



SINGLE ACTING **D7N-2**

Specification

Type	D7N-2B	D7N-2S
Tube I.D.	$\Phi 6$ 、 10 、 15	
Power fluid	Filtered air with or without lubrication	
The range of pressure	$\Phi 6$: $2 \sim 7 \text{ kgf/cm}^2$ $\Phi 10$ 、 $\Phi 15$: $1.5 \sim 7 \text{ kgf/cm}^2$	
Proof pressure	10 kgf/cm^2	
The range of temperature	$-5 \sim +60 \text{ }^\circ\text{C}$ (No freeze)	
Material of cylinder barrel	Stainless steel	

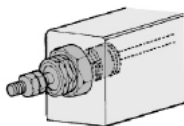
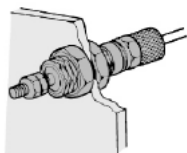
How to order

D7N - 2B	—	10	—	15	—	N
Type		Tube I.D.		Stroke		Rod end type
 Panel mounting type : D7N-2B		6 : $\Phi 6$ 10 : $\Phi 10$ 15 : $\Phi 15$		Please see stroke table		N : no thread No code : male thread in rod end
 Plug mounting type : D7N-2S						

Application examples

- Clamper
- Ejector
- Gripper
- Stopper

Installation type



B : Panel mounting type

S : Plug mounting type

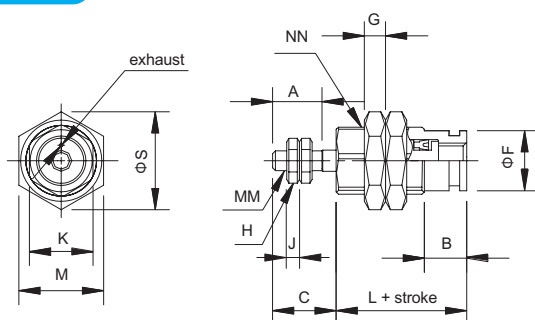
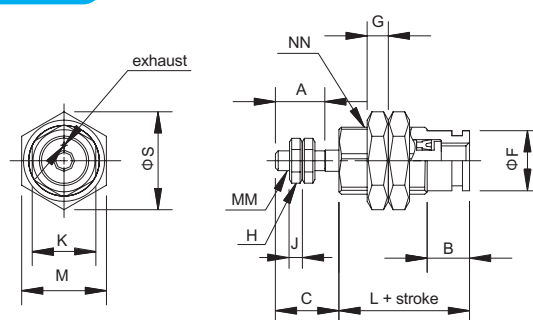
Stroke table

Tube I.D.	Stroke (mm)
$\Phi 6$ 、 10 、 15	5, 10, 15

Theoretic force

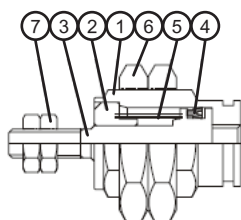
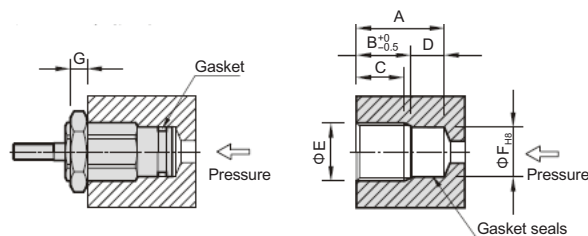
1N = 0.1kgf
 1MPa = 10.2kgf/cm² Unit : kgf

Tube I.D.	Operation direction	Operating pressure (kgf/cm ²)		
		3	5	7
$\Phi 6$	OUT	0.84	1.41	1.90
	IN	0.142		
$\Phi 10$	OUT	2.35	3.92	5.49
	IN	0.245		
$\Phi 15$	OUT	5.30	8.83	12.37
	IN	0.441		

D7N-2B Standard type / Dimensional features

D7N-2S Embedded mounting type / Dimensional features

Dimensional Table

© st = stroke

Mark Tube I.D.	A	B	C	F	G	H	J	K	L			M	NN	MM	S
									5st	10st	15st				
Φ6	7	6	9	8.5	3	8.5	2.4	9	18.5	25.5	32.5	12	M10x1.0	M3x0.5	13.9
Φ10	10	6	12	12	4	11	3.2	13	20.5	27	34	19	M15x1.5	M4x0.7	22
Φ15	12	7	14	19	5	17.5	4	20	23.5	29.5	36	27	M22x1.5	M5x0.8	31

D7N - 2 Inside structure

D7N - 2 Embedded mounting type / Processing dimensions

Part List

No.	Part name	Material		
		Φ6	Φ10	Φ16
1	Body	Copper alloy		
2	Cover	Copper alloy		
3	Piston rod	Stainless steel		
4	Piston gasket	NBR		
5	Spring	Music wire		
6	Lock nut	Copper alloy		
7	Adjusting nut	Copper alloy	Carbon Steel	

Dimensional Table

Tube I.D.	Mark Stroke	A	B	C	D	E	F	G
Φ6	5	16	12.5	10	3.5	M10x1.0	8.5	3
	10	23	19.5	17				
	15	30	26.5	24				
Φ10	5	17	13.5	10.5	3.5	M15x1.5	12	4
	10	23.5	20	17				
	15	30.5	27	24				
Φ15	5	19	14.5	11.5	4.5	M22x1.5	19	5
	10	25	20.5	17.5				
	15	31.5	27	24				