

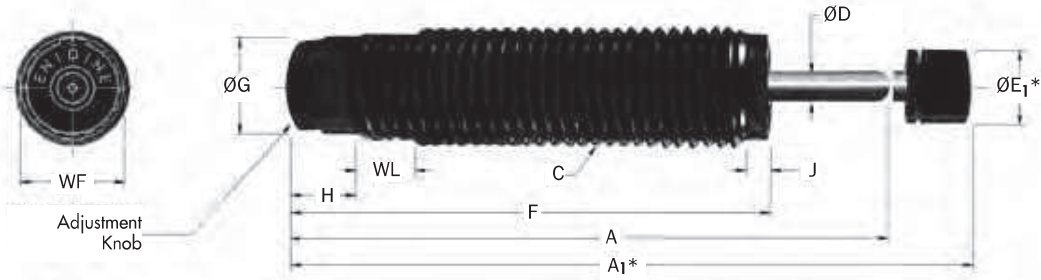
# Adjustable Series Hydraulic Shock Absorbers

## ECO OEM Small Bore Series

### Technical Data

OEM 0.1M → (LR)OEM 1.0 Series

### Standard



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

Catalog No./Model	(S) Stroke in. (mm)	Optimal Velocity Range in./sec. (m/s)	(E <sub>T</sub> ) 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 (mass) oz (g)
						Extended lbs. (N)	Compressed lbs. (N)		
ECO OEM .1M (B)	0.28 (7,0)	12-130 (0,3-3,30)	62 (7,0)	120,000 (13 600)	275 (1 220)	0.5 (2,2)	1.0 (4,5)	80 (350)	1 (28)
ECO OEM .15M (B)	0.38 (10,0)	12-130 (0,3-3,30)	62 (7,0)	185,000 (20 900)	200 (890)	0.8 (3,5)	1.7 (7,5)	80 (350)	2 (56)
ECO OEM .25 (B)	0.38 (10,0)	12-130 (0,3-3,30)	62 (7,0)	195,000 (22 000)	200 (890)	0.8 (3,5)	1.7 (7,5)	80 (350)	2 (56)
ECO LROEM .25 (B)	0.38 (10,0)	3-50 (0,08-1,30)	62 (7,0)	195,000 (22 000)	200 (890)	0.8 (3,5)	1.7 (7,5)	100 (440)	2 (56)
ECO OEM .35 (B)	0.50 (12,7)	12-130 (0,3-3,30)	120 (19,0)	331,000 (37 400)	450 (2 000)	1.0 (4,5)	2.2 (9,8)	120 (530)	3 (85)
ECO LROEM .35 (B)	0.50 (12,7)	3-50 (0,08-1,30)	120 (19,0)	331,000 (37 400)	450 (2 000)	1.0 (4,5)	2.2 (9,8)	200 (890)	3 (85)
ECO OEM .5 (B)	0.50 (12,0)	12-180 (0,3-4,50)	275 (31,0)	311,000 (35 200)	775 (3 500)	1.3 (5,8)	2.8 (12,4)	150 (670)	5 (141)
ECO LROEM .5 (B)	0.50 (12,0)	3-50 (0,08-1,30)	275 (31,0)	311,000 (35 200)	775 (3 500)	2.0 (8,9)	3.8 (17,0)	250 (1 120)	5 (141)
ECO OEM 1.0 (B)	1.00 (25,0)	12-130 (0,3-3,30)	715 (81,0)	681,000 (77 000)	1,000 (4 400)	3.0 (13,0)	6.0 (26,0)	300 (1 330)	10 (285)
ECO LROEM 1.0 (B)	1.00 (25,0)	3-50 (0,08-1,30)	715 (81,0)	681,000 (77 000)	1,000 (4 400)	3.0 (13,0)	6.0 (27,0)	450 (2 016)	10 (285)
ECO OEM 1.0MF (B)	1.00 (25,0)	12-130 (0,3-3,30)	715 (81,0)	681,000 (77 000)	1,000 (4 400)	3.0 (13,0)	6.0 (26,0)	300 (1 330)	10 (285)
ECO LROEM 1.0MF (B)	1.00 (25,0)	3-50 (0,08-1,30)	715 (81,0)	681,000 (77 000)	1,000 (4 400)	3.0 (13,0)	6.0 (27,0)	450 (2 016)	10 (285)

Catalog No./Model	A in. (mm)	A <sub>1</sub> in. (mm)	C in. (mm)	D in. (mm)	E <sub>1</sub> in. (mm)	F in. (mm)	G in. (mm)	H in. (mm)	J in. (mm)	WF in. (mm)	WL in. (mm)
ECO OEM 0.1M (B)	2.25 (57,0)	2.63 (67,0)	M10 x 1,0	.12 (3,0)	0.34 (8,6)	1.95 (49,4)	.34 (8,6)	.40 (10,2)	-	-	-
ECO OEM .15M (B)	3.22 (81,8)	3.61 (91,7)	M12 x 1,0	.13 (3,3)	0.34 (8,6)	2.81 (71,4)	.43 (10,9)	.56 (14,2)	-	.43 (11,0)	.38 (9,7)
ECO (LR)OEM .25 (B)	3.22 (81,8)	3.59 (91,2)	½-20 UNF	.13 (3,3)	0.44 (11,2)	2.81 (71,4)	.43 (10,9)	.56 (14,2)	-	.44 (12,0)	.50 (12,7)
ECO (LR)OEM .25M (B)	3.22 (81,8)	3.59 (91,2)	M14 x 1,5	.13 (3,3)	0.44 (11,2)	2.81 (71,4)	.43 (10,9)	.56 (14,2)	-	.44 (12,0)	.50 (12,7)
ECO (LR)OEM .35 (B)	3.96 (100,6)	4.36 (110,7)	¾-18 UNF	.16 (4,0)	0.44 (11,2)	3.44 (87,4)	.44 (11,2)	.57 (14,5)	.02 (0,5)	.50 (14,0)	.50 (12,7)
ECO (LR)OEM .35M (B)	3.96 (100,6)	4.36 (110,7)	M16 x 1,5	.16 (4,0)	0.44 (11,2)	3.44 (87,4)	.44 (11,2)	.57 (14,5)	.02 (0,5)	.50 (14,0)	.50 (12,7)
ECO (LR)OEM .5 (B)	3.88 (98,6)	4.35 (110,5)	¾-16 UNF	.19 (4,8)	0.50 (12,7)	3.31 (84,1)	.63 (16,0)	.67 (17,0)	-	.68 (18,0)	.50 (12,7)
ECO (LR)OEM .5M (B)	3.88 (98,6)	4.35 (110,5)	M20 x 1,5	.19 (4,8)	0.50 (12,7)	3.31 (84,1)	.63 (16,0)	.67 (17,0)	-	.68 (18,0)	.50 (12,7)
ECO (LR)OEM 1.0 (B)	5.12 (130,0)	5.62 (142,7)	1-12 UNF	.25 (6,4)	0.62 (15,7)	4.09 (104,0)	.87 (22,0)	.55 (14,0)	.18 (4,6)	.88 (23,0)	.50 (12,7)
ECO (LR)OEM 1.0M (B)	5.12 (130,0)	5.62 (142,7)	M27 x 3,0	.25 (6,4)	0.62 (15,7)	4.09 (104,0)	.87 (22,0)	.55 (14,0)	.18 (4,6)	.88 (23,0)	.50 (12,7)
ECO (LR)OEM 1.0MF (B)	5.12 (130,0)	5.62 (142,7)	M25 x 1,5	.25 (6,4)	0.62 (15,7)	4.09 (104,0)	.87 (22,0)	.55 (14,0)	.18 (4,6)	.88 (23,0)	.50 (12,7)

Notes: 1. All shock absorbers will function satisfactorily at 5% of their maximum rated energy per cycle. If less than 5%, a smaller model should be specified.  
 2. For mounting accessories, see pages 22-23.  
 3. (B) indicates button model of shock absorber. Buttons cannot be added to non-button models or removed from button models OEM .1M to OEM 1.0M.