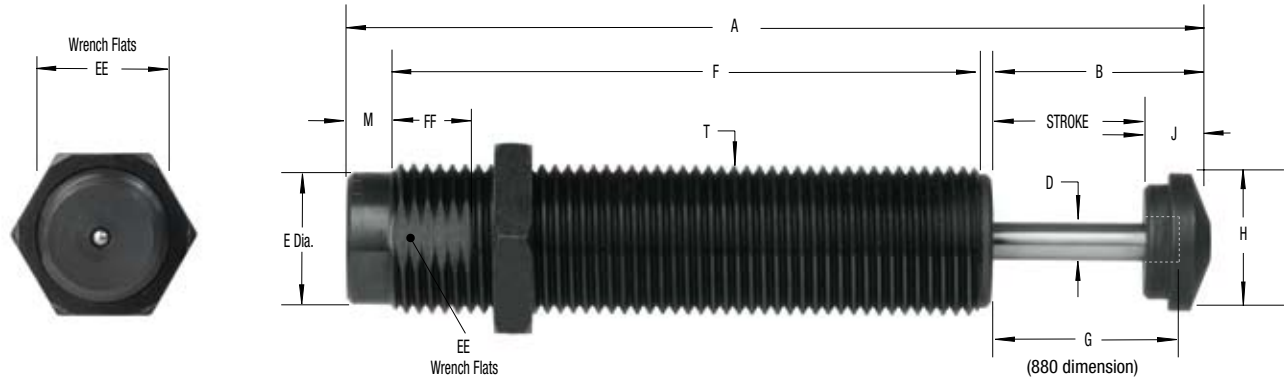


Soft Contact and Self-Compensating



See page 45 for steel button/urethane cap assembly (-BP) dimensions.

Dimensions in inches (millimeters)

Model	Stroke	A	B	D	E	F	G	H	J	M	T	EE	FF
SC 190	.63	4.50	1.06	.16	.46	3.00	.88	.47	.43	.28	9/16-18 UNF	1/2	.50
SC 190M	(16.0)	(114.3)	(26.9)	(4.1)	(11.7)	(76.2)	(22.4)	(11.9)	(11.0)	(7.1)	M14x1.5	(12.0)	(12.7)
SC 300	.75	4.62	1.18	.19	.66	3.09	1.00	.66	.43	.28	3/4-16 UNF	11/16	.50
SC 300M	(19.1)	(117.5)	(30.0)	(4.8)	(16.8)	(78.5)	(25.4)	(16.8)	(11.0)	(7.1)	M20x1.5	(18.0)	(12.7)
SC 650	1.00	5.62	1.43	.25	.87	3.83	1.25	.90	.43	.28	1-12 UNF	7/8	.50
SC 650M	(25.4)	(142.6)	(36.3)	(6.3)	(22.1)	(97.3)	(31.8)	(22.9)	(11.0)	(7.1)	M25x1.5	(23.0)	(12.7)
SC 925	1.58	7.44	2.01	.25	.87	5.1	1.82	.90	.43	.28	1-12 UNF	7/8	.50
SC 925M	(40.0)	(189.1)	(51.1)	(6.3)	(22.1)	(129.5)	(46.4)	(22.9)	(11.0)	(7.1)	M25x1.5	(23.0)	(12.7)

29

Specifications

Model	Soft Contact We	Self-Compensating We	E ₃	E ₄	Return Force	Return Time	Shipping Weight
	Effective Weight lbs (kg)	Effective Weight lbs (kg)	Energy per Cycle in lbs (Nm)	Energy per Hour in lbs/hour (Nm/hour)	lbs (N)	sec	lbs (kg)
SC 190-1	5 - 13 (2 - 6)	3 - 15 (1.4 - 7)					
SC 190-2	12 - 36 (5 - 16)	8 - 40 (4 - 18)	225 (25)	300,000	0.90 - 1.90	0.25	0.18
SC 190-3	30 - 90 (14 - 41)	20 - 100 (9 - 45)	*300 (33)	(34,000)	(4.00 - 8.95)		(0.08)
SC 190-4	75 - 200 (34 - 91)	50 - 225 (23 - 102)					
SC 300-1	5 - 15 (2 - 7)	3 - 18 (1.4 - 8)					
SC 300-2	15 - 50 (7 - 23)	10 - 60 (5 - 27)	300 (33)	400,000	1.05 - 2.15	0.10	0.25
SC 300-3	50 - 150 (23 - 68)	30 - 180 (14 - 82)	*500 (56)	(45,000)	(4.67 - 9.56)		(0.11)
SC 300-4	150 - 400 (68 - 181)	70 - 450 (32 - 204)					
SC 650-1	24 - 80 (11 - 36)	17 - 100 (8 - 45)					
SC 650-2	75 - 250 (34 - 113)	50 - 300 (23 - 136)	650 (73)	600,000	2.40 - 6.87	0.20	0.67
SC 650-3	240 - 800 (109 - 363)	150 - 900 (68 - 408)	*1,000 (113)	(68,000)	(10.67 - 30.55)		(0.31)
SC 650-4	800 - 2400 (363 - 1089)	450 - 2600 (204 - 1180)					
SC 925-1	50 - 160 (22 - 72)	30 - 200 (14 - 90)					
SC 925-2	130 - 460 (59 - 208)	90 - 600 (40 - 272)	975 (110)	800,000	2.40 - 7.40	0.40	0.87
SC 925-3	400 - 1,350 (181 - 612)	250 - 1,600 (113 - 726)	*1,700 (192)	(90,000)	(10.67 - 30.55)		(0.39)
SC 925-4	1200 - 4300 (544 - 1952)	750 - 4600 (340 - 2088)					

* Hydro shock energy ratings. Consult factory.

Technical Data

Impact velocity range: 0.5 to 12 ft/sec (0.15 to 3.66 m/sec)

Operating temperature: 32° to 150°F (0° to 66°C)

Mechanical stop: Integral mechanical stop built into front of units.

Oil type: ACE #5

Materials: Steel body with Weartec Plus finish. Hardened stainless steel piston rod.

Technical data applies to standard and metric threaded models.

Maximum side load depends on application. For additional information contact ACE Controls' Applications Department.

Lock nut included with each shock absorber.