

SERIES 1000, 1000 FB, 1000 MZ, 1001 MZ, 1000 SM, 1000 SM-M,
1500, 1500 FB, 9000, 9000 FB, 9000 BF

VELOCITY TORQUE (IN-LBS)

OPPOSED BLADE DAMPERS

		Width (inches)								
		12	18	24	30	36	42	48	54	60
Height (inches)	12	5.00	7.50	10.00	12.50	15.00	17.50	20.00	22.50	25.00
	18	7.50	11.25	15.00	18.75	22.50	26.25	30.00	33.75	37.50
	24	10.00	15.00	20.00	25.00	30.00	35.00	40.00	45.00	50.00
	30	12.50	18.75	25.00	31.25	37.50	43.75	50.00	56.25	62.50
	36	15.00	22.50	30.00	37.50	45.00	52.50	60.00	67.50	75.00
	42	17.50	26.25	35.00	43.75	52.50	61.25	70.00	78.75	87.50
	48	20.00	30.00	40.00	50.00	60.00	70.00	80.00	90.00	100.00
	54	22.50	33.75	45.00	56.25	67.50	78.75	90.00	101.21	112.50
	60	25.00	37.50	50.00	62.50	75.00	87.50	100.00	112.50	125.00
	66	27.50	41.25	55.00	68.75	82.50	96.25	110.00	123.75	137.50
72	30.00	45.00	60.00	75.00	90.00	105.00	120.00	135.00	150.00	

PARALLEL BLADE DAMPERS

		Width (inches)								
		12	18	24	30	36	42	48	54	60
Height (inches)	12	7.00	10.50	14.00	17.50	21.00	24.50	28.00	31.50	35.00
	18	10.50	15.75	21.00	26.25	31.50	36.75	42.00	47.25	52.50
	24	14.00	21.00	28.00	35.00	42.00	49.00	56.00	63.00	70.00
	30	17.50	26.25	35.00	43.75	52.50	61.25	70.00	78.75	87.50
	36	21.00	31.50	42.00	52.50	63.00	73.50	84.00	94.50	105.00
	42	24.50	36.75	49.00	61.25	73.50	85.75	98.00	110.25	122.50
	48	28.00	42.00	56.00	70.00	84.00	98.00	112.00	126.00	140.00
	54	31.50	47.25	63.00	78.75	94.50	110.25	126.00	141.75	157.50
	60	35.00	52.50	70.00	87.50	105.00	122.50	140.00	157.50	175.00
	66	38.50	57.75	77.00	96.25	115.50	134.75	154.00	173.25	192.50
72	42.00	63.00	84.00	105.00	126.00	147.00	168.00	189.00	210.00	

To obtain the torque requirement based on design face velocity, multiply the value obtained in the charts above by the applicable multiplier listed at right.

NOTE:

TAMCO recommends that an actuator with a minimum torque rating of 35 in-lbs be selected for all damper sizes having a torque requirement of 35 in-lbs or less.

VELOCITY (FPM)	MULTIPLIER
0 – 1000	1.000
1001 – 1500	1.166
1501 – 2000	1.331
2001 – 2500	1.500
2501 – 3000	1.750
3001 – 3500	2.000



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