



ACTUATORS & DAMPERS

DIRECT-COUPLED ACTUATORS TORQUE AND DAMPER AREA RATINGS

DIRECT COUPLED ACTUATOR CROSS REFERENCE CHART SPRING RETURN

ACTUATORS & DAMPERS

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Brand	Torque	Supply Voltage	Control Signal	Model	Damper Area (ft ²)
Kele	44 in-lb (5 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	KAS-44-2	6.3
Honeywell	27 in-lb (3 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	MS8103A1130	3.6
Honeywell	44 in-lb (5 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	MS8105A1030	6.3
Johnson	27 in-lb (3 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position	M9203-BGA-2	3.6
Schneider	35 in-lb (4 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	MA40-7043	5.0
Belimo	18 in-lb (2 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position	TFB24	2.6
Belimo	35 in-lb (4 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position	LF24	5.0
Kele	44 in-lb (5 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 0/2-10 VDC, 4-20 mA, two-pos., floating	KAS-44-M	6.3
Honeywell	27 in-lb (3 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 0/2-10 VDC, 4-20 mA, two-pos., floating	MS7503A2030	3.6
Honeywell	44 in-lb (5 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 0/2-10 VDC, 4-20 mA, two-pos., floating	MS7505A2030	6.3
Johnson	27 in-lb (3 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Tri-state, two-position	M9203-AGA-2Z	3.6
Schneider	35 in-lb (4 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Floating	MF40-7043	5.0
Belimo	18 in-lb (2 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Floating	TFB24-3	2.6
Belimo	35 in-lb (4 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Floating	LF24-3	5.0
Johnson	27 in-lb (3 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. 2-10 VDC, 4-20 mA	M9203-GGA-2Z	3.6
Schneider	35 in-lb (4 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 2-10 VDC, 4-20 mA	MS40-7043	5.0
Belimo	18 in-lb (2 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. 2-10 VDC, 4-20 mA	TFB24-SR	2.6
Belimo	35 in-lb (4 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. 2-10 VDC, 4-20 mA	LF24-SR	5.0
Kele	88 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	KAS-88-2	12.6
Honeywell	88 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	MS8110A1008	12.6
Johnson	70 in-lb (80 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position	M9208-BGA-2	10.0
Johnson	89 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position	M9210-BGA-3	12.7
Siemens	62 in-lb (7 Nm)	20-28 VAC 50/60 Hz, 21-27 VDC	Two-position	GMA121.1P	8.9
Schneider	60 in-lb (7 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	MA41-7073	8.6
Belimo	90 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position	NFB24	12.9
Kele	88 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 0/2-10 VDC, 4-20 mA, two-pos., floating	KAS-88-M	12.6
Honeywell	88 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 0/2-10 VDC, 4-20 mA, two-pos., floating	MS7510A2008	12.6
Johnson	70 in-lb (80 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position, floating	M9208-AGA-2	10.0
Johnson	89 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position, floating	M9210-AGA-3	12.7
Siemens	62 in-lb (7 Nm)	20-28 VAC 50/60 Hz, 21-27 VDC	Floating	GMA131.1P	8.9
Schneider	60 in-lb (7 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Floating	MF41-7073	8.6
Belimo	90 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. (default 2-10 VDC)	NFB24-MFT	12.9
Johnson	70 in-lb (80 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. 2-10 VDC, 4-20 mA	M9208-GGA-2	10.0
Johnson	89 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. 2-10 VDC, 4-20 mA	M9210-GGA-3	12.7
Siemens	62 in-lb (7 Nm)	20-28 VAC 50/60 Hz, 21-27 VDC	Prop. 0/2-10 VDC	GMA151.1P	8.9
Siemens	62 in-lb (7 Nm)	20-28 VAC 50/60 Hz, 21-27 VDC	Prop. 0-10 VDC	GMA161.1P	8.9
Schneider	60 in-lb (7 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 2-10 VDC, 4-20 mA	MS41-7073	8.6
Belimo	90 in-lb (10 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. 2-10 VDC, 4-20 mA	NFB24-SR	12.9
Kele	175 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	KAS-175-2	25.0
Honeywell	175 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	MS8120A1007	25.0
Johnson	177 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position	M9220-BGA-3	25.3
Siemens	142 in-lb (16 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position	GCA121.1P	20.3
Schneider	133 in-lb (15 Nm)	24 VAC ±20%, 22 to 30 VDC	Two-position	MA41-7153	19.0
Schneider	150 in-lb (17 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Two-position	MA40-7173	21.4
Belimo	180 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position	AFB24	25.7
Kele	175 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 0/2-10 VDC, 4-20 mA, two-pos., floating	KAS-175-M	25.0
Honeywell	175 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 0/2-10 VDC, 4-20 mA, two-pos., floating	MS7520A2007	25.0
Johnson	177 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Two-position, floating	M9220-AGA-3	25.3
Siemens	142 in-lb (16 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Floating	GCA131.1P	20.3
Schneider	133 in-lb (15 Nm)	24 VAC ±20%, 22 to 30 VDC	Floating	MF41-7153	19.0
Schneider	150 in-lb (17 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Floating	MF40-7173	21.4
Belimo	180 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. (default 2-10 VDC)	AFB24-MFT	25.7
Johnson	177 in-lb (20 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. 2-10 VDC, 4-20 mA	M9220-GGA-3	25.3
Siemens	142 in-lb (16 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. 0-10 VDC	GCA161.1P	20.3
Siemens	142 in-lb (16 Nm)	20-28 VAC 50/60 Hz, 22-26 VDC	Prop. 0/2-10 VDC	GCA151.1P	20.3
Schneider	133 in-lb (15 Nm)	24 VAC ±20%, 22 to 30 VDC	Prop. 2-10 VDC, 4-20 mA	MS41-7153	19.0
Schneider	150 in-lb (17 Nm)	20-28 VAC 50/60 Hz, 22-30 VDC	Prop. 2-10 VDC, 4-20 mA	MS40-7173	21.4

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

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