80	80	80	80*	80*	80*	80*
GM 82 L	0.75 Nm	80	80	80	80	80	80*	80*	80*	80*
GM 92 M	1.10 Nm	120	120	120	120	120	120	120*	120*	120*
GM 92 L	1.40 Nm	120	120	120	120	120	120*	120*	120*	120*
GM 110 K	1.63 Nm	120	120	120	120	120	120*	120*	120*	120*
GM 110 L	1.90 Nm	120	120	120	120	120*	120*	120*	120*	120*

* valid with reduced torque

Remark:
The numbers in the chart (e.g. 60) represent the specific gear size.

Kern GmbH
Antriebstechnik

Gutenbergstraße 11
88046 Friedrichshafen

Tel.: (+49) 07541-5016-0
Fax.: (+49) 07541-5016-28

Assignment of the DC-Servo Controllers to the Motors of the GM55 - GM110 Series

Motortyp Motortype Motortype	Nennspannung Rated voltage Tension nominale	Nennstrom Rated current Courant nominale	Spitzenstrom Peak current Courant maxi	DC-Servoregler DC-Servo controller Amplificateur de puissance
GM 55 K	30 VDC	3.7 A	11.1 A	Kern Drive 60 8/16
GM 55 M	30 VDC	4.5 A	13.5 A	Kern Drive 60 8/16
GM 55 L	48 VDC	3.6 A	10.8 A	Kern Drive 60 8/16
GM 68 K	48 VDC	3.0 A	9.0 A	Kern Drive 60 4/8
GM 68 M	48 VDC	4.3 A	12.9 A	Kern Drive 60 8/16
GM 68 L	48 VDC	5.4 A	16.2 A	Kern Drive 60 8/16
GM 82 K	50 VDC	4.0 A	12.0 A	Kern Drive 60 8/16
GM 82 M	50 VDC	5.8 A	17.4 A	Kern Drive 60 8/16
GM 82 L	50 VDC	6.5 A	19.5 A	Kern Drive 60 14/28
GM 92 M	50 VDC	9.8 A	29.4 A	Kern Drive 60 14/28
GM 92 L	50 VDC	10.0 A	30.0 A	Kern Drive 60 14/28
GM 110 K	120 VDC	5.4 A	16.2 A	Kern Drive 200 14/28
GM 110 L	48 VDC	14.0 A	42.0 A	Kern Drive 60 14/28