

# ACTUATORS & DAMPERS



## DIRECT-COUPLED ACTUATORS TORQUE AND DAMPER AREA RATINGS DIRECT COUPLED ACTUATOR CROSS REFERENCE CHART NON-SPRING RETURN

Brand	Torque	Supply Voltage	Control Signal	Model	Damper Area (ft <sup>2</sup> )
Kele	44 in-lb (5 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Two-position, floating	KA-44-2T	6.3
Honeywell	44 in-lb (5 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Two-position, floating	MN6105A1011	6.3
Johnson	35 in-lb (4 Nm)	20-30 VAC, 50/60 Hz	Two-position, floating	M9104-AGA-2S	5.0
Johnson	53 in-lb (6 Nm)	20-30 VAC, 50/60 Hz	Two-position, floating	M9106-AGA-2	7.6
Siemens	44 in-lb (5 Nm)	20-28 VAC, 50/60 Hz	Two-position, floating	GDE131.1P	6.3
Schneider	35 in-lb (4 Nm)	21-28 VAC 50/60 Hz	Two-position, floating	MF4E-60430-100	5.0
Schneider	35 in-lb (4 Nm)	21-28 VAC 50/60 Hz	Two-position, floating	MF41-6043	5.0
Belimo	45 in-lb, (5 Nm)	20-28 VAC 50/60 Hz, 24 VDC	Two-position, floating	LMB24-3	6.4
Kele	44 in-lb (5 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Prop. 0/2-10 VDC, 0/4-20 mA, two-pos., floating	KA-44-M	6.3
Honeywell	44 in-lb (5 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Prop. 0/2-10 VDC, 0/4-20 mA	MN7505A2001	6.3
Johnson	35 in-lb (4 Nm)	20-30 VAC, 50/60 Hz	Prop. 0-10 VDC, 4-20 mA	M9104-GGA-2S	5.0
Johnson	53 in-lb (6 Nm)	20-30 VAC, 50/60 Hz	Prop. 0-10 VDC, 4-20 mA	M9106-GGA-2	7.6
Siemens	44 in-lb (5 Nm)	20-28 VAC, 50/60 Hz	Proportional 0 to 10 VDC	GDE161.1P	6.3
Schneider	35 in-lb (4 Nm)	21-28 VAC 50/60 Hz	Proportional 0-10 VDC	MS41-6043	5.0
Belimo	45 in-lb, (5 Nm)	20-28 VAC 50/60 Hz, 24 VDC	Prop. 2-10 VDC, 4-20 mA	LMB24-SR	6.4
Kele	88 in-lb (10 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Two-position, floating	KA-88-2T	12.6
Honeywell	88 in-lb (10 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Two-position, floating	MN6110A1003	12.6
Johnson	70 in-lb (8 Nm)	20-30 VAC, 50/60 Hz	Two-position, floating	M9108-AGA-2	10.0
Siemens	88 in-lb (10 Nm)	20-28 VAC, 50/60 Hz	Two-position, floating	GLB131.1P	12.6
Schneider	70 in-lb (8 Nm)	21-28 VAC 50/60 Hz	Two-position, floating	MF41-6083	10.0
Belimo	90 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 24 VDC	Two-position, floating	NMB24-3	12.9
Kele	88 in-lb (10 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Prop. 0/2-10 VDC, 0/4-20 mA, two-pos., floating	KA-88-M	12.6
Honeywell	88 in-lb (10 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Prop. 0/2-10 VDC, 0/4-20 mA	MN7510A2001	12.6
Johnson	70 in-lb (8 Nm)	20-30 VAC, 50/60 Hz	Prop. 0-10 VDC, 4-20 mA	M9108-GGA-2	10.0
Siemens	88 in-lb (10 Nm)	20-28 VAC, 50/60 Hz	Proportional 0 to 10 VDC	GLB161.1P	12.6
Schneider	70 in-lb (8 Nm)	21-28 VAC 50/60 Hz	Proportional 0-10 VDC	MS41-6083	10.0
Belimo	90 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 24 VDC	Prop. 2-10 VDC, 4-20 mA	NMB24-SR	12.9
Kele	175 in-lb (20 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Two-position, floating	KA-175-2T	25.0
Honeywell	175 in-lb (20 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Two-position, floating	MN6120A1002	25.0
Johnson	140 in-lb (16 Nm)	20-30 VAC, 50/60 Hz	Two-position, floating	M9116-AGA-2	20.0
Siemens	132 in-lb (15 Nm)	20-28 VAC, 50/60 Hz	Two-position, floating	GEB131.1P	18.9
Schneider	133 in-lb (15 Nm)	21-28 VAC 50/60 Hz	Two-position, floating	MF41-6153	19.0
Belimo	180 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 24 VDC	Two-position, floating	AMB24-3	25.7
Kele	175 in-lb (20 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Prop. 0/2-10 VDC, 0/4-20 mA, two-pos., floating	KA-175-P	25.0
Honeywell	175 in-lb (20 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Prop. 0/2-10 VDC, 0/4-20 mA	MN7220A2007	25.0
Johnson	140 in-lb (16 Nm)	20-30 VAC, 50/60 Hz	Prop. 0-10 VDC, 4-20 mA	M9116-GGA-2	20.0
Siemens	132 in-lb (15 Nm)	20-28 VAC, 50/60 Hz	Proportional 0 to 10 VDC	GEB161.1P	18.9
Siemens	177 in-lb (20 Nm)	20-28 VAC, 50/60 Hz	Proportional 0 to 10 VDC	GBB161.1P	25.3
Schneider	133 in-lb (15 Nm)	21-28 VAC 50/60 Hz	Proportional 0/2-10 VDC	MS41-6153	19.0
Belimo	180 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 24 VDC	Prop. 2-10 VDC, 4-20 mA	AMB24-SR	25.7
Kele	301 in-lb (34 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Two-position, floating	KA-301-2T	43.0
Honeywell	300 in-lb (34 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Two-position, floating	MN6134A1003	42.9
Johnson	210 in-lb (24 Nm)	20-30 VAC, 50/60 Hz	Two-position, floating	M9124-AGA-2	30.0
Johnson	280 in-lb (32 Nm)	20-30 VAC, 50/60 Hz	Two-position, floating	M9132-AGA-2	40.0
Schneider	300 in-lb (34 Nm)	21-28 VAC 50/60 Hz	Two-position, floating	MF41-6343	42.9
Belimo	360 in-lb (40 Nm)	20-28 VAC 50/60 Hz, 24 VDC	Two-position, floating	GMB24-3	51.4
Kele	301 in-lb (34 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Prop. 0/2-10 VDC, 0/4-20 mA, two-pos., floating	KA-301-P	43.0
Honeywell	300 in-lb (34 Nm)	21-27 VAC 50/60 Hz, 24 VDC	Prop. 0/2-10 VDC, 0/4-20 mA	MN7234A2008	42.9
Johnson	210 in-lb (24 Nm)	20-30 VAC, 50/60 Hz	Prop. 0-10 VDC, 4-20 mA	M9124-GGA-2	30.0
Johnson	280 in-lb (32 Nm)	20-30 VAC, 50/60 Hz	Prop. 0-10 VDC, 4-20 mA	M9132-GGA-2	40.0
Siemens	310 in-lb (35 Nm)	20-28 VAC, 50/60 Hz	Proportional 0 to 10 VDC	GIB161.1P	44.3
Schneider	300 in-lb (34 Nm)	21-28 VAC 50/60 Hz	Prop. 2-10 VDC, 4-20 mA	MS41-6343	42.9
Belimo	360 in-lb (40 Nm)	20-28 VAC 50/60 Hz, 24 VDC	Prop. 2-10 VDC, 4-20 mA	GMB24-SR	51.4

\*Maximum damper area assuming 7 in-lb/sq. ft damper torque