



Shock absorber

SCK Series

● Max. energy absorption: 0.049 to 588 J



Specifications

Descriptions	SCK																																															
	Series	0.005	0.01	0.03	0.3	0.6	1.2	2.6	6.5	8	12	20	30	40	60	0.25M	0.5M	1.0M																														
Type/Classification	Spring return type without adjuster			Spring return type with adjuster												Spring return type with adjuster (thread pitch: large)																																
Max. energy absorption (J)	0.049	0.098	0.294	2.94	5.88	11.8	25.5	63.7	78.4	118	196	294	392	588	3.43	11.8	74.5																															
Stroke length mm	7			10			15			25			40			60			70			10			15			30																				
Max. energy absorption per hour	0.135			0.27			0.98			8.1			10.8			21.6			39			78			86.4			108			126			120			144			9.2			21.2			80.5		
Max. colliding speed m/s	1.0			1.5			2.0			2.5			3.0			4.0			1.0			2.0			2.5																							
Max. operating frequency Cycle/min.	45			30			25			20			18			12			9			7			5			4			45			30			18											
Ambient temperature °C	-10 to 80																																															
Max. load N	39			59			147			540			1000			1400			3100			4600			5700			8600			9000			10000			15000			630			1440			4560		
Return time S	0.3 or less			0.4 or less			0.5 or less			0.6 or less			0.4 or less			0.5 or less																																
Product weight kg	0.02			0.04			0.07			0.2			0.32			0.63			1.17			1.25			1.39			1.45			2.05			0.05			0.13			0.39								
Return spring force	When extended N			1.2			2.0			5.9			5.9			6.9			12.0			20.0			29.0			3.9			5.5			7.6														
	When compressed N			2.6			5.0			10.5			11.3			17.2			30.0			39.0			51.0			68.0			75.0			84.0			8.4			11.5			21.0					
Copper and PTFE free specifications	Standard																																															

Note: Min. energy absorption should be 1/5 of max. energy absorption.

How to order

SCK - 00 - 0.3 - N1

Ⓐ Mounting style

Ⓑ Series

Ⓒ Option

Symbol	Descriptions
Ⓐ Mounting style	
00	Basic type
FA	Flange type
Ⓑ Series (max. energy value)	
0.005	0.049 J
0.01	0.098 J
0.03	0.294 J
0.3	2.94 J
0.6	5.88 J
1.2	11.8 J
2.6	25.5 J
6.5	63.7 J
8	78.4 J
12	118 J
20	196 J
30	294 J
40	392 J
60	588 J
0.25M	3.43 J
0.5M	11.8 J
1.0M	74.5 J
Ⓒ Option	
Blank	Standard
N1	With stop nut

⚠ Note on model no. selection

Note 1: 3 hexagon nuts are provided for N1 specifications products.

<Example of model number>

SCK-00-0.3-N1

Model: Shock absorber

Ⓐ Mounting style: Basic type

Ⓑ Series : MAX energy
2.94 J

Ⓒ Option : With stop nut

How to order options

● Flange bracket (1 pc.)

SCK - 0.01 - FA

Ⓑ Series

● Stop nut + hexagon nut (each 1 pc.)

SCK - 0.01 - N1

Ⓑ Series

● Hexagon nut (1 pc.)

SCK - 0.01 - NT

Ⓑ Series