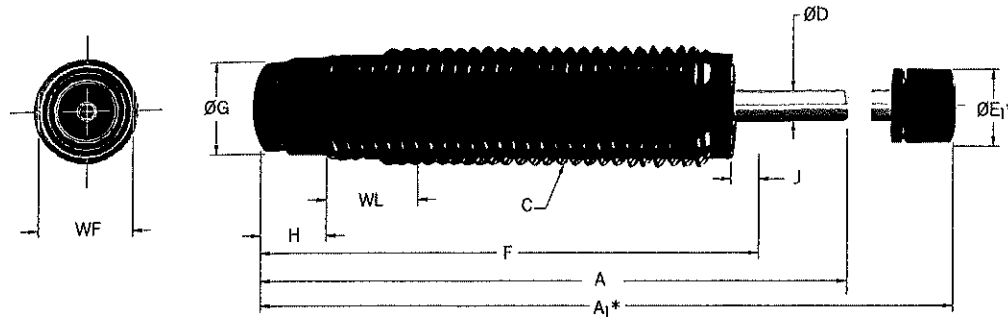


**Standard**

ECO 8 → ECO 100 Series



\*Note: A<sub>1</sub> and E<sub>1</sub> apply to button models and urethane striker cap accessory. One Hex Jam Nut included with every shock absorber.

Catalog No./Model	(S) Stroke in. (mm)	(E <sub>T</sub> ) Max. in.-lbs./cycle (Nm/cycle)	(E <sub>T</sub> E) Emergency Max. in.-lbs./cycle (Nm/cycle)	(E <sub>T</sub> C) Max. in.-lbs./hour (Nm/h)	(F <sub>p</sub> ) Max. Reaction Force lbs. (N)	Nominal Coil Spring Force		(F <sub>D</sub> ) Max. Propelling Force lbs. (N)	Model Weight lbs. (Kg)
						Extended lbs. (N)	Compressed lbs. (N)		
ECO 8 (B)	0.25 (6,4)	35 (4,0)	—	55,000 (6 215)	200 (890)	0.6 (2,7)	1.2 (5,6)	45 (200)	.5 (16)
ECO 10 (B)	0.28 (7,0)	62 (7,0)	—	120,700 (13 640)	360 (1 600)	0.5 (2,2)	1.0 (4,5)	80 (350)	1.0 (28)
ECO 15 (B)	0.41 (10,4)	106 (12,0)	220 (25)	275,000 (31 020)	450 (2 000)	0.7 (3,0)	1.6 (7,0)	50 (220)	2.0 (56)
ECO S 25 (B)	0.50 (12,7)	212 (24,0)	390 (44)	331,000 (37 400)	625 (2 800)	1.0 (4,5)	2.5 (11,0)	200 (890)	2.4 (68)
ECO 25 (B)	0.63 (16,0)	265 (30,0)	500 (56)	389,000 (44 000)	625 (2 800)	1.0 (4,5)	2.5 (11,0)	200 (890)	2.4 (68)
ECO S 50 (B)	0.50 (12,7)	285 (32,0)	560 (63)	440,000 (49 720)	850 (3 750)	1.5 (6,0)	3.5 (15,0)	360 (1 600)	4.0 (123)
ECO 50 (B)	0.88 (22,0)	550 (62,0)	975 (110)	523,000 (59 070)	850 (3 750)	2.0 (8,9)	6.8 (30,0)	360 (1 600)	4.8 (136)
ECO 100 (B)	1.00 (25,0)	930 (105,0)	2210 (250)	681,500 (77 000)	1,250 (5 500)	3.0 (13,0)	6.0 (27,0)	500 (2 200)	10.5 (297)

\*Notes: Maximum energy rating for emergency use only. Estimated cycle life of 1-5 cycles if used at maximum emergency rating.

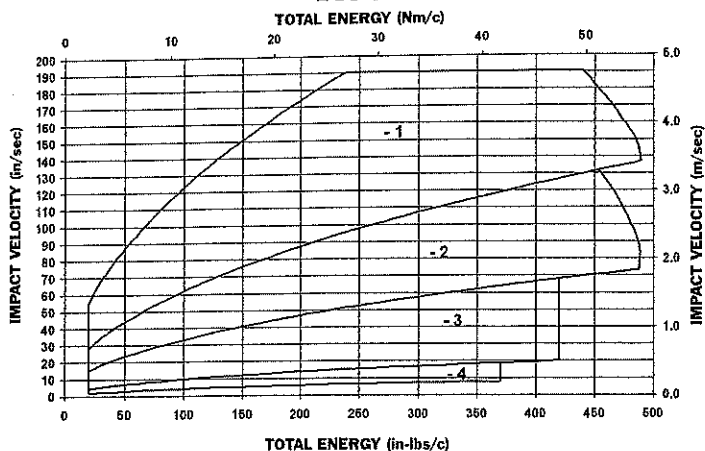
Catalog No./Model	Damping Constant	A in. (mm)	A <sub>1</sub> in. (mm)	C in. (mm)	D in. (mm)	E <sub>T</sub> in. (mm)	F in. (mm)	G in. (mm)	H in. (mm)	J in. (mm)	WF in. (mm)	WL in. (mm)
ECO 8 IF (B)	-1,-2,-3	1.86	2.25	3/8 - 32 UNEF	.10	0.27	1.61	.26	.18	.10	—	—
ECO 8 MF (B)	-1,-2,-3	(47,0)	(57,0)	M8 x 0,75	(2,5)	(6,8)	(40,9)	(6,6)	(4,6)	(2,5)	—	—
ECO 8 MC (B)	-1,-2,-3	—	—	M8 x 1,0	—	—	—	—	—	—	—	—
ECO 10 IF (B)	-1,-2,-3	2.12	2.51	3/8 - 28 UNEF	.12	0.34	1.83	.34	.18	.13	—	—
ECO 10 MF (B)	-1,-2,-3	(54,0)	(64,0)	M10 x 1,0	(3,0)	(8,6)	(46,5)	(8,6)	(4,6)	(3,3)	—	—
ECO 15 IF (B)	-1,-2,-3,-4	2.45	2.85	3/8 - 28 UNEF	.12	.40	2.10	.39	.27	.10	.39	.38
ECO 15 MF (B)	-1,-2,-3,-4	(62,2)	(72,4)	M12 x 1,0	(3,0)	(10,2)	(52,1)	(9,9)	(6,9)	(2,5)	(11,0)	(9,5)
ECO 15 IC (B)	-1,-2,-3,-4	—	—	1/2 - 20 UNEF	—	—	—	—	—	—	—	—
ECO S 25 MF (B)	-1,-2,-3	3.25	3.63	M14 x 1,0	.16	0.44	2.74	.43	.20	.04	(12,0)	.50
ECO S 25 IC (B)	-1,-2,-3	(82,7)	(92,2)	1/4 - 18 UNF	(4,0)	(11,2)	(69,5)	(10,9)	(5,1)	(1,0)	.50	(12,7)
ECO S 25 MC (B)	-1,-2,-3	—	—	M14 x 1,5	—	—	—	—	—	—	—	(12,0)
ECO 25 IF (B)	-1,-2,-3,-4	—	—	1/2 - 20 UNF	—	—	—	—	—	—	—	.44
ECO 25 MF (B)	-1,-2,-3,-4	3.84	4.22	M14 x 1,0	.16	.44	3.20	.43	.30	.04	(12,0)	.50
ECO 25 IC (B)	-1,-2,-3,-4	(97,5)	(107,2)	1/4 - 18 UNF	(4,0)	(11,2)	(81,3)	(10,9)	(7,6)	(1,0)	.50	(12,7)
ECO 25 MC (B)	-1,-2,-3,-4	—	—	M14 x 1,5	—	—	—	—	—	—	—	(12,0)
ECO S 50 IF (B)	-1,-2,-3	3.46	3.93	1/4 - 16 UNF	.19	0.50	2.93	.64	.30	.04	.68	.50
ECO S 50 MC (B)	-1,-2,-3	(87,9)	(99,9)	M20 x 1,5	(4,8)	(12,7)	(74,4)	(16,3)	(7,6)	(1,0)	(18,0)	(12,7)
ECO 50 IF (B)	-1,-2,-3,-4	4.66	5.13	1/4 - 16 UNF	.19	0.50	3.76	.64	.30	.04	.68	.50
ECO 50 MC (B)	-1,-2,-3,-4	(118,4)	(130,3)	M20 x 1,5	(4,8)	(12,7)	(95,5)	(16,3)	(7,6)	(1,0)	(18,0)	(12,7)
ECO 100 IF (B)	-1,-2,-3,-4	—	—	1-12 UNF	—	—	—	—	—	—	—	—
ECO 100 MF (B)	-1,-2,-3,-4	5.07	5.57	M25 x 1,5	.25	0.62	4.04	.87	.50	.18	.88	.50
ECO 100 MC (B)	-1,-2,-3,-4	(128,8)	(141,5)	M27 x 3,0	(6,4)	(15,7)	(102,6)	(22,0)	(12,7)	(4,6)	(23,0)	(12,7)

Notes: 1. See page 54 for constant damping curves.

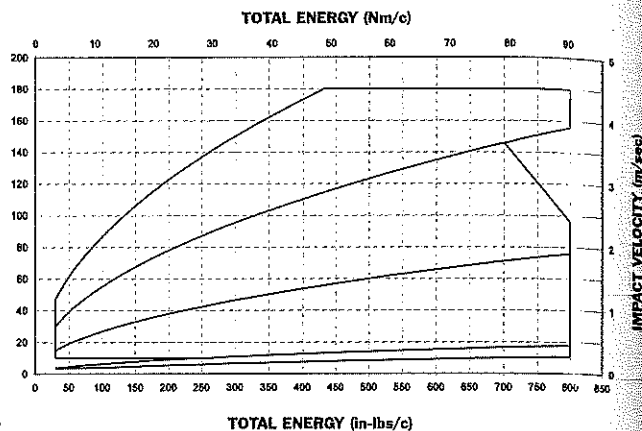
ECO 50 → ECO 225 Series

Non-Adjustable Series

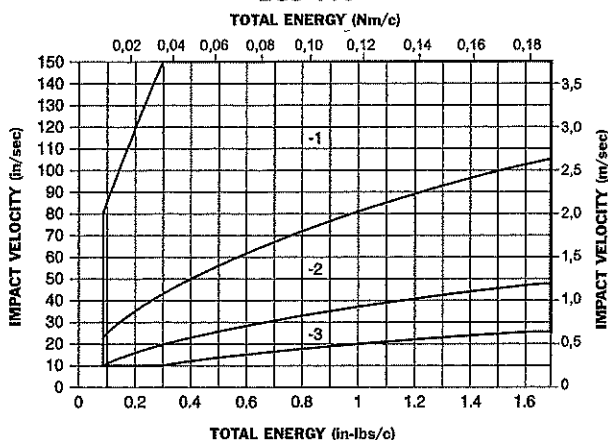
#### ECO 50



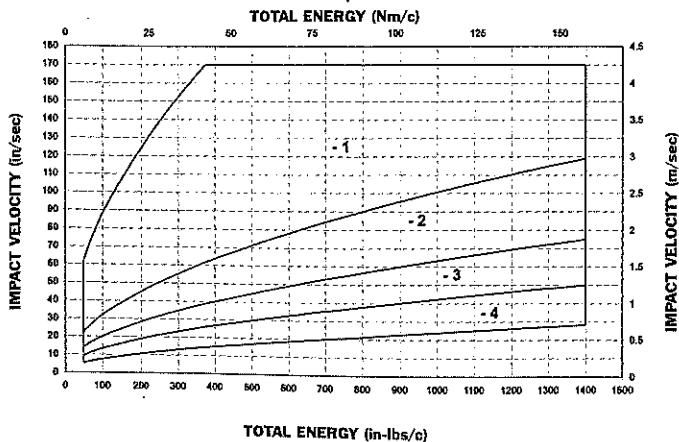
#### ECO 100



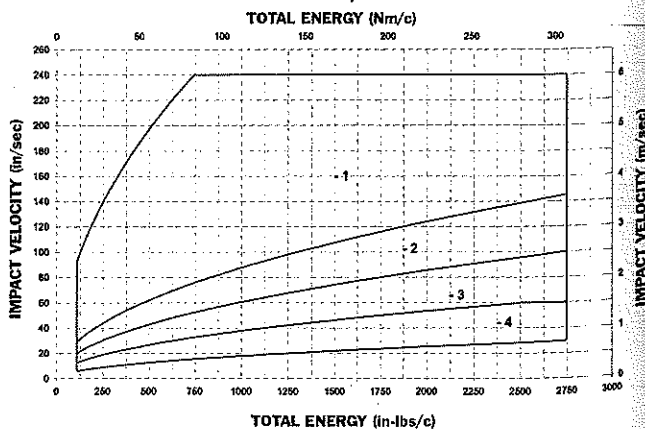
#### ECO 110



#### ECO 120/125



#### ECO 220/225



Note: Minimum impact velocity for ECO models is 4 in./sec. (0,1 m/sec).