

NLPD Series

Precise Table Cylinder

Bore size : Ø6, Ø8, Ø12, Ø16, Ø20, Ø25, Ø32



- High strength and precision achieved with the adoption of a circulating linear guide
- Increased adhesion of the workpiece, improved fixture stability
- Various option configurations
- Increased output with dual cylinders

How to Order



1 Specifications for Secondary Battery Compatibility

No Symbol: Standard Type

ZB: Secondary Battery Compatible Series

2 Cylinder Bore Size:

06: Ø6
08: Ø8
12: Ø12
16: Ø16
20: Ø20
25: Ø25
32: Ø32

3 Stroke

Ø6 : 10, 20, 30, 40, 50
Ø8 : 10, 20, 30, 40, 50, 75
Ø12 - 10, 20, 30, 40, 50, 75, 100
Ø16 - 10, 20, 30, 40, 50, 75, 100, 125
Ø20 - 10, 20, 30, 40, 50, 75, 100, 125, 150
Ø25 - 10, 20, 30, 40, 50, 75, 100, 125, 150
Ø32 - 30, 75, 100

4 Stroke Adjustment Bolt and Adjustment Range

1. Rubber DAMPER Type

RF: Forward Stroke Adjustment Bolt
RB: Backward Stroke Adjustment Bolt
R: Both Ends Adjustment Bolt (RF+RB)

Adjustment Length: 5mm, 15mm, 25mm

***No Symbol:** 5mm

Assembly Position

No Symbol: Left Side (Based on Front View)

R: Right Side

2. Shock-Absorber Attached Type

SF: Forward Stroke Adjustment Bolt
SB: Backward Stroke Adjustment Bolt
S: Both Ends Adjustment Bolt (SF+SB)

Assembly Position

No Symbol: Left Side (Based on Front View)

R: Right Side

3. Metal Stopper (Custom Order Specification)

MF: Forward Stroke Adjustment Bolt
MB: Backward Stroke Adjustment Bolt
M: Both Ends Adjustment Bolt (MF+MB)

Adjustment Length: Same as Rubber DAMPER Type

5 Auto Switch Type

No Symbol: No Auto Switch

W8H: Reed Type (Horizontal)

W8V: Reed Type (Vertical)

W9H: Solid State Type (Horizontal)

W9V: Solid State Type (Vertical)

W9HN: Solid State Type (NPN), 3-Wire

W10V: Solid State Type (Vertical)

W9HP: Solid State Type (PNP), 3-Wire

W20H: Solid State Type (Horizontal), (2-Color Indicator)

***Note:** For switch details, refer to Auto Switch catalog.

***Note:** For 3m lead wire length, add "L" to the end of the product number.

No Symbol: 1m Standard

(Example: W8HL, W9VL)

[NLPD08 model can only apply Horizontal Type (H Type) switches.]

6 Auto Switch Symbol

No Symbol: 2 pcs Attached

S: 1 pcs Attached

n: n pcs Attached

*** POS - Smooth Piston Operation**

Precision Table Cylinder *NLPD* Series



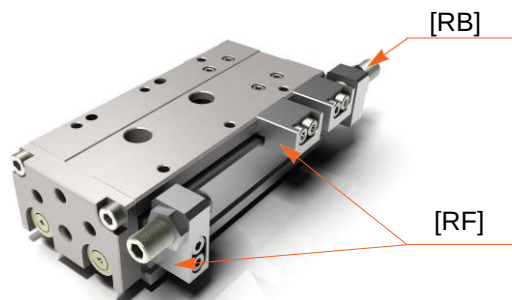
Specifications

Bore size	6, 8, 12, 16, 20, 25, 32
Fluid	Air
Acting	Double acting
Operating pressure	0.15~0.7Mpa(1.5~7kgf/cm ²)
Proof pressure	1.05Mpa(10.7kgf/cm ²)
Ambient and fluid temperature	-10~60°C (no freezing)
Operating speed	50~500mm/s(metal stopper : 50~200mm/s)
Lubrication	Non-lube
Auto switch(optional)	Reed switch : DC(24V)/AC(110V) Solid state switch : DC(24V)
Stroke tolerance	0~+1mm
Option(stroke adjust)	Urethane damper / shock absorber / metal stopper

Options

Stroke adjuster

- Extension end [RF]
- Retraction end [RB]
- Both ends [R]
- ▶ Adjustment range : 0~5mm (standard)



※ Right side when viewed from the front

Standard stroke

Item	Standard stroke								
	10	20	30	40	50	75	100	125	150
NLPD06	○	○	○	○	○	-	-	-	-
NLPD08	○	○	○	○	○	○	-	-	-
NLPD12	○	○	○	○	○	○	○	-	-
NLPD16	○	○	○	○	○	○	○	○	-
NLPD20	○	○	○	○	○	○	○	○	○
NLPD25	○	○	○	○	○	○	○	○	○
NLPD32	-	-	○	-	-	○	○	-	-

NLPD Series

Weight

(Unit : g)

Item	Standard stroke(mm)								
	10	20	30	40	50	75	100	125	150
NLPD06	82	97	115	133	156	—	—	—	—
NLPD08	145	155	185	230	280	410	—	—	—
NLPD12	320	320	320	370	460	620	820	—	—
NLPD16	650	650	660	740	890	1150	1350	1580	—
NLPD20	885	908	1004	1094	1178	1403	1920	2180	2460
NLPD25	1480	1510	1600	1735	1845	2170	3023	3415	3785
NLPD32	—	—	2500	—	—	3360	4340	—	—

Theoretical output table

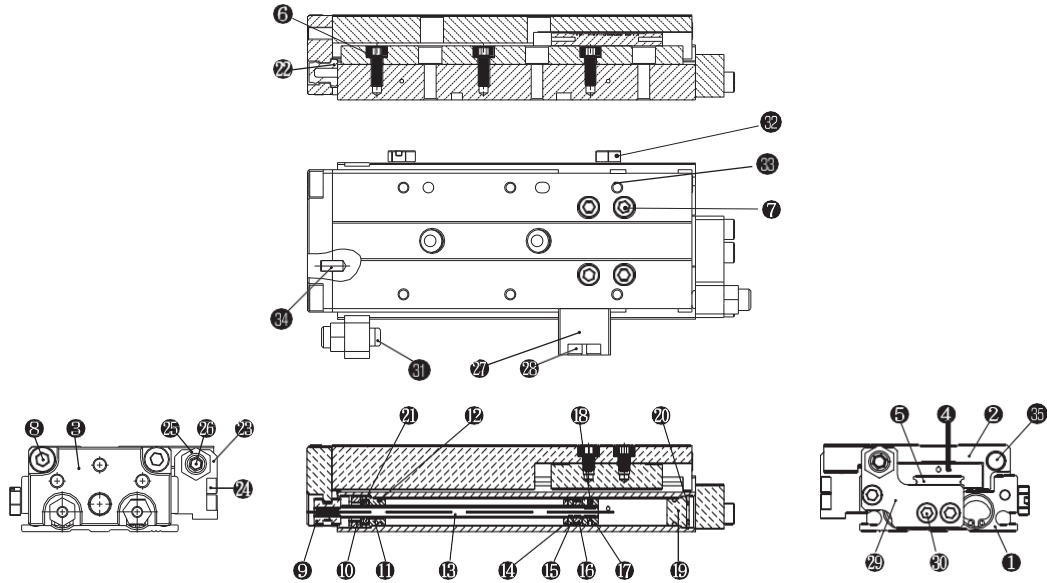
Unit:N

Item	Rod dia. (mm)	Operation	Pressing area (mm ²)	Operating pressure(Mpa)					
				0.2	0.3	0.4	0.5	0.6	0.7
NLPD06	3	Extension	57	11	17	23	29	34	40
		Retraction	42	8	13	17	21	25	29
NLPD08	4	Extension	101	20	30	40	51	61	71
		Retraction	75	15	23	30	38	45	53
NLPD12	6	Extension	226	45	68	90	113	136	158
		Retraction	170	34	51	68	85	102	119
NLPD16	8	Extension	402	80	121	161	201	241	281
		Retraction	302	60	91	121	151	181	211
NLPD20	10	Extension	628	126	188	251	314	377	440
		Retraction	471	94	141	188	236	283	330
NLPD25	12	Extension	982	196	295	393	491	589	687
		Retraction	756	151	227	302	378	454	529
NLPD32	16	Extension	1608	322	482	643	804	965	1126
		Retraction	1206	241	362	482	603	724	844

* Theoretical output[N] = pressure[Mpa] x hydraulic area[mm²]

1N≒0.102kgf, 1Mpa≒10.2kgf/cm²

Structure Ø 6, 8

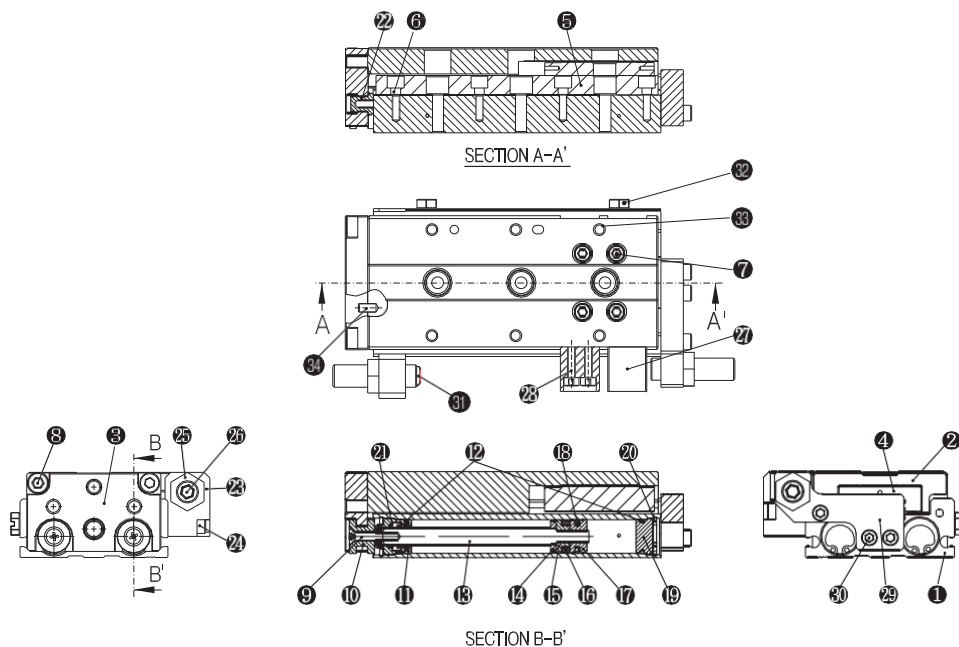


Parts List

No	Component	Standard type		2B type	
		Material	Remark	Material	Remark
1	Body	Aluminum alloy	White anodized	Aluminum alloy	White anodized
2	Table	Aluminum alloy	White anodized	Aluminum alloy	White anodized
3	Plate	Aluminum alloy	White anodized	Aluminum alloy	White anodized
4	LM block	-		-	
5	LM rail	-		-	
6					
7	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
8					
9	Retainer A	Stainless steel	For Ø6	Stainless steel	For Ø6
		Copper	Electroless nickel plated(For Ø8)	Free cutting steel	Electroless nickel plated(For Ø8)
10	Tube spacer	Copper	Electroless nickel plated	Aluminum alloy	
11	Rod cover	Copper	Electroless nickel plated(For Ø6)	Aluminum alloy	White anodized
		Aluminum alloy	White anodized(For Ø8)		
12	Gasket	NBR		NBR	
13	Piston rod	Stainless steel	Hard chrome plated	Stainless steel	Hard chrome plated
14	Bumper	Urethane		Urethane	
15	Piston spacer	Copper	Electroless nickel plated	Aluminum alloy	
16	Magnet	Neodim		Neodim	Electroless nickel plated
17	Piston	Copper	For Ø6	Aluminum alloy	
		Aluminum alloy	For Ø8		
18	Piston packing	NBR		NBR	
19	Head cover	Aluminum alloy	White anodized	Aluminum alloy	White anodized
20	Snap ring	Carbon steel	Nickel plated	Carbon steel	Electroless nickel plated
21	Rod packing	NBR		NBR	
22	Plate bumper	Urethane		Urethane	
23	Bumper plate A	Aluminum alloy	White anodized	Aluminum alloy	White anodized
24	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
25	Mounting nut	Copper	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
26	Bumper holder	Carbon steel	Nickel plated	Carbon steel	Electroless nickel plated
27	Bumper plate B	Aluminum alloy	White anodized	Aluminum alloy	White anodized
28	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
29	Bumper plate C	Aluminum alloy	White anodized	Aluminum alloy	White anodized
28	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
31	Plate bumper	Urethane		Urethane	
32	Plug-F	Stainless steel		Stainless steel	
33	Heli coil	Stainless steel		Stainless steel	
34	Dow el pin	Stainless steel		Stainless steel	
35	Stopper	Chromium Molybdenum Steel	질산은착색	Chromium Molybdenum Steel	Electroless nickel plated

NLPD Series

Structure Ø12, 16



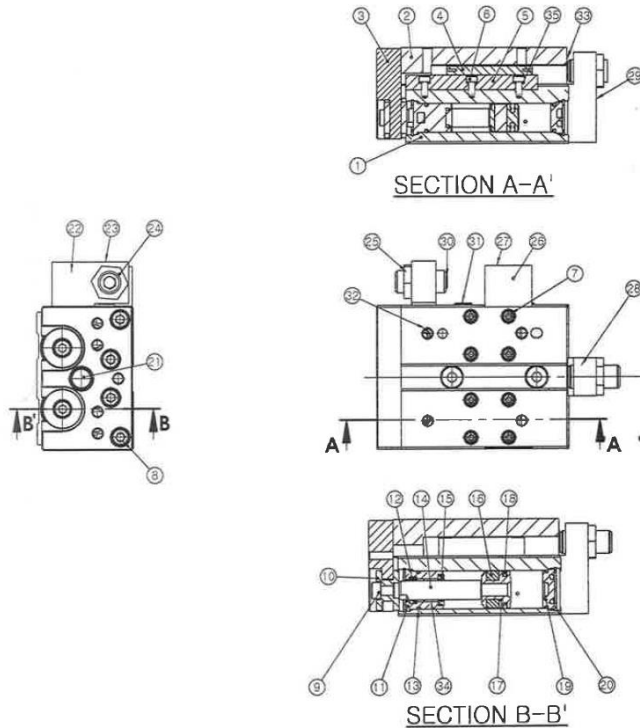
Part list

No	Component	Standard type		2B type	
		Material	Remark	Material	Remark
1	Body	Aluminum alloy	White anodized	Aluminum alloy	White anodized
2	Table	Aluminum alloy	White anodized	Aluminum alloy	White anodized
3	Plate	Aluminum alloy	White anodized	Aluminum alloy	White anodized
4	LM block	-	-	-	-
5	LM rail	-	-	-	-
6	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
7					
8					
9	Flat head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
10	Retainer A	Copper	Electroless nickel plated	Stainless steel	
11	Rod cover	Aluminum alloy	White anodized	Aluminum alloy	White anodized
12	Gasket(o-ring)	NBR		NBR	
13	Piston rod	Stainless steel	Hard chrome plated	Stainless steel	Hard chrome plated
14	Bumper	Urethane		Urethane	
15	Magnet guide	Aluminum alloy		Aluminum alloy	
16	Magnet ring	Neodim		Neodim	Electroless nickel plated
17	Piston rod	Aluminum alloy		Aluminum alloy	
18	Piston packing	NBR		NBR	
19	Head cover	Aluminum alloy	White anodized	Aluminum alloy	White anodized
20	Snap ring	Carbon steel	Nickel plated	Carbon steel	Electroless nickel plated
21	Rod packing	NBR		NBR	
22	Plate bumper	Urethane		Urethane	
23	Bumper plate A	Aluminum alloy	White anodized	Aluminum alloy	White anodized
24	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
25	Nut	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
26	Bumper holder	Carbon steel	Electroless nickel plated	Carbon steel	Electroless nickel plated
27	Bumper plate B	Aluminum alloy	White anodized	Aluminum alloy	White anodized
28	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
29	Bumper plate C	Aluminum alloy	White anodized	Aluminum alloy	White anodized
30	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
31	Plate bumper	Urethane		Urethane	
32	Plug-F	Stainless steel		Stainless steel	
33	Helic coil	Stainless steel		Stainless steel	
34	Dow el pin	Stainless steel		Stainless steel	

Packing list/ Maintenance part

No	Component	Material	Part number			
			NLPD06	NLPD08	NLPD12	NLPD16
18	Piston packing	NBR	TC1P006-15-1693-PL	K63-008S	TPSA-12	TPSA-16
21	Rod packing		EM0301-P5010-PL	MYA-4	ORA-6-PL	PDU-8Z
12	Tube gasket		TC1P006-16A1693-PL	TC2M020-16-1385-PL	C-10	CA80-1609K-PL

Structure Ø20, 25, 32



Parts list

No	Component	Standard type		2B type	
		Material	Remark	Material	Remark
1	Body	Aluminum alloy	White anodized	Aluminum alloy	White anodized
2	Table	Aluminum alloy	White anodized	Aluminum alloy	White anodized
3	Plate	Aluminum alloy	White anodized	Aluminum alloy	White anodized
4	LM block	-		-	
5	LM rail	-		-	
6	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
7					
8					
9					
10	Retainer A	Stainless steel		Stainless steel	
11	Rod cover	Aluminum alloy	White anodized	Aluminum alloy	White anodized
12	Rod packing	NBR		NBR	
13	Tube gasket	NBR		NBR	
14	Piston rod	Stainless steel	Hard chrome plated	Stainless steel	Hard chrome plated
15	Bumper	Urethane		Urethane	
16	Magnet	NEODIUM		NEODIUM	Electroless nickel plated
17	Piston	Aluminum alloy		Aluminum alloy	
18	Piston packing	NBR		NBR	

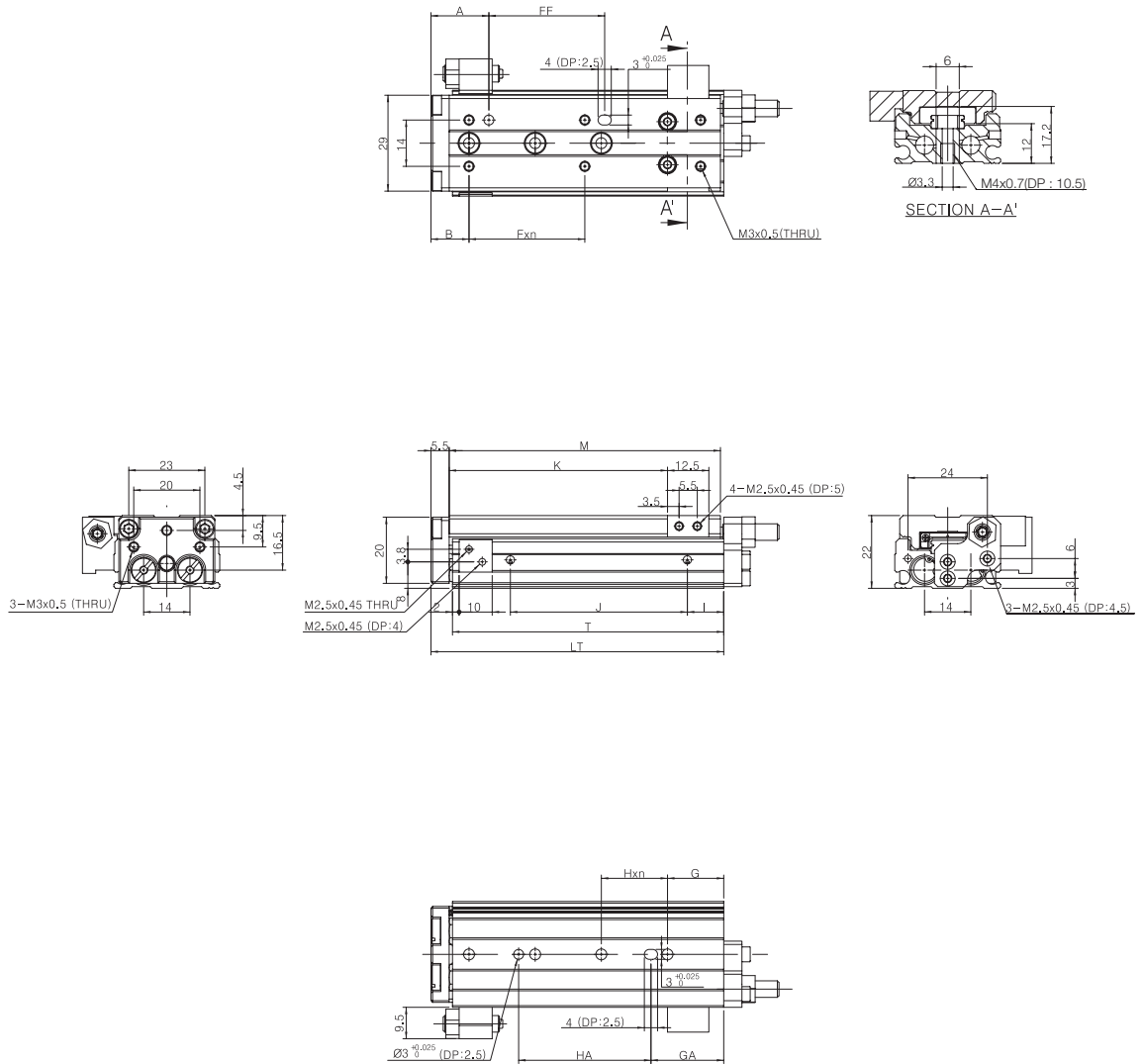
No	Component	Standard type		2B type	
		Material	Remark	Material	Remark
19	Head cover	POM	For Ø20	POM	For Ø20
		Aluminum alloy	For Ø25, Ø32	Aluminum alloy	For Ø25, Ø32
20	Snap ring	Carbon steel	Nickel plated	Carbon steel	Electroless nickel plated
21	Plate bumper	Urethane		Urethane	
22	Bumper plate A	Aluminum alloy	White anodized	Aluminum alloy	White anodized
23	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
24	Nut	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
25	Bumper holder	Carbon steel	Electroless nickel plated	Carbon steel	Electroless nickel plated
26	Bumper plate B	Aluminum alloy	White anodized	Aluminum alloy	White anodized
27	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
28	Bumper plate C	Aluminum alloy	White anodized	Aluminum alloy	White anodized
29	Hexagon socket head screw	Chromium Molybdenum Steel	Nickel plated	Chromium Molybdenum Steel	Electroless nickel plated
30	Plate bumper	Urethane		Urethane	
31	Plug-F	Stainless steel		Stainless steel	
32	Heli coil	Stainless steel		Stainless steel	
33	Stopper	Chromium Molybdenum Steel	silver nitrate	Chromium Molybdenum Steel	Electroless nickel plated
34	Bush	Sintered metal		Iron	
35	Spring washer	Stainless steel	Not available for Ø25, Ø32	Stainless steel	Not available for Ø25, Ø32

Packing list / Maintenance part

No	Component	Material	Part number		
			NLPD20	NLPD25	NLPD32
18	Piston packing	NBR	TPSA-20	TPSA-25	TPSA-32
12	Rod packing		PDU-10Z	PDU-12Z	PDU-16Z
13	Tube gasket		C-18	C-23	C-29

NLPD Series

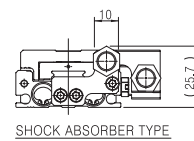
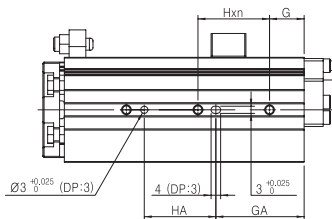
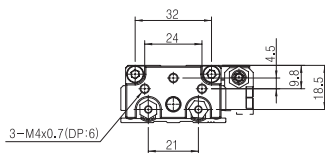
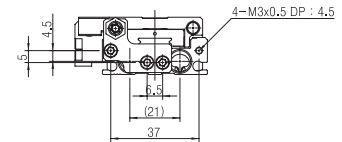
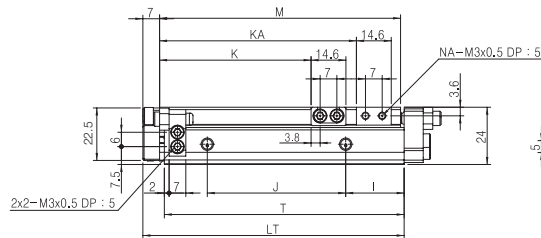
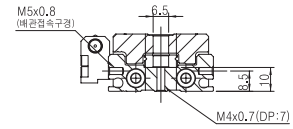
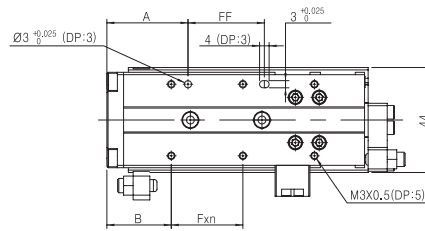
NLPD06 치수도



STROKE	A	B	Fxn	FF	G	Hxn	GA	HA	I	J	K	M	T	LT
50	17.5	11.5	35x2	35	17	20x3	22	40	11	54.5	66	82	82	88.5
40	21.5	15.5	26x2	26	11	20x3	25	20	7.5	47	56	70	70	76.5
30	22.5	17.5	20x2	20	20	20x1	26	20	7.5	37	46	60	60	66.5
20	19.5	11.5	25x1	28	12	25x1	17	26	8.5	25	36	50	50	56.5
10	21.5	16.5	20x1	20	6	22x1	12	25	9.5	15	25.5	40	41	47.5

Precision Table Cylinder *NLPD Series*

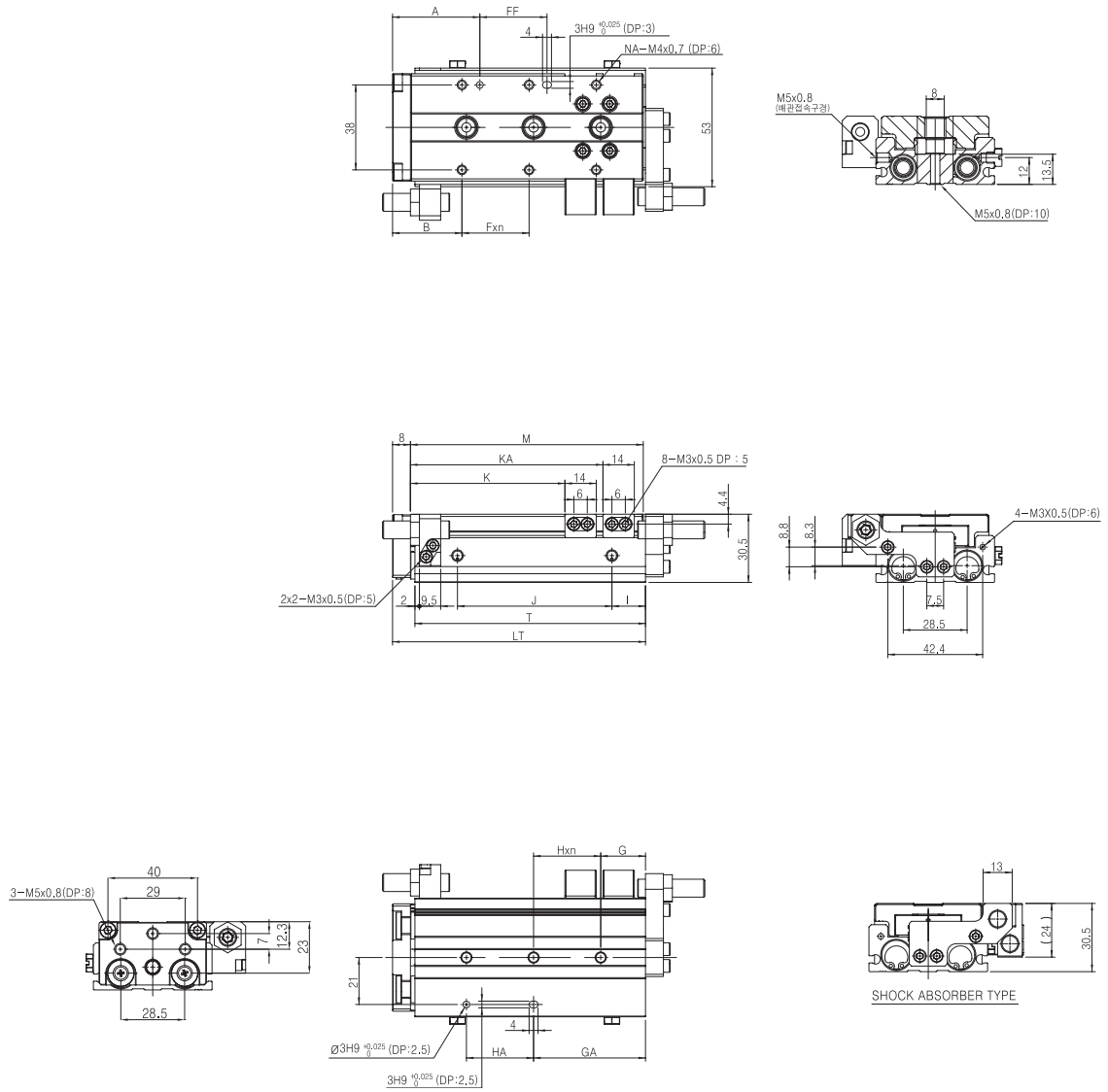
NLPD08 치수도



STROKE	A	B	Fxn	FF	G	Hxn	GA	HA	I	J	K	KA	NA	M	T	LT
75	25	32	40x3	40	9	30x4	58	62	34	99	88.5	130	8	150.5	150	158.5
50	34	27	30x2	32	14.5	30x2	37	30	24.5	58	63.5	82.5	8	101	100.5	109
40	29	22	30x2	30	26	30x1	33	30	15	50	53.5	—	4	82.5	82	90.5
30	29	22	30x1	15	8	30x1	30	16	11.5	35.5	45.5	—	4	64.5	64	72.5
20	29	22	35x1	10	7.5	30x1	30	16	12	31	33.5	—	4	61	60.5	69
10	29	22	30x1	30	7.5	30x1	30	16	12	31	23.5	—	4	61	60.5	69

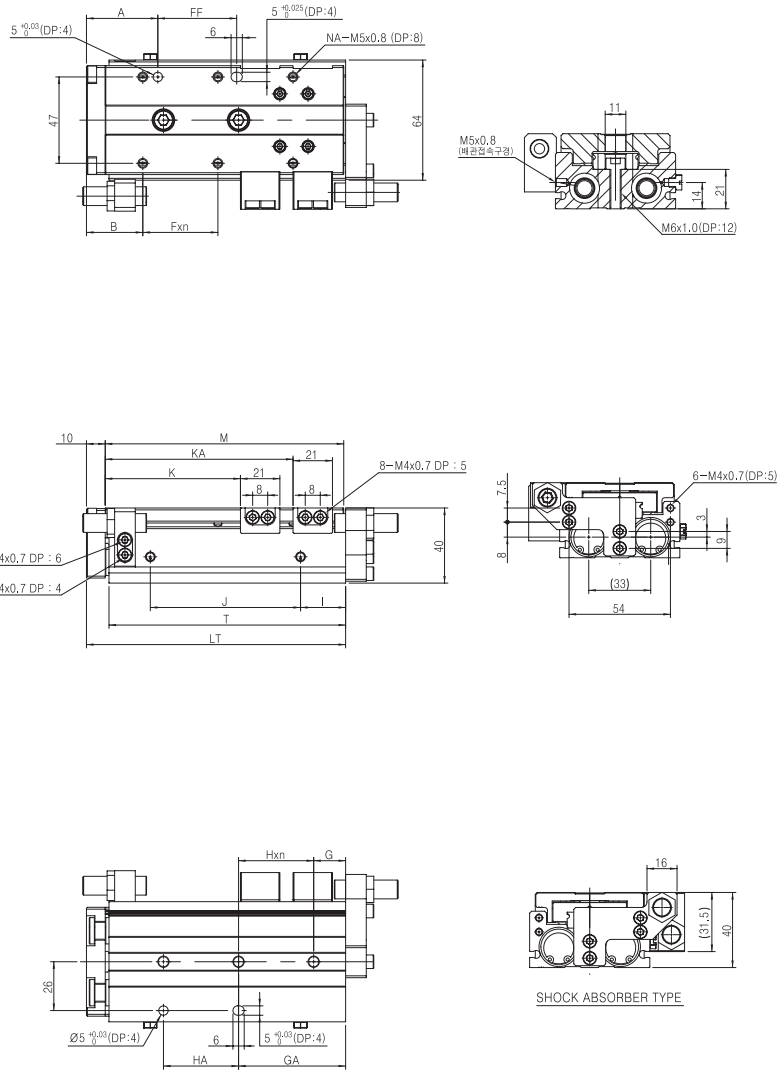
NLPD Series

NLPD12 치수도



STROKE	A	B	Fxn	FF	G	Hxn	GA	HA	I	J	K	KA	NA	M	T	LT
100	30	38	42x3	75	17	30x5	107	60	56	115	118	173	8	191	190	200
75	37	31	30x3	35	32	30x3	62	60	23	88	94	114	8	132	131	141
50	39	31	30x2	30	20	30x2	50	30	15	69	69	86	6	104	103	113
40	36	28	30x2	14	20	30x2	50	30	15	69	59	85	6	104	103	113
30	38	31	40x1	14	24	30x1	24	30	14	51	48	68	4	86	85	95
20	31	23	40x1	13	22	30x1	22	30	12	44	39	58	4	76	75	85
10	31	23	40x1	24	22	30x1	22	30	12	44	29	57	4	76	75	85

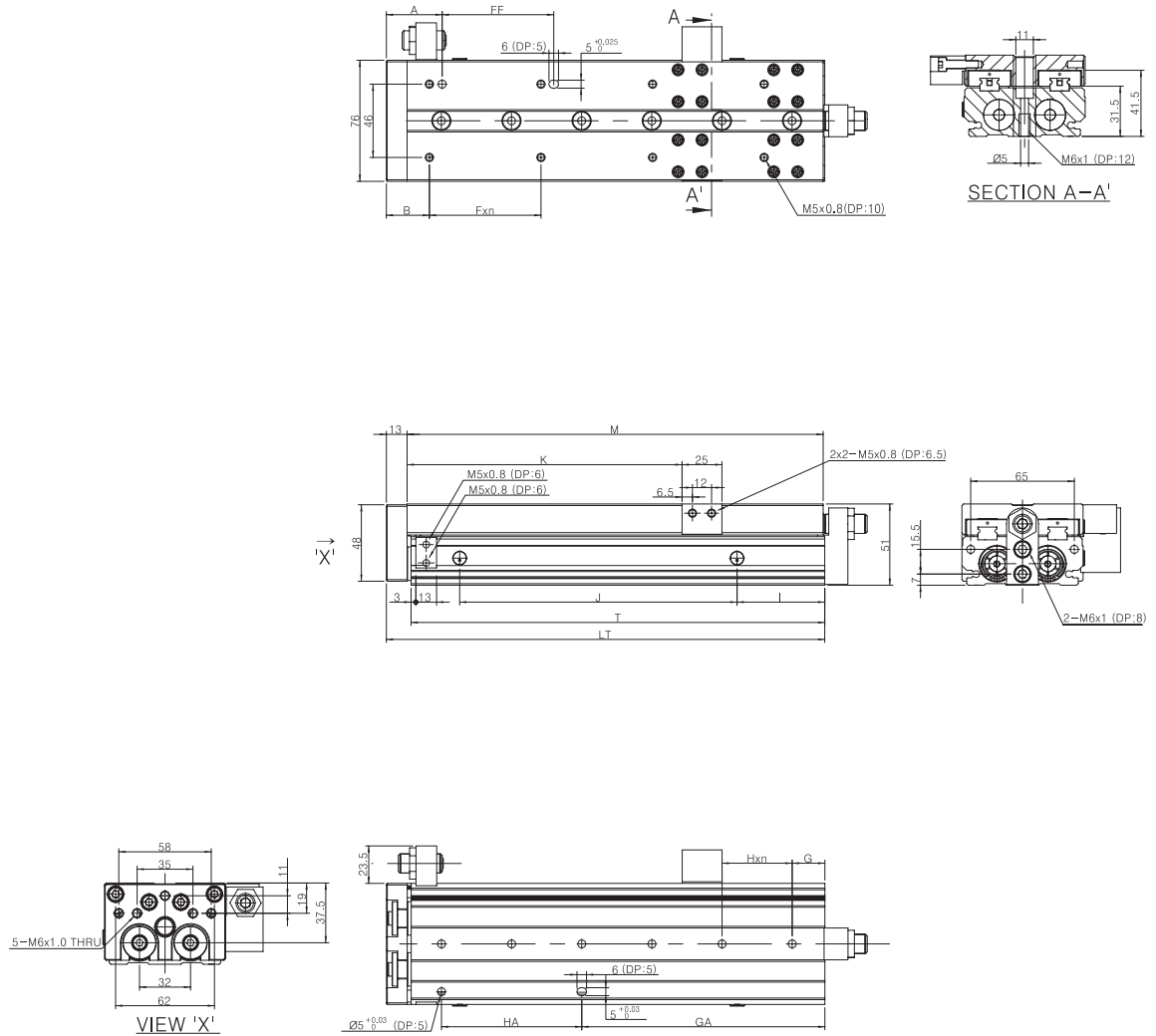
NLPD16 치수도



STROKE	A	B	Fxn	FF	G	Hxn	GA	HA	I	J	K	KA	NA	M	T	LT
125	55	40	55x3	70	38	40x4	118	80	47	158	148	204	8	230	229	241
100	38	30	50x3	60	49	40x3	89	80	42	140	122	179	8	206	205	217
75	50	30	50x2	50	30	40x2	74	40	22	103	97	124	6	151	150	162
50	38	30	40x2	42	17	40x2	57	40	24	80	72	100	6	127	126	138
40	38	30	40x2	60	17	40x2	57	40	24	80	62	100	6	127	126	138
30	44	35	45x1	14	28	40x1	28	40	16	60	49	76	4	103	102	114
20	44	35	45x1	26	28	40x1	28	40	16	60	39	76	4	103	102	114
10	38	28	35x1	47	25	40x1	25	40	16	40	29	54	4	79	78	90

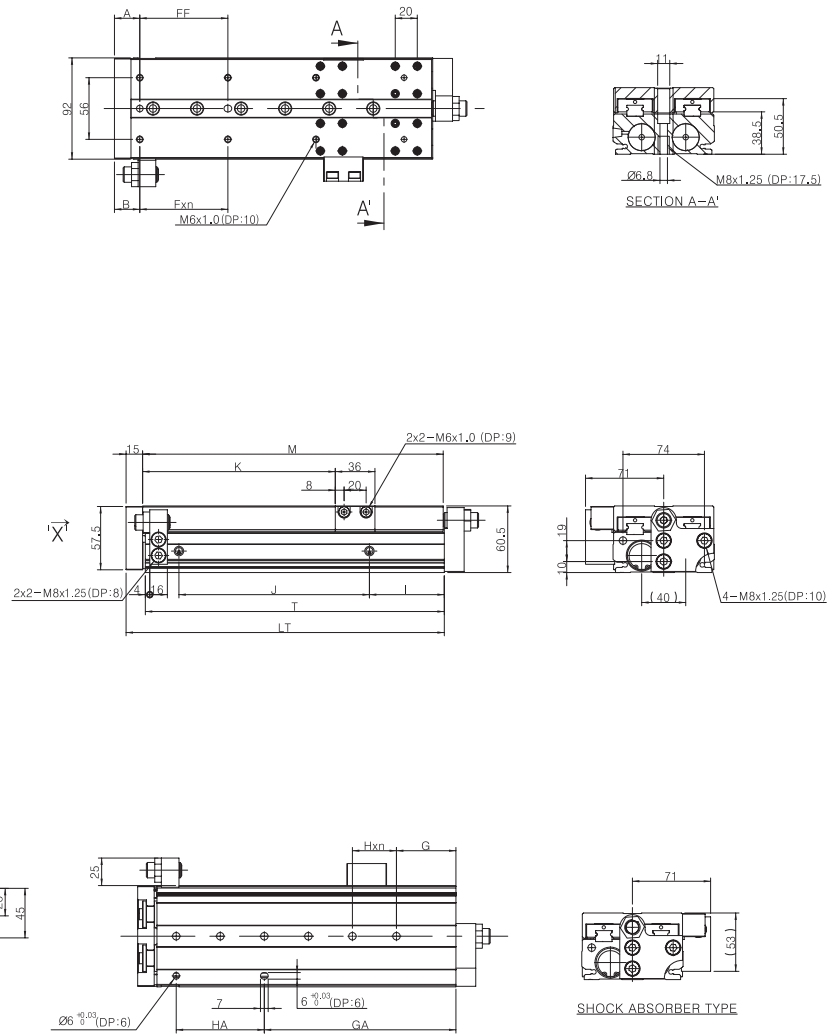
NLPD Series

NLPD20 치수도



STROKE	A	B	Fxn	FF	G	Hxn	GA	HA	I	J	K	M	T	LT
150	35	27	70x3	70	20.5	44x5	152.5	88	55	174	172.5	261	259.5	275
125	35	27	60x3	60	23	38x5	137	76	55	145	147.5	232	230.5	246
100	35	27	70x2	70	45	35x4	115	70	55	115	122.5	202	200.5	216
75	35	27	55x2	55	17	35x3	52	35	23	88	99.5	143	141.5	157
50	35	27	35x2	35	27	35x2	62	35	21	65	74.5	118	116.5	132
40	35	27	60x1	60	27	60x1	27	60	21	55	64.5	108	106.5	122
30	35	27	50x1	50	17	55x1	17	55	23	43	54.5	98	96.5	112
20	35	27	50x1	50	17	45x1	17	45	23	33	44.5	88	86.5	102
10	35	27	50x1	50	17	45x1	17	45	23	33	34.5	88	86.5	102

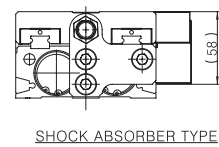
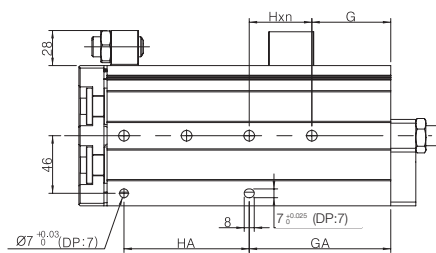
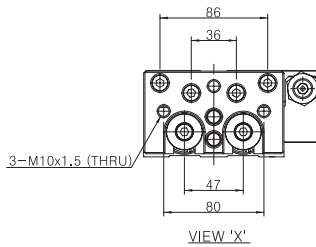
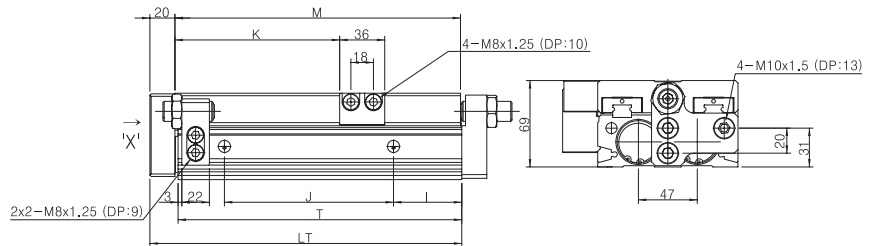
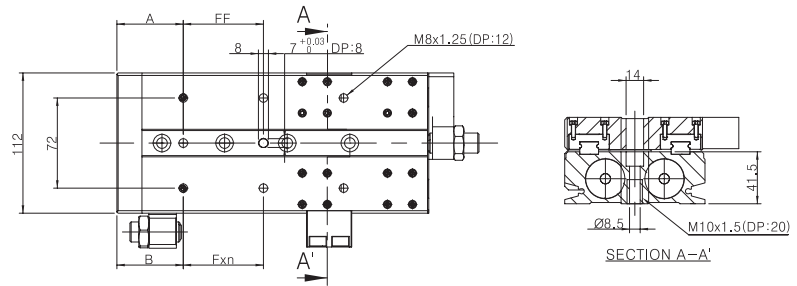
NLPD25 치수도



STROKE	A	B	Fxn	FF	G	Hxn	GA	HA	I	J	K	M	T	LT
150	23	23	80x3	80	54	40x5	174	80	68	173	175	273	271.5	289
125	42	42	75x2	75	40	38x5	154	76	64	148	150	244	242.5	260
100	25	25	70x2	70	17	35x5	122	70	60	122	125	214	212.5	230
75	40	40	48x2	48	25	35x3	60	70	16	96	101	142	142.5	160
50	27	27	35x2	35	25	35x2	60	35	16	71	76	117	117.5	135
40	27	27	55x1	55	30	55x1	30	55	16	61	66	107	107.5	125
30	27	27	45x1	45	30	45x1	30	45	16	51	56	97	97.5	115
20	27	27	45x1	45	23	45x1	23	45	16	44	46	92	90.5	108
10	27	27	45x1	45	23	45x1	23	45	16	44	37	92	90.5	108

NLPD Series

NLPD32 치수도



STROKE	A	B	Fxn	FF	G	Hxn	GA	HA	I	J	K	M	T	LT
100	53	53	64x2	64	63	50x3	113	100	54.5	135	131.5	228	226.5	249
75	53	53	60x2	120	36	38x3	74	76	26.5	102	106.5	167	165.5	188
30	50	50	52x1	52	43	52x1	43	52	23.5	50	62	111	109.5	132

Shock absorber option 부착 치수도

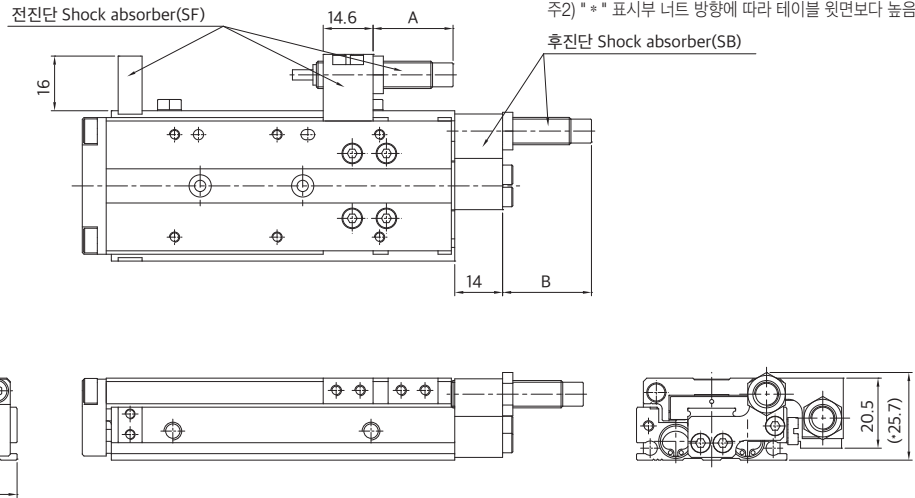
NLPD08- ** SF,SB,S

(단위:mm)

스트로크	전진단		후진단	
	스트로크 조정범위	A	스트로크 조정범위	B
10ST	15	23.4	15	26
20ST		23.4		
30ST		21.4		
40ST		23.4		
50ST		23.4		
75ST		23.4		

주1) A,B 치수는 스트로크 조정범위 "0"설치 치수임.

주2) " * " 표시부 너트 방향에 따라 테이블 윗면보다 높음.

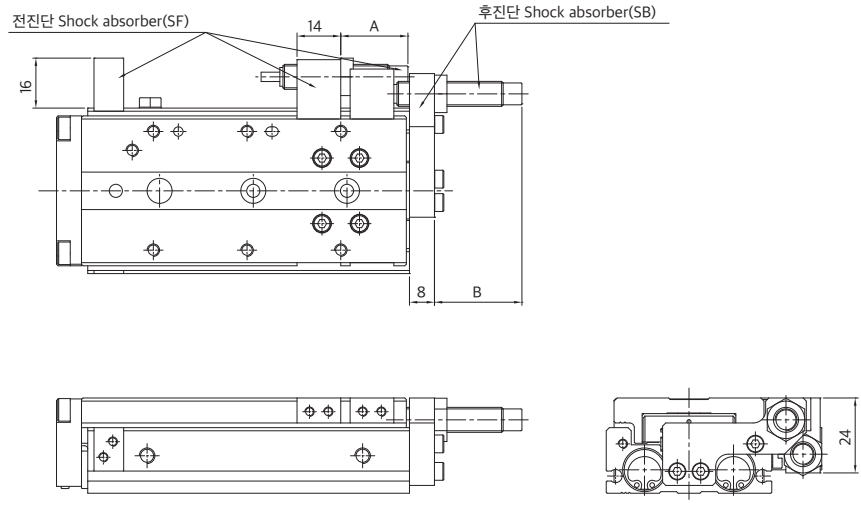


NLPD12- ** SF,SB,S

(단위:mm)

스트로크	전진단		후진단	
	스트로크 조정범위	A	스트로크 조정범위	B
10ST	10	21.5	15	27
20ST		21.5		28
30ST		22.5		28
40ST		21.5		27
50ST		21.5		28
75ST		21.5		28
100ST		22.5		28

주) A,B 치수는 스트로크 조정범위 "0"설치 치수임.



NLPD Series

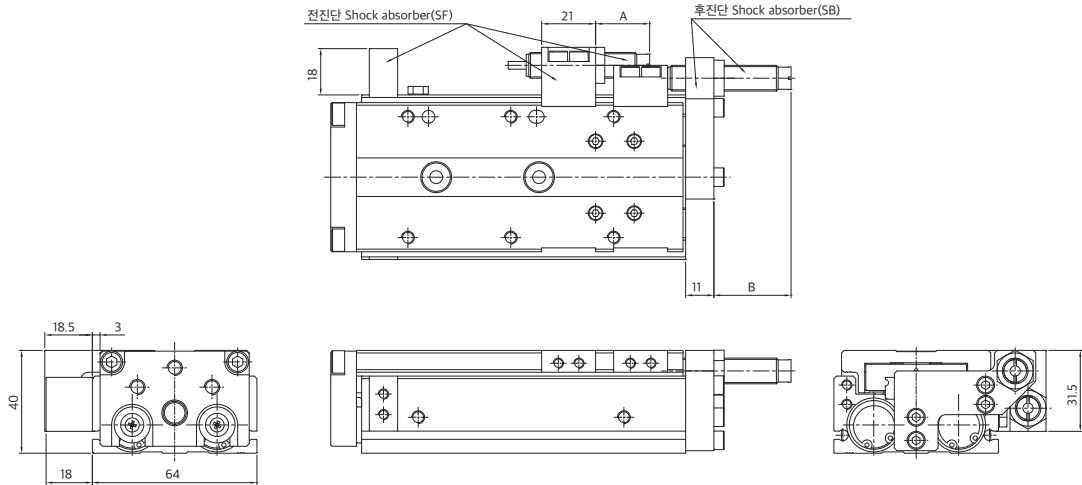
Shock absorber option 부착 치수도

NLPD16- * * SF,SB,S

(단위:mm)

스트로크	전진단		후진단	
	스트로크 조정범위	A	스트로크 조정범위	B
10ST	5	24	최대20	32
20ST	10	24		30
30ST	15	24		30
40ST	10	21		30
50ST	10	21		30
75ST	10	21		30
100ST	10	21		30
125ST	10	20		31

주) A,B 치수는 스트로크 조정범위 "0"설치 치수임.

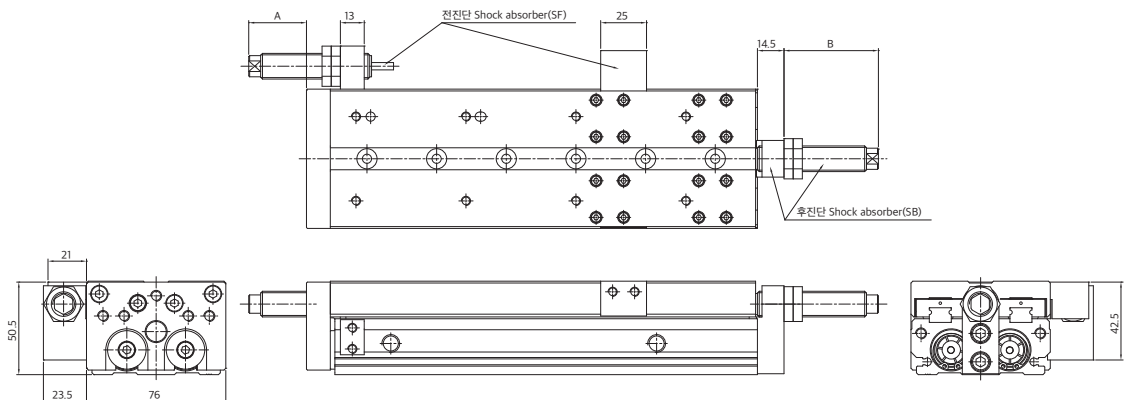


NLPD16- * * SF,SB,S

(단위:mm)

스트로크	전진단		후진단	
	스트로크 조정범위	A	스트로크 조정범위	B
10ST	최대 25	29.5	최대35	51.5
20ST		29.5		51.5
30ST		29.5		51.5
40ST		29.5		51.5
50ST		29.5		51.5
75ST		29.5		51.5
100ST		31.5		51.5
125ST	최대 35	31.5		51.5
150ST		31.5		51.5

주) A,B 치수는 스트로크 조정범위 "0"설치 치수임.



Precision Table Cylinder *NLPD* Series

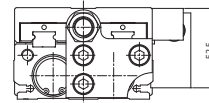
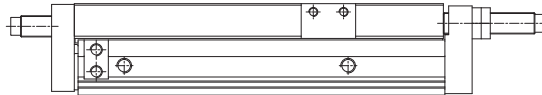
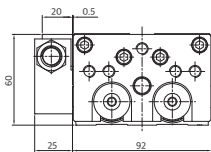
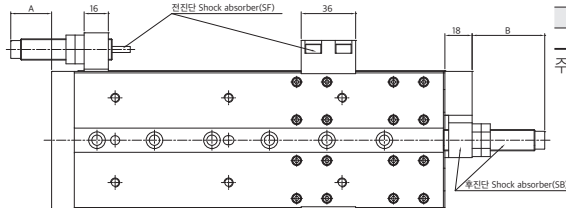
Shock absorber option 부착 치수도

NLPD25- ** SF,SB,S

(단위:mm)

스트로크	전진단		후진단	
	스트로크 조정범위	A	스트로크 조정범위	B
10ST	최대 25	25	최대 25	48
20ST		26		48
30ST		26		46
40ST		26		46
50ST		26		46
75ST		26		46
100ST		27		48
125ST		27		48
150ST		27		48

주) A,B 치수는 스트로크 조정범위 "0"설치 치수임.

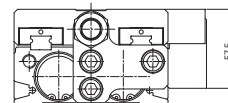
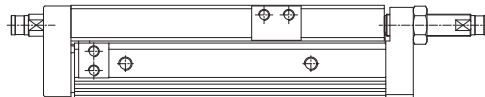
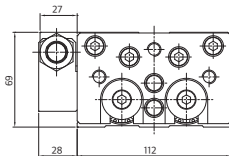
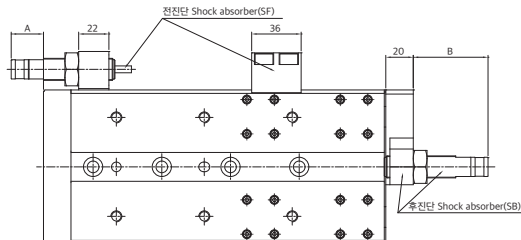


NLPD32- ** SF,SB,S

(단위:mm)

스트로크	전진단		후진단	
	스트로크 조정범위	A	스트로크 조정범위	B
30ST	최대 15	23.5	최대 20	54.5
75ST		24		54.5
100ST		24		54.5

주) A,B 치수는 스트로크 조정범위 "0"설치 치수임.



주문형식

NLPD

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① 적용실린더 내경

06-Ø6
08-Ø8
12-Ø12
16-Ø16
20-Ø20
25-Ø25
32-Ø32

② 스트로크 Adjuster

- 고무 매퍼식
RF: 전진단 스트로크 Adjuster,
RB: 후진단 스트로크 Adjuster
- Shock absorber 부착식
SF: 전진단 Shock absorber 부착식,
SB: 후진단 Shock absorber 부착식
- 메탈스토퍼
MF: 전진단 스트로크 Adjuster,
MB: 후진단 스트로크 Adjuster

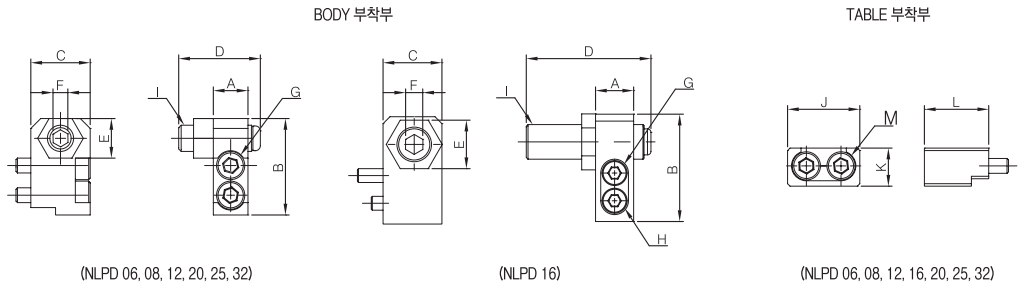
③ 조정범위

무기호: 5mm 표준, 15, 25mm

NLPD Series

고무댐퍼/메탈스토퍼 option 부착 치수도

전진단 스트로크 Adjuster 외형 치수도 (RF)



적용 사이즈	형식	스트로크 조정범위 (mm)	BODY 부착부									TABLE 부착부			
			A	B	C	D	E	F	G	H	I	J	K	L	M
NLPD06	NLPD06-RF	5	10	17	10.5	21	8	2.5	M2.5x0.45x10L	-	M5x.8	12.5	9	10	M2.5x0.45x10L
	NLPD06-RF15	15				31									
NLPD08	NLPD08-RF	5	7	19.5	12	16.5	8	3	M3x0.5x12L	-	M6x1.0	14.6	7.7	13	M3x0.5x14L
	NLPD08-RF15	15				26.5									
	NLPD08-RF25	25				36.5									
NLPD12	NLPD12-RF	5	9.5	23	16	20.4	12	4	M3x0.5x14L	-	M8x1.0	14	10.5	16	M3x0.5x14L
	NLPD12-RF15	15				29.9									
	NLPD12-RF25	25				39.9									
NLPD16	NLPD16-RF	5	11	31	17	25.6	14	5	M4x0.7x18L	M4x0.7x16L	M10x1.0	21	13.5	20	M4x0.7x15L
	NLPD16-RF15	15				34.6									
	NLPD16-RF25	25				44.6									
NLPD20	NLPD20-RF	5	13	40.5	25	27.6	17	6	M5x0.8x25L	-	M12x1.25	25	18	22	M5x0.8x20L
	NLPD20-RF15	15				37.6									
	NLPD20-RF25	25				47.6									
NLPD25	NLPD25-RF	5	16	49.5	26.5	32.1	19	6	M8x1.25x20L	-	M14x1.5	36	21	22	M6x1.0x20L
	NLPD25-RF15	15				42.1									
	NLPD25-RF25	25				52.1									
NLPD32	NLPD32-RF	5	22	53	30	41.1	24	8	M8x1.25x30L	-	M16x1.5	36	25	29	M8x1.25x30L
	NLPD32-RF15	15				51.1									
	NLPD32-RF25	25				61.1									

주문형식

NLPD

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① 적용실린더 내경

06-Ø6
08-Ø8
12-Ø12
16-Ø16
20-Ø20
25-Ø25
32-Ø32

② 스트로크 Adjuster

- 고무 댐퍼식
RF: 전진단 스트로크 Adjuster,
RB: 후진단 스트로크 Adjuster
- 메탈스토퍼
MF: 전진단 스트로크 Adjuster,
MB: 후진단 스트로크 Adjuster
※ 메탈스토퍼 Ø20-Ø32만 적용

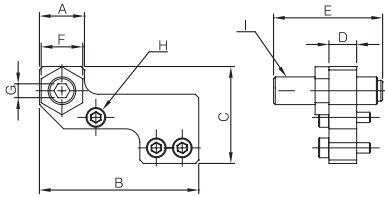
③ 조정범위

무기호: 5mm 표준, 15, 15mm, 25, 25mm

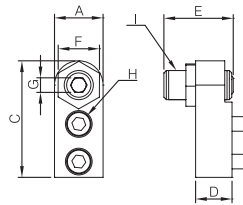
고무댐퍼/메탈스토퍼 option 부착 치수도

후진단 스트로크 Adjuster 외형 치수도 (RB)

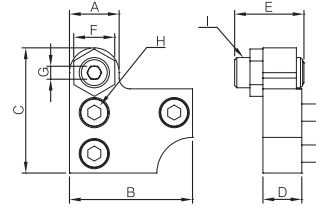
BODY 부착부



(NLPD 06, 08, 12, 16)



(NLPD 20)



(NLPD 25, 32)

적용 사이즈	형식	스트로크 조정범위 (mm)	BODY 부착부								
			A	B	C	D	E	F	G	H	I
NLPD06	NLPD06-RB	5	10	20	21	5.5	21	8	2.5	M2.5x0.45x8L	M5x.8
	NLPD06-RB15	15					31				
NLPD08	NLPD08-RB	5	10	28.5	22.5	8	16.5	10	3	M3x0.5x12L	M6x1.0
	NLPD08-RB15	15					26.5				
	NLPD08-RB25	25					36.5				
NLPD12	NLPD12-RB	5	13	46	28	8	20.4	12	4	M3x0.5x12L	M8x1.0
	NLPD12-RB15	15					29.9				
	NLPD12-RB25	25					39.9				
NLPD16	NLPD16-RB	5	16	55	39	11	25.6	14	5	M4x0.7x15L	M10x1.0
	NLPD16-RB15	15					34.6				
	NLPD16-RB25	25					44.6				
NLPD20	NLPD20-RB	5	20	-	48	15	27.6	17	6	M6x1.0x15L	M12x1.25
	NLPD20-RB15	15					37.6				
	NLPD20-RB25	25					47.6				
NLPD25	NLPD25-RB	5	23	57	58	18	32.1	19	6	M8x1.25x15L	M14x1.5
	NLPD25-RB15	15					42.1				
	NLPD25-RB25	25					52.1				
NLPD32	NLPD32-RB	5	26	69	66.5	20	41.1	24	8	M10x1.5x20L	M16x1.5
	NLPD32-RB15	15					51.1				
	NLPD32-RB25	25					61.1				

주문형식

NLPD

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① 적용실린더 내경

06-Ø6
08-Ø8
12-Ø12
16-Ø16
20-Ø20
25-Ø25
32-Ø32

② 스트로크 Adjuster

- 고무 댐퍼식
RF: 전진단 스트로크 Adjuster,
RB: 후진단 스트로크 Adjuster
- 메탈스토퍼
MF: 전진단 스트로크 Adjuster,
MB: 후진단 스트로크 Adjuster
※ 메탈스토퍼 Ø20-Ø32만 적용

③ 조정범위

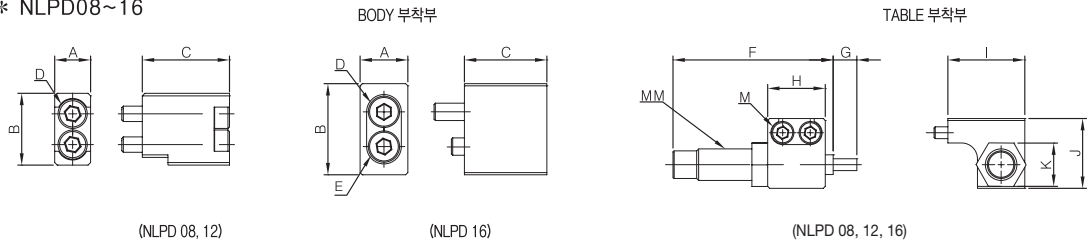
무기호: 5mm 표준, 15, 15mm, 25, 25mm

NLPD Series

Shock adsorber 부착 치수도

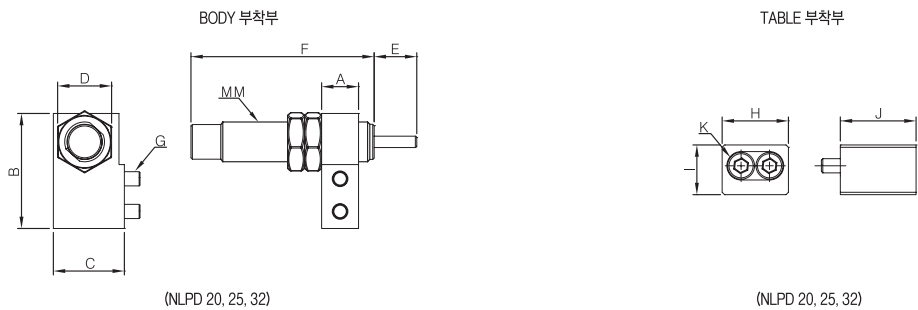
전진단 Shock adsorber 유닛 옵션 외형 치수도 (SF)

* NLPD08~16



적용 사이즈	형식	BODY 부착부					TABLE 부착부							
		A	B	C	D	E	F	G	H	I	J	K	M	MM
NLPD08	NLPD08-SF	7	14	17	M3×0.5×18L	—	41	6	14.6	19.5	17.7	12	M3×0.5×20L	M8×1
NLPD12	NLPD12-SF	9.5	13.5	17	M3×0.5×18L	—	41	6	14	19	24	12	M3×0.5×18L	M8×1
NLPD16	NLPD16-SF	11	21	19	M4×0.7×22L	M4×0.7×18L	48	7	21	23	31.5	14	M4×0.7×22L	M10×1

* NLPD20~32



적용 사이즈	형식	BODY 부착부							TABLE 부착부				
		A	B	C	D	E	F	G	H	I	J	K	
NLPD20	NLPD20-SF	13	40.5	25	19	12	67	M5×0.8×25L	M14×1.5	25	20	22	M5×0.8×20L
NLPD25	NLPD25-SF	16	49.5	26.5	19	12	67	M8×1.25×20L	M14×1.5	36	21	22	M6×1×20L
NLPD32	NLPD32-SF	22	53	30	24	12	75.5	M8×1.25×30L	M16×1.5	36	25	29	M8×1.25×30L

주문형식

NLPD

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① 적용실린더 내경

08-Ø8
12-Ø12
16-Ø16
20-Ø20
25-Ø25
32-Ø32

② 스트로크 Adjuster

~ Shock absorber 부착식
SF: 전진단 Shock absorber 부착식,
SB: 후진단 Shock absorber 부착식

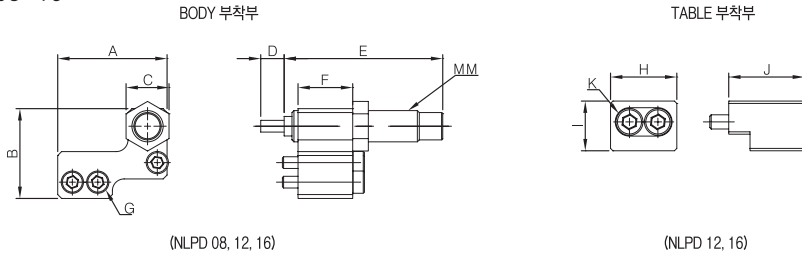
③ 조정범위

무기호: 5mm 표준, 15:15mm, 25:25mm

Shock adsorber 부착 치수도

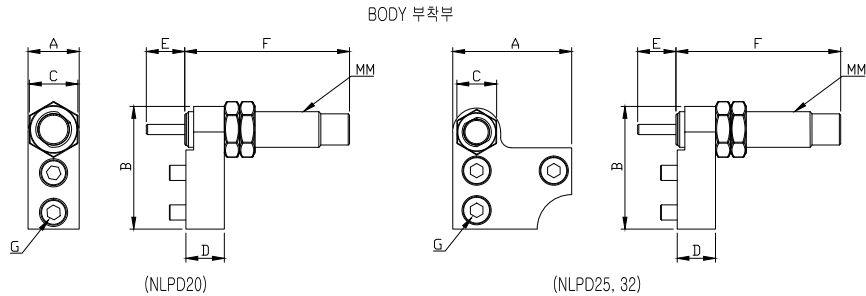
후진단 Shock adsorber 유닛 옵션 외형 치수도 (SB)

* NLPD08~16



적 용 사이즈	형 식	BODY 부착부								TABLE 부착부			
		A	B	C	D	E	F	G	MM	H	I	J	K
NLPD08	NLPD08-SB	28	23	12	6	41	14	M3×0.5×18L	M8×1	-	-	-	-
NLPD12	NLPD12-SB	46	28	12	6	41	8	M3×0.5×12L	M8×1	14	10.5	16	M3×0.5×15L
NLPD16	NLPD16-SB	55	39	14	7	48	11	M4×0.7×15L	M10×1	21	13.5	16	M4×0.7×16L

* NLPD20~32



적 용 사이즈	형 식	BODY 부착부							
		A	B	C	D	E	F	G	MM
NLPD20	NLPD20-SB	20	48	19	15	12	67	M6x1.0x15L	M14×1.5
NLPD25	NLPD25-SB	57	58	19	18	12	67	M8x1.25x15L	M14×1.5
NLPD32	NLPD32-SB	69	66.5	24	20	12	75.5	M10x1.5x20L	M16×1.5

주문형식

NLPD

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① 적용실린더 내경

08-Ø8
12-Ø12
16-Ø16
20-Ø20
25-Ø25
32-Ø32

② 스트로크 Adjuster

- Shock absorber 부착식
SF-전진단 Shock absorber 부착식,
SB-후진단 Shock absorber 부착식

③ 조정범위

무기호: 5mm 표준, 15, 15mm, 25, 25mm