



Pneumatic Cylinders
Catalog No. CB-029SA

Shock absorber

NCK Series

● Max. energy absorption: 1 to 200J



Specifications

Item	NCK							
	0.1	0.3	0.7	1.2	2.6	7	12	20
Series								
Type/Classification	Without adjuster Spring return							
Max. energy absorption J	1	3	7	12	26	70	120	200
O.D. thread size mm	M 8 x 0.75		M 10 x 1.0	M 12 x 1.0	M 14 x 1.5	M 20 x 1.5	M 25 x 1.5	M 27 x 1.5
Stroke mm	4.5	6	8	10	15	20	25	30
Hourly Max. energy absorption kJ/hr	4.8	6.3	12.6	21.6	39.0	84.0	86.4	108.0
Max. colliding speed m/s	1.0	1.5		2.0		2.5	3.0	
Max. operating frequency cycles/min.	80	35	30		25	20	12	9
Ambient temperature °C	-10 to 80							
Max. load (resistance) N	525	1150	2010	2750	4000	7980	10950	15380
Return time S	0.3 or less					0.4 or less		0.5 or less
Weight kg	0.009	0.012	0.02	0.04	0.07	0.2	0.3	0.45
Return	When extended N		2.9	2.0	2.9	5.9	9.8	16.3
Spring force	When compressed N		4.5	4.3	5.9	11.8	21.6	33.3

Compatibility table by variation

Applicable size	Basic	P4	●
		P40	●

●: Applicable models ○: Semi-applicable models ▲: Contact CKD for details. □: Not applicable

How to order

NCK - **00** - **0.7** - **N1** - **P4 P40**

A Mounting

B Series

C Option
*1

Code	Description
A Mounting	
00	Basic
FA	Flange
B SyrieS (max. energy value)	
0.1	1J
0.3	3J
0.7	7J
1.2	12J
2.6	26J
7	70J
12	120J
20	200J
C Option	
Blank	Standard
N1	With stop nut
C	Capped

Precautions for model No. selection

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

P4
Series

Pneumatic cylinders
Hand/Chuck
Pneumatic actuator
Related products
Cylinder
Switch

Vacuum components
Pneumatic valves

Clean air components
Speed controller
Fitting
Auxiliary valve
Silencer
Tube
Pneumatic auxiliary components

Gas generator
Fluid control components

Motor specification
Motorless specifications
Electric actuator