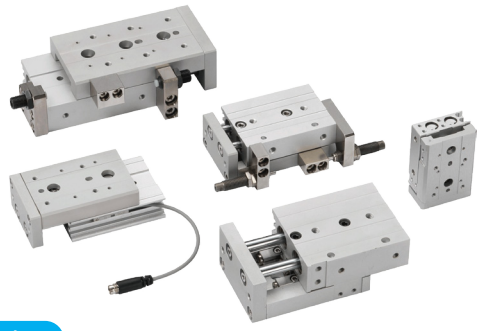


Body slide type ..... D7G .....

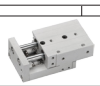
Features

- High precision combination of cylinder and linear rail.
- Flush fitting sensor groove.
- Magnetic as standard.

Specification

Type	D7G
Bore	Φ6、8、12、16、20、25
Power fluid	Filtered air with or without lubrication
The range of pressure	1.5 ～ 7.1 kgf/cm^2
Proof pressure	10.7 kgf/cm^2
The range of temperature	-5 ～ +60 ℃ (Don't freeze)
Material of cylinder barrel	Aluminium extrusion, Anodised 20 microns

How to order

D7G	–	20	L	50	–	A	–	A	2
Type		Bore	Style	Stroke		Controller		Sensor switch	Quantity
 D7G		6：Φ6 8：Φ8 12：Φ12 16：Φ16 20：Φ20 25：Φ25	No code：Standard type L：Symmetry type	Please see stroke table		No code：Without adjuster A：Adjuster at extension end B：Adjuster at retraction end C：Adjuster at both ends D：Absorber at extension end E：Absorber at retraction end F：Absorber at both ends		ZE101	1：1pc 2：2pcs

Stroke table

Bore	Stroke (mm)
Φ6	10,20,30,40,50
Φ8	10,20,30,40,50,75
Φ12	10,20,30,40,50,75,100
Φ16	10,20,30,40,50,75,100,125
Φ20、25	10,20,30,40,50,75,100,125,150

Theoretic force

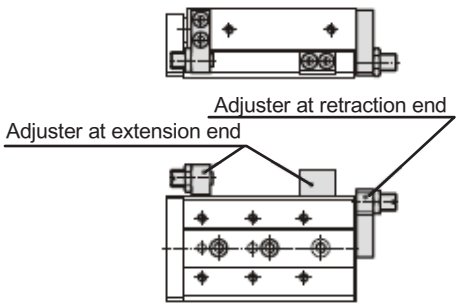
OUT ← → IN

Unit：N

Bore	Piston rod (mm)	Direction	Aera (cm^2)	Operating pressure (kgf/cm^2)					
				0.2	0.3	0.4	0.5	0.6	0.7
Φ6	3	OUT	57	11	17	23	29	34	40
		IN	42	8	13	17	21	25	29
Φ8	4	OUT	101	20	30	40	51	61	71
		IN	75	15	23	30	38	45	53
Φ12	6	OUT	226	45	68	90	113	136	158
		IN	170	34	51	68	85	102	119
Φ16	8	OUT	402	80	121	161	201	251	281
		IN	302	60	91	121	151	181	211
Φ20	10	OUT	628	126	188	251	314	377	400
		IN	471	94	141	188	236	283	330
Φ25	12	OUT	982	196	295	393	491	589	687
		IN	756	151	227	302	378	454	529

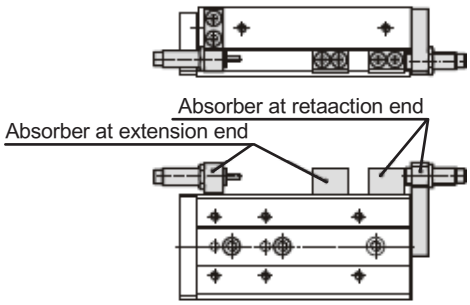
D7G Stroke controller

- Adjustable range：0 ～ 5mm
  - A：Adjuster at extension end
  - B：Adjuster at retraction end
  - C：Adjuster at both ends



D7G Stroke controller with cushion

- Enables adjustment of stroke.
- Absorbs the collision at stroke end and stops smoothly.
  - D：Absorber at extension end
  - E：Absorber at retraction end
  - F：Absorber at both ends



D7G Precautions

Selection

1. Do not apply a load over the operating limit range.

   Select the model considering max. allowable load and allowable moment. When actuator is used outside of operating limits, eccentric loads on guide will be in excess this causing vibration on guide and inaccuracy, and shortens life.

2. If intermediate stops by external stopper is done, avoid ejection.

   If ejection occurs, it may cause damage. In case the slid table is stopped at intermediate positions by and external stopper then forwarded to the front return the slide table to the back for just a moment to retract the stopper, then supply pressure to the opposite port to operate slide table.

3. Do not apply excessive forces and impacts.

   This will cause problems and possible failure.

Mounting

1. Do not scratch and dent mount-ing side of body, table and end plate.

   The damage will result in a decrease in parallelism, vibration of guide and an increase in moving part resistance.

2. Do not scratch and dent forward side of rail and guide.

   This causes vibration and increases moving part resistance.

Mounting

3. Do not apply excessive power and load when work is mounted.

   Vibrations on guide and moving part resistance will result when power over the allowable moment is applied.

4. Flatness of mounting surface should be less than 0.02mm.

   Insufficient flatness of work priece or base to which Air Slide Table is mounted can cause generation of play at guide section or increase sliding resistance.

5. Select the proper connection with the load which has external support and/ or guide mechanism on the outside, and align it properly.

6. Avoid contact with the air slide table during operation.

   Adjuster option creates additional pinch points which can cause injury to operator when table is moving. Preventative measures, e.g. installation of a cover, should be taken to avoid such accidents.

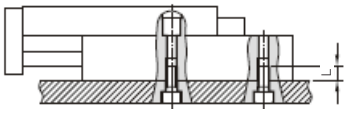
7. Keep away from objects which is influenced by magnets.

   A magnet is built in the guide block for use with an auto switch, there for do not use magnetic disk, magnetic card, or magnetic tape, else data will be eliminated.

8. When mounting an air slide table, use appropriate length of screws and do not exceed the maximum tightening torque.

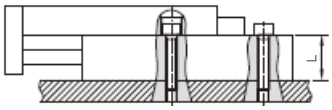
   If tightening the screw beyond the designated value, it may malfunction. If tightening it insufficiently, it may result in position sliding or falling off of air slide table.

1.Horizontal fixed type(body tapping)



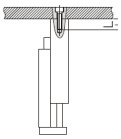
Type	Bolt	Max. lock torque (Nm)	Max.screw-in depth L(mm)
D7G-6	M4x0.7	2.1	8
D7G-8	M4x0.7	2.1	8
D7G-12	M5x0.8	4.4	10
D7G-16	M6x1.0	7.4	12
D7G-20	M6x1.0	7.4	12
D7G-25	M8x1.25	18	16

2.Horizontal fixed type(use through hole)



Type	Bolt	Max. lock torque (Nm)	Max.screw-in depth L(mm)
D7G-6	M3x0.5	1.2	11
D7G-8	M3x0.5	1.2	13
D7G-12	M4x0.7	2.8	17
D7G-16	M5x0.8	5.7	24
D7G-20	M5x0.8	5.7	27
D7G-25	M6x1.0	10	34

3.Horizontal fixed type(use through hole)

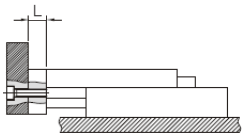


Type	Bolt	Max. lock torque (Nm)	Max.screw-in depth L(mm)
D7G-6	M2.5x0.45	0.5	3.5
D7G-8	M3x0.5	0.9	4
D7G-12	M4x0.7	2.1	6
D7G-16	M5x0.8	4.4	7
D7G-20	M5x0.8	4.4	8
D7G-25	M6x1.0	7.4	10

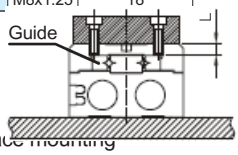
D7G Precautions

Mounting

1.Front face mounting



Type	Bolt	Max. torque (Nm)	Max.screw-in depth L(mm)
D7G-6	M3x0.5	0.9	5
D7G-8	M4x0.7	2.1	6
D7G-12	M5x0.8	4.4	8
D7G-16	M6x1.0	7.4	10
D7G-20	M6x1.0	7.4	13
D7G-25	M8x1.25	18	15



2.Top face mounting

When attaching work to guide, use a bolt which is at least 0.5mm shorter than the maximum thread depth. Longer bolts can cause malfunction due to contact with guide bearings.

Type	Bolt	Max. torque (Nm)	Max.screw-in depth L(mm)
D7G-6	M3x0.5	0.9	4
D7G-8	M3x0.5	0.9	5
D7G-12	M4x0.7	2.1	5.5
D7G-16	M5x0.8	4.4	6
D7G-20	M5x0.8	4.4	10
D7G-25	M6x1.0	7.4	13

1. The positioning hole on the table and the positioning hole at the bottom of the body do not have the same center.

   Use these holes during reinstallation after the table has been removed for the maintenance of an identical product.

Enviromnent

1. Do not use in atmosphere where the actuator contacts directly the liquid such as cutting oil.

   Conditions where the cylinder piston rod and guide shafts are exposed directly to cutting oil, coolant and oil mist lead to vibration, increase of moving part resistance, air leakage, etc.

2. Do not use in atmosphere where the actuator contacts directly the material such as powder dust, dust spatter etc.

   This causes vibration, increase of moving part and air leakage. Consult TOP AIR when the use in such nvironment is required.

3. Do not use in direct sun light.

4. Do not use in environment where there is heat source.

   Use a cover when there is a heat source around the actuator, or if temperature of product increases and exceeds operating temperature range by emissive heat.

5. Do not subect it to excessive vibration and/or impact.

   This results in damage and/or malfunction.
   Contact TOP AIR if the actuator is used in the above conditions.

Precautions for adjuster option

1. Never replace the original adjuster bolts.

   Impact energy causes play, damage, etc.

2. Refer to the below table for lock nut tightening torque.
   If the lock nut is not tightened sufficiently, it leads to low positioning accuracy.

Type	Tightening torque (Nm)
D7G-6	3.0
D7G-8	5.0
D7G-12	12.5
D7G-16	25.0
D7G-20	43.0
D7G-25	69.0

3. When stroke adjuster is adjusted, do not hit the table with the wrench.

   This can cause excessive play.

Precautions for adjuster option

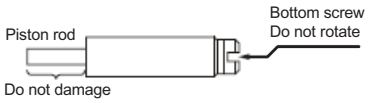
With chock absorber

1. Do not rotate the screw set on bottom of shock absorber.

   This is not the screw for adjusting.
   If this screw is rotated, it may cause oil leakage.

2. Do not scratch the exposed portion of the piston rod.

   Decrease in life or malfunction may result.



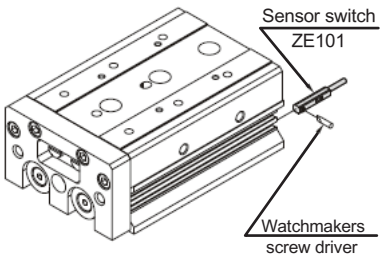
3. Shock absorber is considered a consumable component. When energy absorption is decreased, replace it.

Type	Part No. of shock absorber
D7G-8	SA0806-SN
D7G-12	SA0806-SN
D7G-16	SA1007-SN
D7G-20	SA1412-SN
D7G-25	SA1412-SN

4. Refer to the below table for tightening torque for lock nut of shock absorber.

Type	Tightening torque (Nm)
D7G-8	1.67
D7G-12	1.67
D7G-16	3.14
D7G-20	10.8
D7G-25	10.8

Installation of sensor switch



D7G Table deflection

Table deflection by pitch moment

Table pitch deflection due to static pitch moment applied at arrow for fully extended stroke of slide table

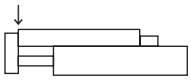


Table deflection by yaw moment

Table yaw deflection due to static yaw moment applied at arrow for fully extended stroke of slide table.

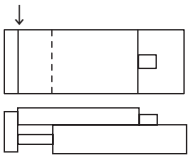
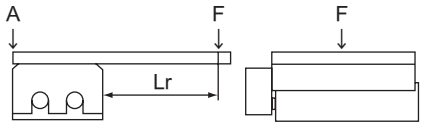
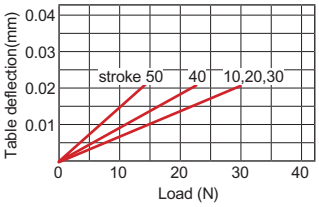


Table deflection by roll moment

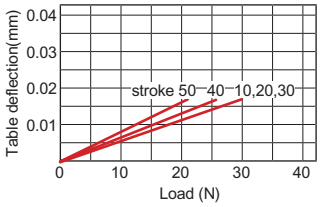
Table roll defection arrow A due to static roll moment applied at arrow F when Lr = (see table) and table is retracted.



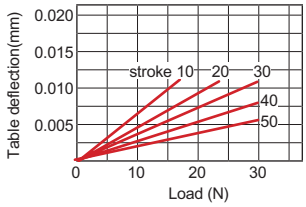
● Bore Φ6



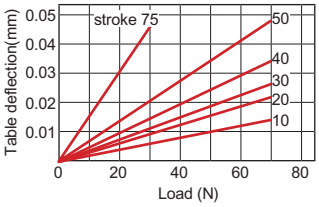
● Bore Φ6



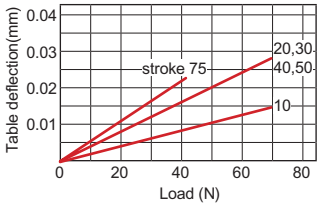
● Bore Φ6 Lr = 24mm



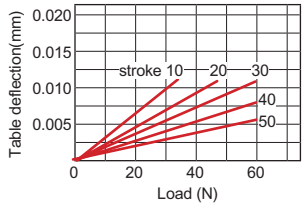
● Bore Φ8



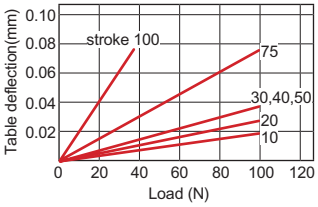
● Bore Φ8



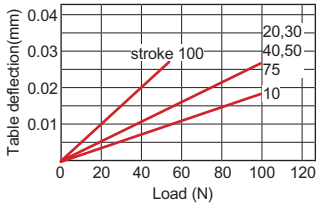
● Bore Φ8 Lr = 50mm



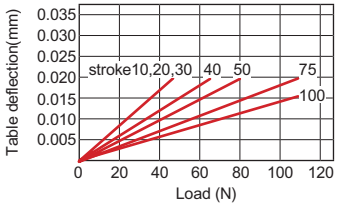
● Bore Φ12



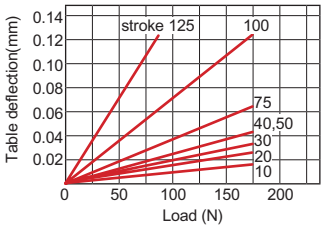
● Bore Φ12



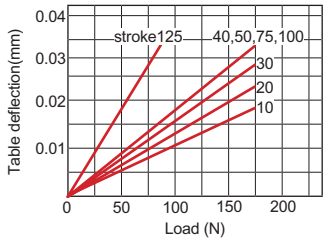
● Bore Φ12 Lr = 65mm



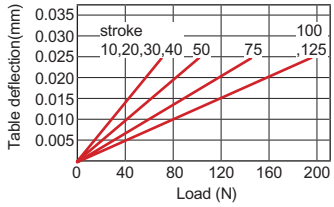
● Bore Φ16



● Bore Φ16



● Bore Φ16 Lr = 89mm



D7G Table deflection

Table deflection by pitch moment

Table pitch defection due to static pitch moment applied at arrow for fully extended stroke of slide table

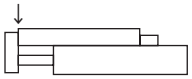


Table deflection by yaw moment

Table yaw defection due to static yaw moment applied at arrow for fully extended stroke of slide table.

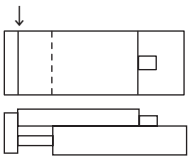
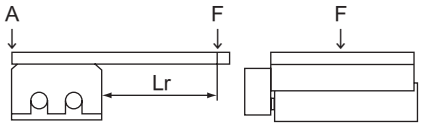
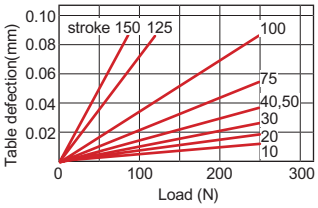


Table deflection by roll moment

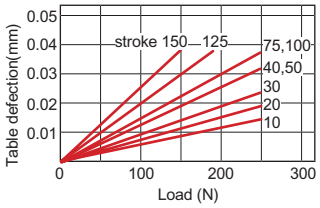
Table roll defection arrow A due to static roll moment applied at arrow F when Lr = (see table) and table is retracted.



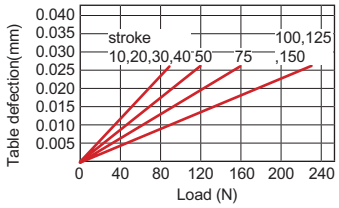
● Bore Φ20



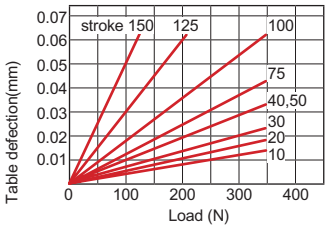
● Bore Φ20



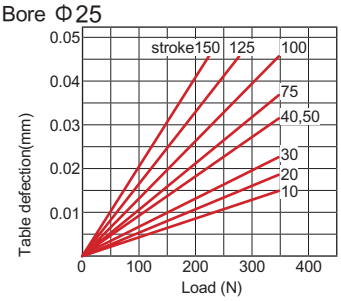
● Bore Φ20 Lr = 122mm



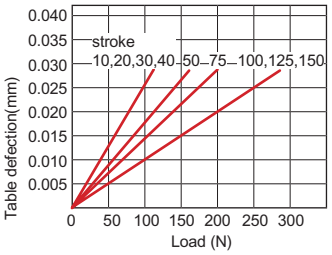
● Bore Φ25



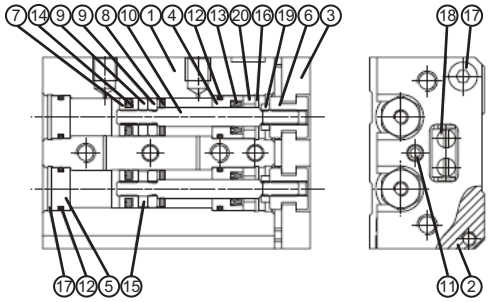
● Bore Φ25



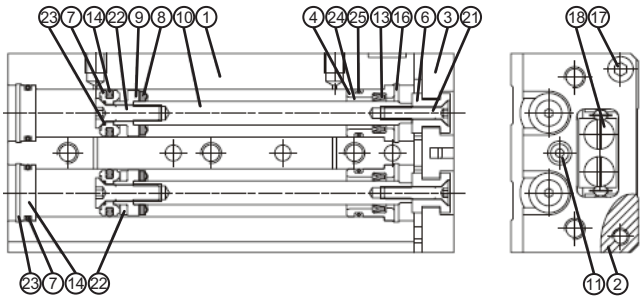
● Bore Φ25 Lr = 154mm



D7G Bore Φ6 ~ 8 / Inside structure



D7G Bore Φ12 ~ 25 / Inside structure

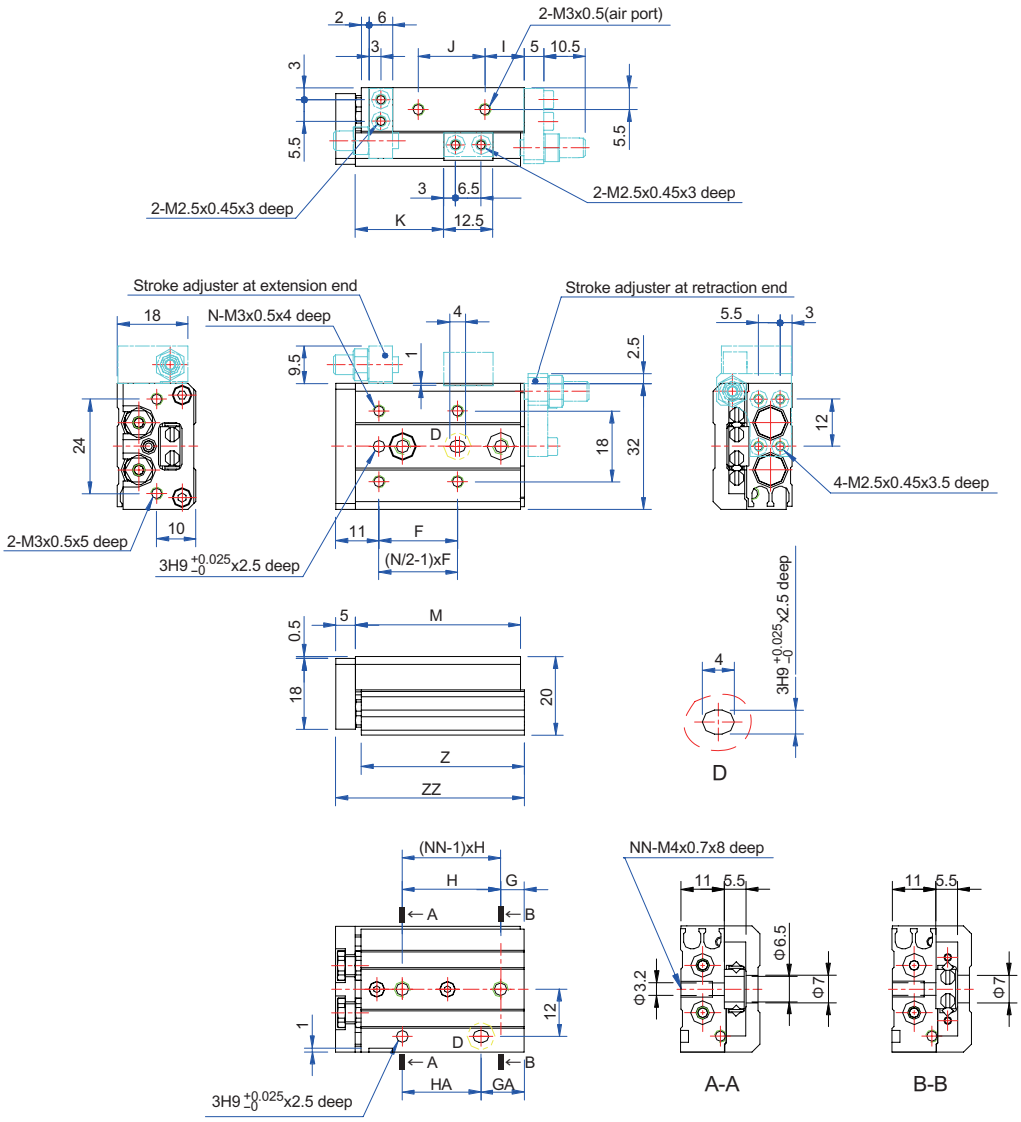


Parts list

No.	Part name	Material	No.	Part name	Material	17	Bolt	Stainless steel
1	Body	Aluminium alloy	9	Spacer ring	Φ6、12~25：Aluminium alloy Φ8：Stainless steel	18	Slide way	Bearing steel
2	Table	Aluminium alloy	10	Piston rod	Stainless steel	19	Nut	Φ6～8：Copper
3	Plate	Aluminium alloy	11	End cushion	PU	20	ROd cover washer	Φ6～8：Stainless steel
4	Rod cover	Aluminium alloy	12	Cover ring	NBR	21	Floating connector bolt	Φ6～8：Stainless steel
5	Head cover	Aluminium alloy	13	Rod packing	NBR	22	Piston screw	Φ12～25：Stainless steel
6	Floating connector	Stainless steel	14	Piston packing	NBR	23	Piston gasket	Φ12～25：NBR
7	Piston	Φ6～8：Stainless steel Φ12～15：Aluminium alloy	15	Magnet ring	Magnet material	24	Rod bush	Copper
8	Cushion pad	NBR	16	Snap ring	Φ6：Spring steel Φ8～25：Stainless steel	25	Cover ring	NBR

D7G Standard type / Dimensional features

● Bore Φ6

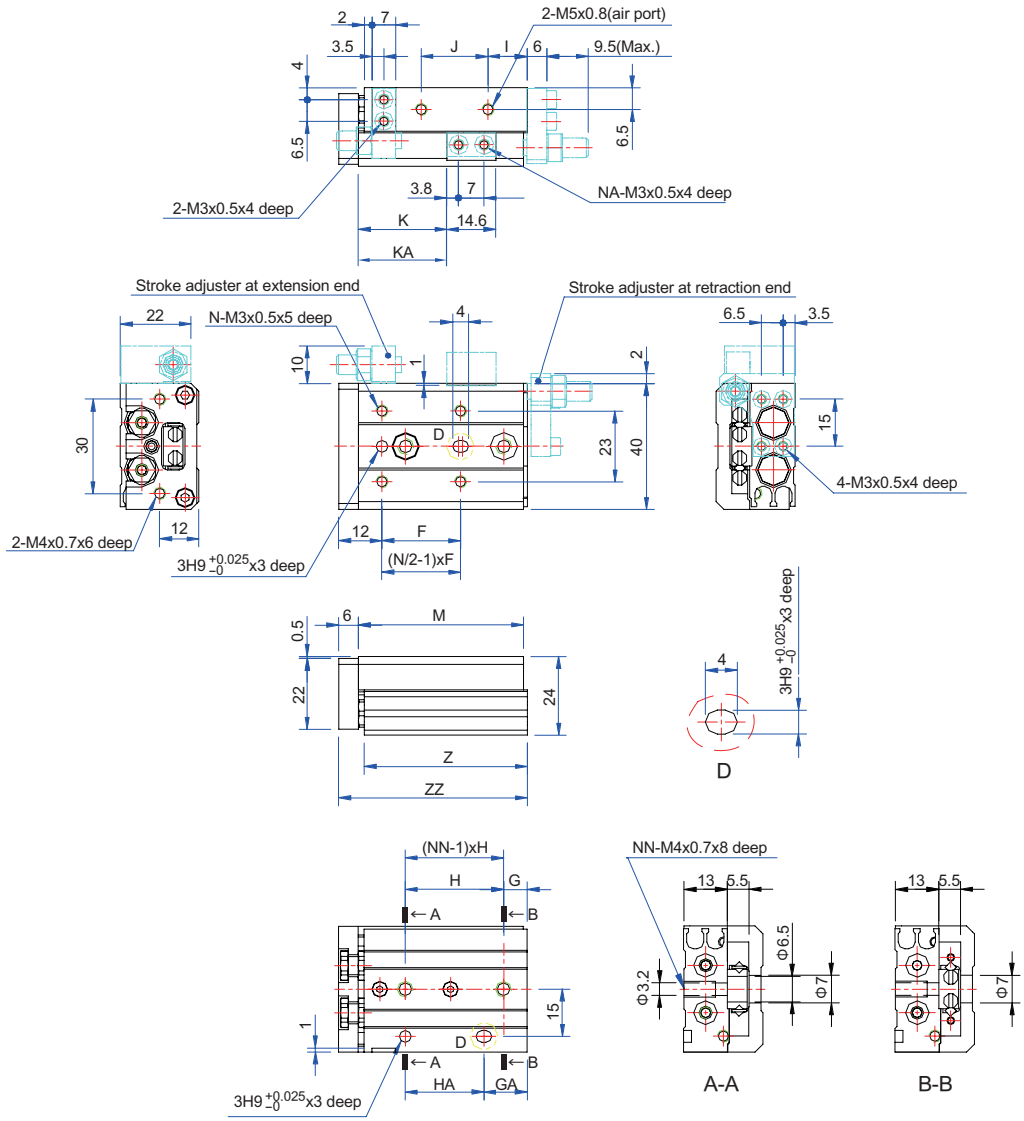


Dimensional table

Mark / Bore	F	G	GA	H	HA	I	J	K	M	N	NN	Z	ZZ
10	20	6	11	25	20	10	17	22.5	42	4	2	41.5	48
20	30	6	21	35	20	10	27	32.5	52	4	2	51.5	58
30	20	11	31	20	20	7	40	42.5	62	6	3	61.5	68
40	28	13	43	30	30	19	50	52.5	84	6	3	83.5	90
50	38	17	41	24	48	25	60	62.5	100	6	4	99.5	106

D7G Standard type / Dimensional features

● Bore Φ8

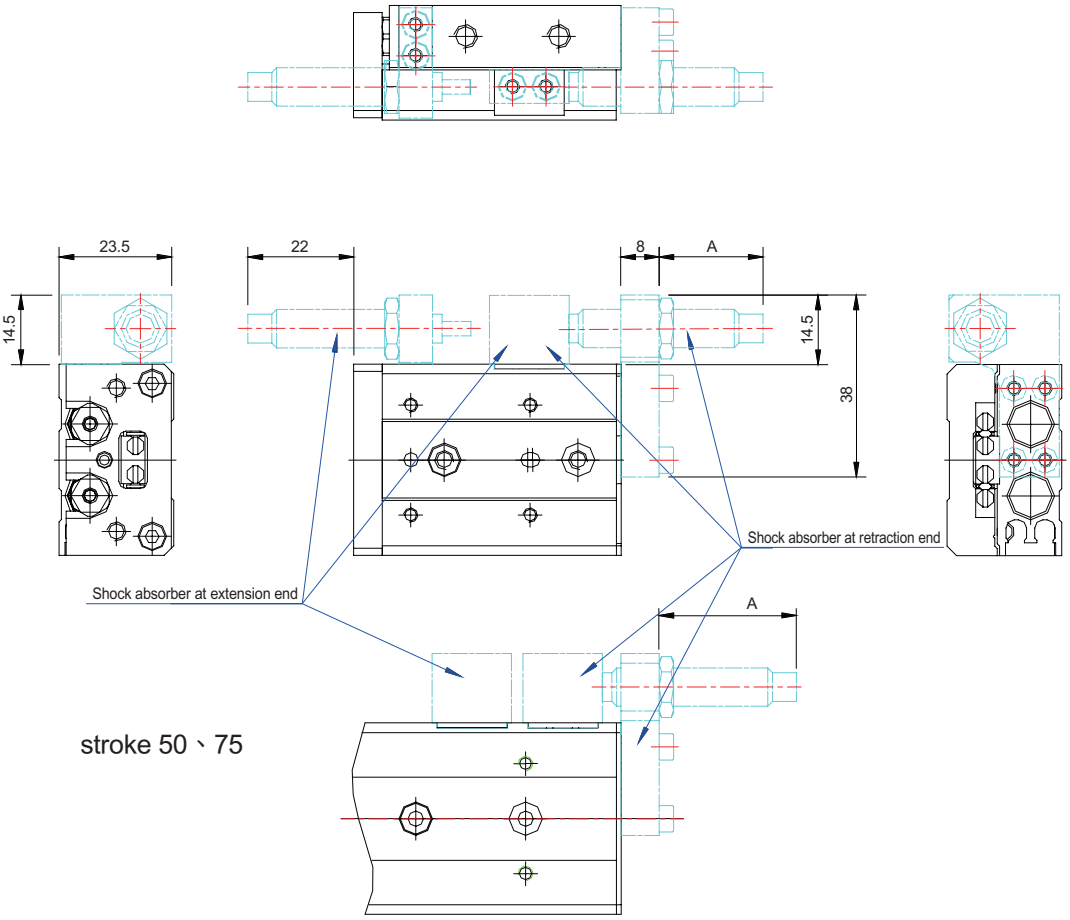


Dimensional table

Mark / Bore	F	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	25	9	17	28	20	13	19.5	23.5	-	49	4	2	2	48.5	56
20	25	12	12	30	30	8.5	29	33.5	-	54	4	2	2	53.5	61
30	40	13	33	20	20	9.5	39	43.5	-	65	4	2	3	64.5	72
40	50	15	43	28	28	10.5	56	53.5	-	83	4	2	3	82.5	90
50	38	20	43	23	46	24.5	60	63.5	82.5	101	6	4	4	100.5	108
75	50	27	83	28	56	38.5	96	88.5	132.5	151	6	4	5	150.5	158

D7G Standard type with cushion / Dimensional features

● Bore Φ8



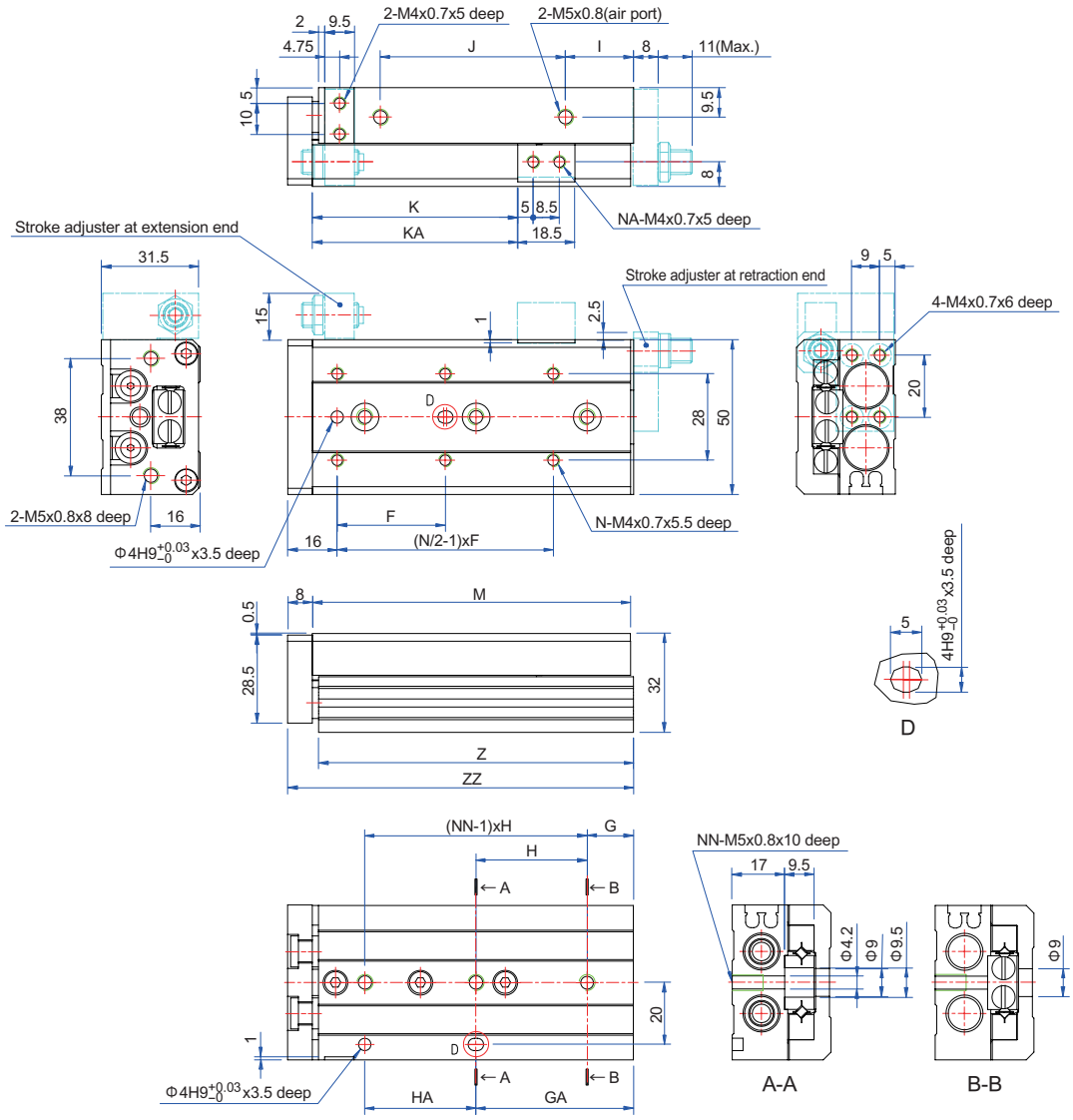
Dimensional table

Mark / Bore	Stroke adjustment range		A dimension (Retracted side mounting)
	Extending	Retracting	
10	22 Max.	5	22
20		15	27
30		15	26
40		5	18
50		20	29
75		20	29

Note：Other dimensions not indicated are the same as the standard type.

D7G Standard type / Dimensional features

● Bore Φ12

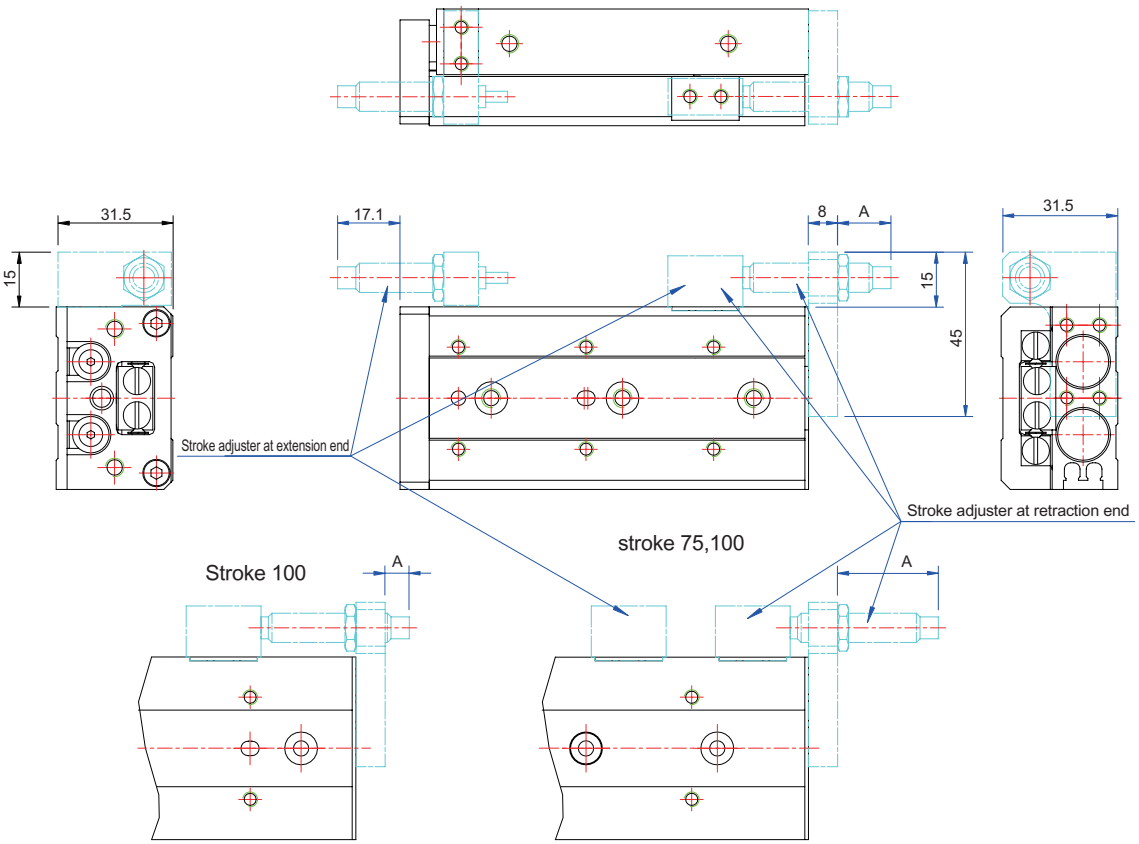


Dimensional table

Mark / Bore	F	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	35	15	15	40	40	10	40	26.5	-	71	4	2	2	70	80
20	35	15	15	40	40	10	40	36.5	-	71	4	2	2	70	80
30	35	15	15	40	40	10	40	46.5	-	71	4	2	2	70	80
40	50	17	42	25	25	10	52	56.5	-	83	4	2	3	82	92
50	35	15	51	36	36	22	60	66.5	-	103	6	2	3	102	112
75	55	25	61	36	72	43	85	91.5	125.5	149	6	4	4	148	158
100	65	35	111	38	76	52	130	116.5	179.5	203	6	4	5	202	212

D7G Standard type with cushion / Dimensional features

● Bore Φ12



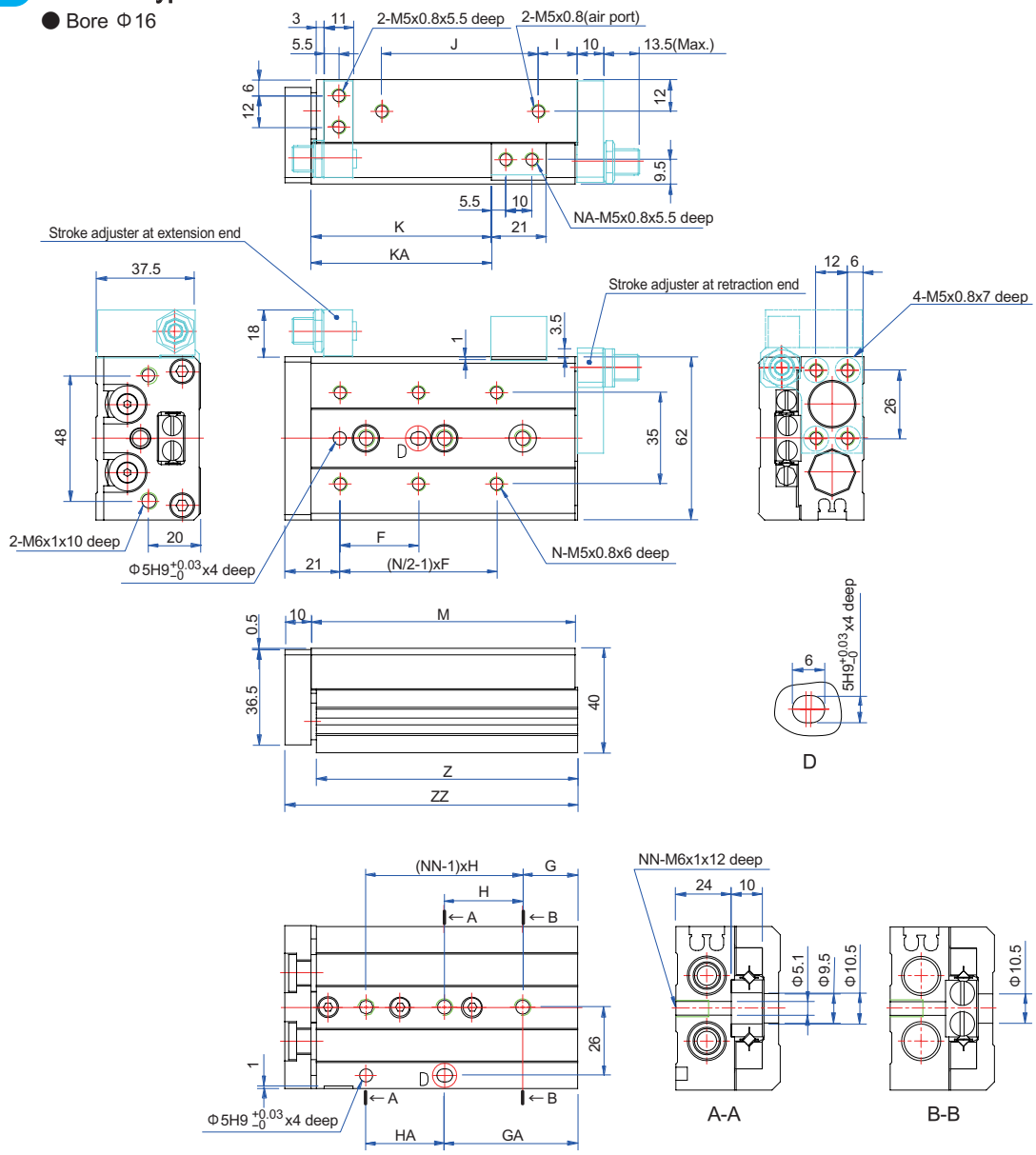
Dimensional table

Mark / Bore	Stroke adjustment range		A dimension (Retracted side mounting)
	Extending	Retracting	
10	21.2 Max.	1.6	6.6
20		8.6	16.6
30		18.6	26.6
40		16.6	24.6
50		6.6	14.6
75		19.6	27.6
100		19.6	27.6

Note：Other dimensions not indicated are the same as the basic style.

D7G Standard type / Dimensional features

● Bore Φ16

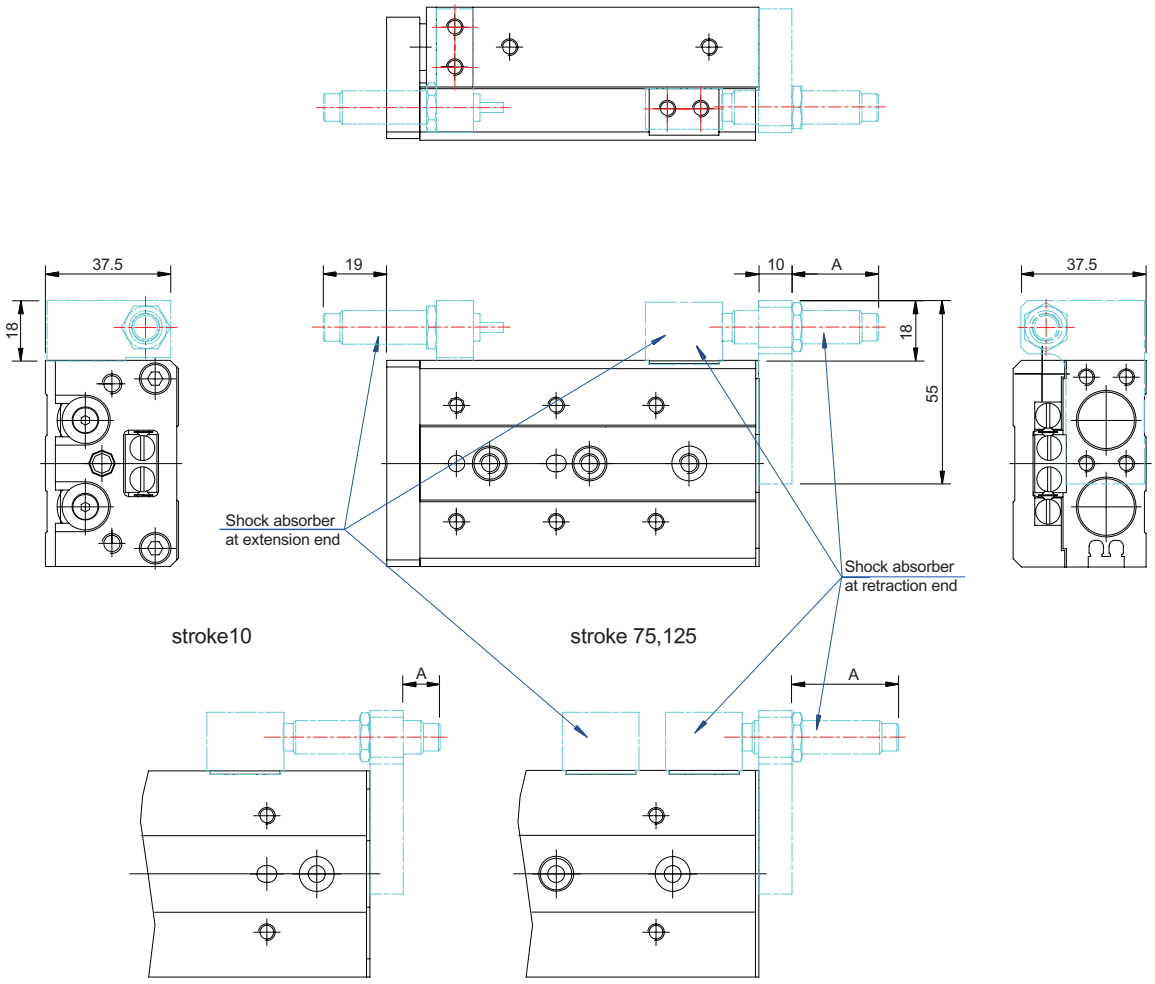


Dimensional table

Mark / Bore	F	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	35	16	16	40	40	10	40	29	-	76	4	2	2	75	87
20	35	16	16	40	40	10	40	39	-	76	4	2	2	75	87
30	35	16	16	40	40	10	40	49	-	76	4	2	2	75	87
40	40	16	16	50	50	10	50	59	-	86	4	2	2	85	97
50	30	21	51	30	30	15	60	69	-	101	6	2	3	100	112
75	55	26	61	35	70	40	85	94	125	151	6	4	4	150	162
100	65	39	109	35	70	55	118	119	173	199	6	4	5	198	210
125	70	19	159	35	70	68	155	144	223	249	8	4	7	248	260

D7G Standard type with cushion / Dimensional features

● Bore Φ16



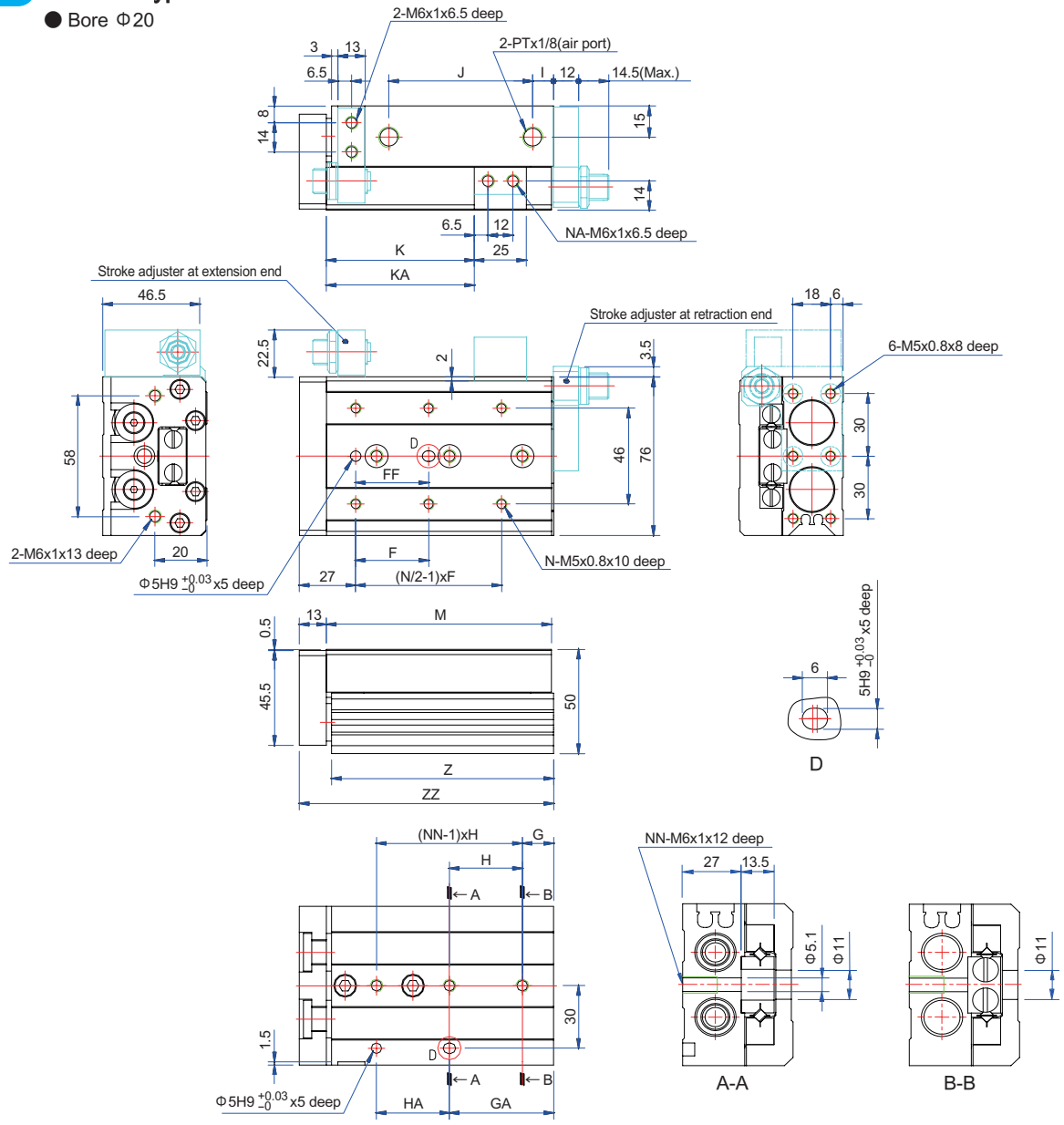
Dimensional table

Mark / Bore	Stroke adjustment range		A dimension (Retracted side mounting)
	Extending	Retracting	
10	26 Max.	6	11
20		13	21
30		23	31
40		23	31
50		18	26
75		24	32
100		24	32
125		24	32

Note：Other dimensions not indicated are the same as the basic style.

D7G Standard type / Dimensional features

● Bore Φ20

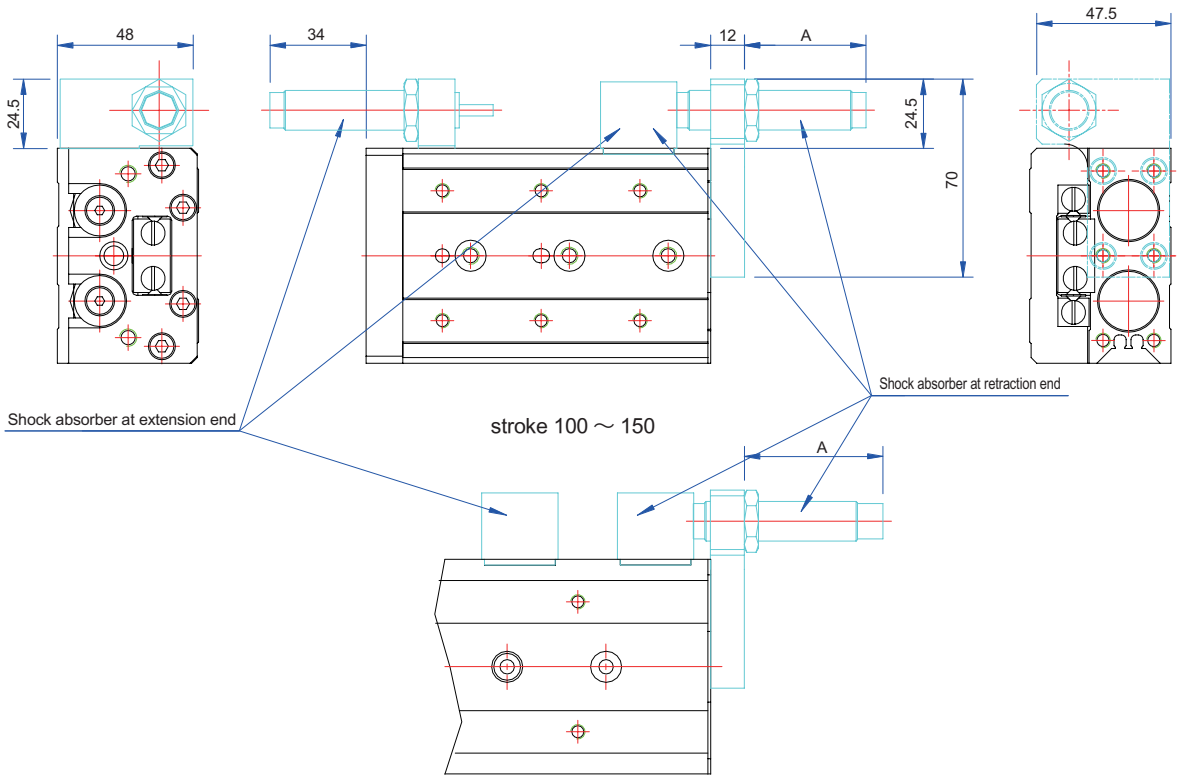


Dimensional table

Mark / Bore	F	FF	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	50	40	15	25	45	35	10	44	31	-	83	4	2	2	81.5	97
20	50	40	15	25	45	35	10	44	41	-	83	4	2	2	81.5	97
30	50	40	15	25	45	35	10	44	51	-	83	4	2	2	81.5	97
40	60	50	15	35	55	35	10	54	61	-	93	4	2	2	91.5	107
50	35	35	15	50	35	35	10	69	71	-	108	6	2	3	106.5	122
75	60	60	19	54	35	70	10	108	96	-	147	6	2	4	145.5	161
100	70	70	37	107	35	70	58	113	121	169	200	6	4	5	198.5	214
125	70	70	41	155	88	76	70	155	146	223	254	8	4	6	252.5	268
150	80	80	19	195	44	88	87	190	171	275	306	8	4	7	304.5	320

D7G Standard type with cushion / Dimensional features

● Bore Φ20



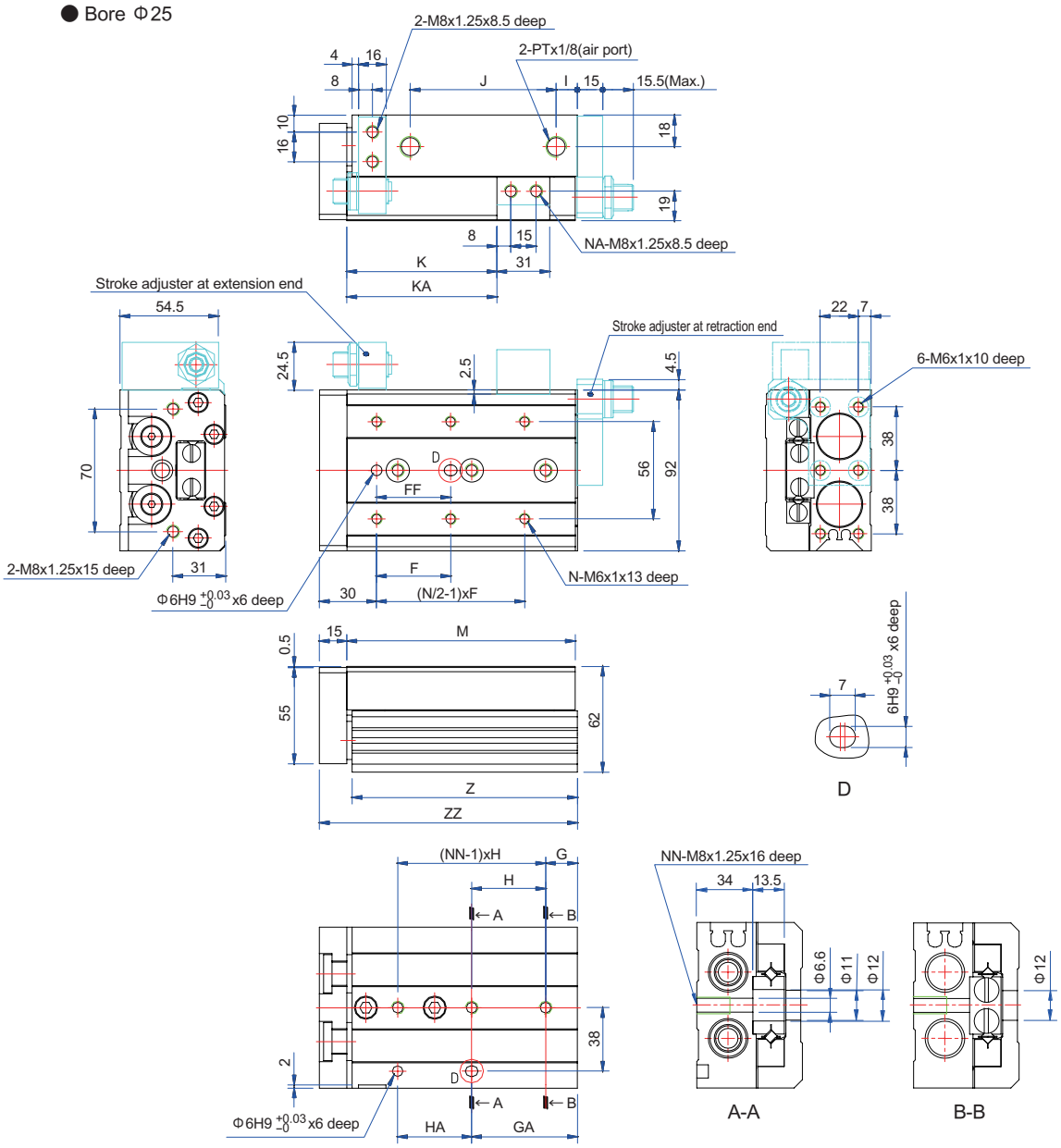
Dimensional table

Mark / Bore	Stroke adjustment range		A dimension (Retracted side mounting)
	Extending	Retracting	
10	42.5 Max.	10	27
20		20	37
30		30	47
40		37	47
50		33	43
75		15	29
100		35	49
125		35	49
150		35	49

Note：Other dimensions not indicated are the same as the basic style.

D7G Standard type / Dimensional features

● Bore Φ25

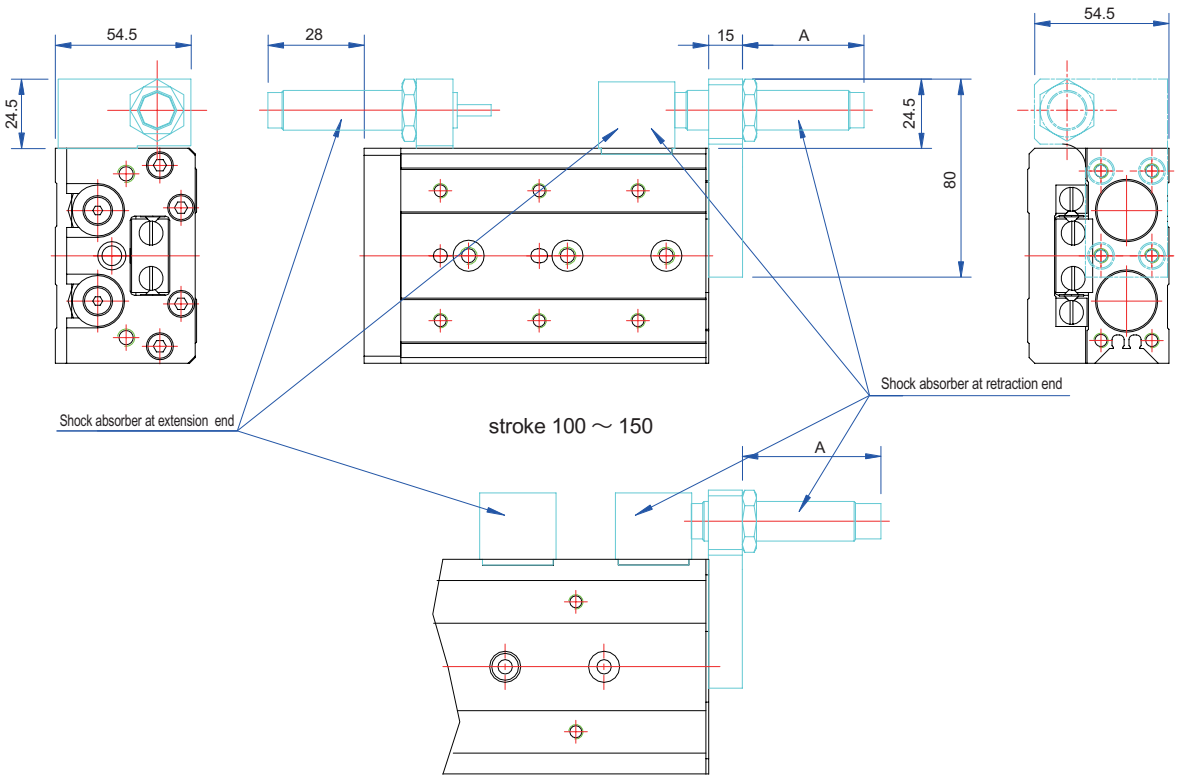


Dimensional table

Mark / Bore	F	FF	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	50	40	22	22	45	45	12	47	35	-	92	4	2	2	90.5	108
20	50	40	22	22	45	45	12	47	45	-	92	4	2	2	90.5	108
30	50	40	22	22	45	45	12	47	55	-	92	4	2	2	90.5	108
40	60	50	22	22	55	55	12	57	65	-	102	4	2	2	100.5	118
50	35	35	20	55	35	35	12	70	75	-	115	6	2	3	113.5	131
75	60	60	26	61	35	70	33	90	100	-	156	6	2	4	154.5	172
100	70	70	32	102	35	70	50	114	125	162	197	6	4	5	195.5	213
125	70	70	40	154	38	76	67	155	150	218	255	8	4	6	253.5	271
150	80	80	30	190	40	80	82	180	175	258	295	8	4	7	293.5	311

D7G Standard type with cushion / Dimensional features

● Bore Φ25



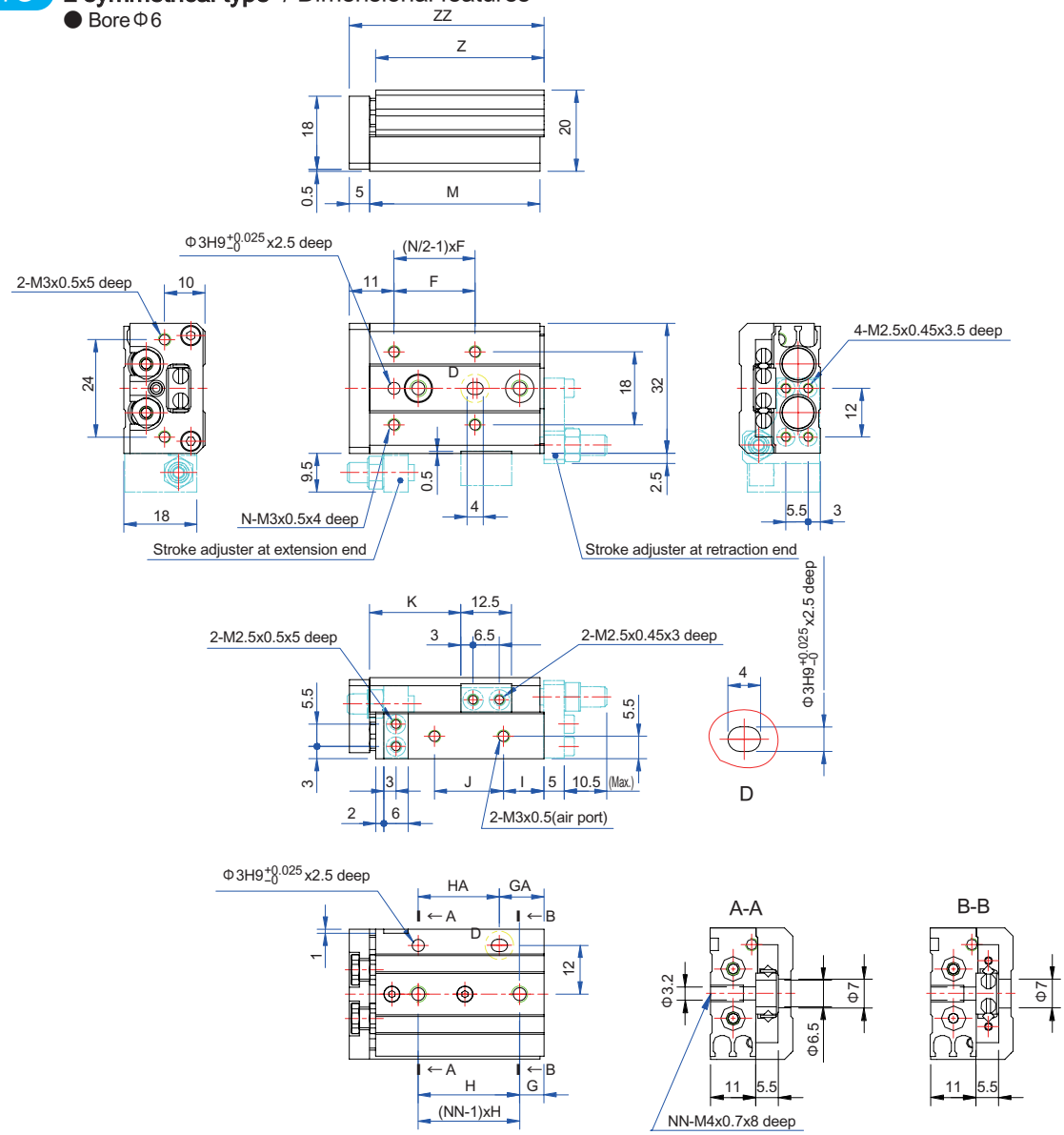
Dimensional table

Mark / Bore	Stroke adjustment range		A dimension (Retracted side mounting)
	Extending	Retracting	
10	39.5 Max.	10	25
20		20	35
30		30	45
40		35	45
50		33	43
75		17	27
100		38	48
125		36	46
150		36	46

Note：Other dimensions not indicated are the same as the basic style.

D7G L symmetrical type / Dimensional features

● Bore Φ6

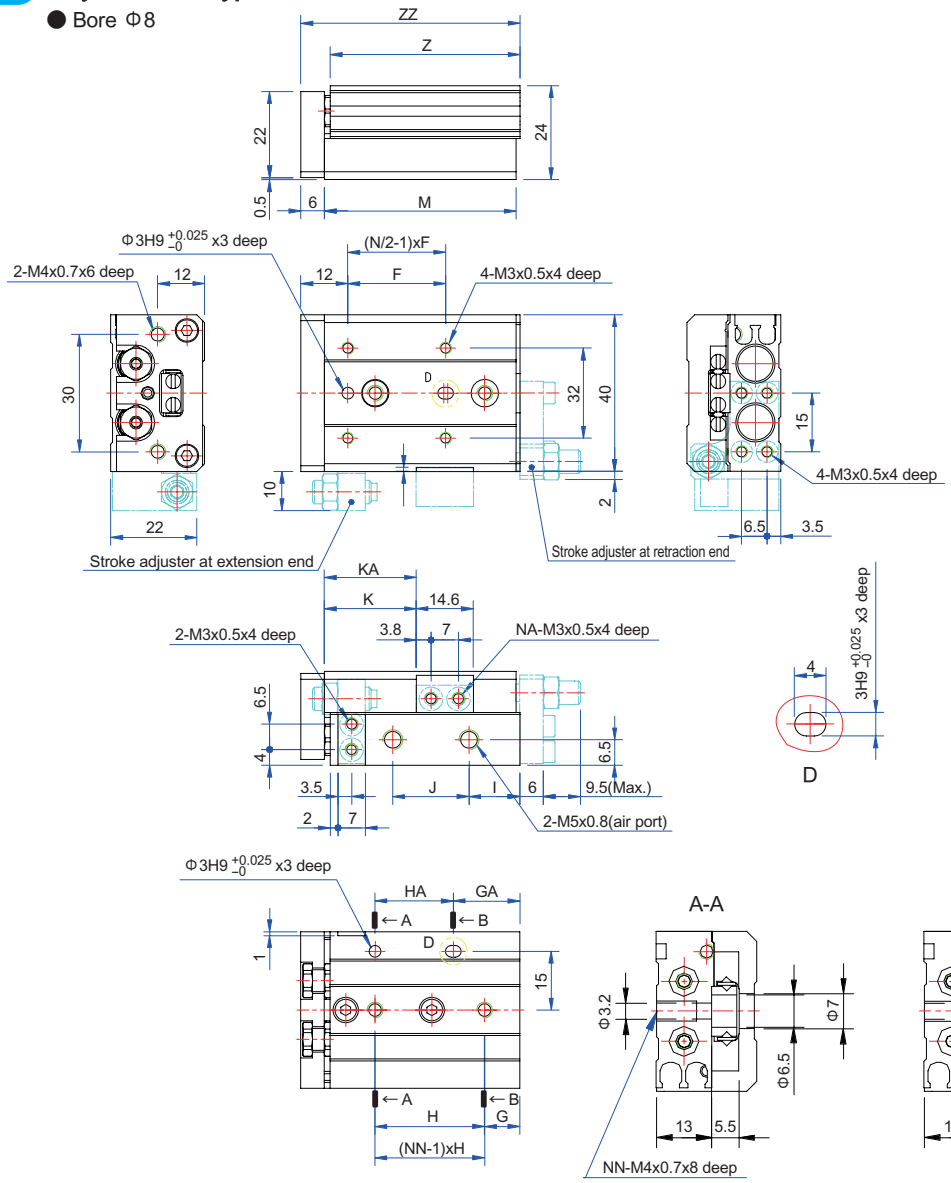


Dimensional table

Mark / Bore	F	G	GA	H	HA	I	J	K	M	N	NN	Z	ZZ
10	20	6	11	25	20	10	17	22.5	42	4	2	41.5	48
20	30	6	21	35	20	10	27	32.5	52	4	2	51.5	58
30	20	11	31	20	20	7	40	42.5	62	6	3	61.5	68
40	28	13	43	30	30	19	50	52.5	84	6	3	83.5	90
50	38	17	41	24	48	25	60	62.5	100	6	4	99.5	106

D7G L symmetrical type / Dimensional features

● Bore Φ8

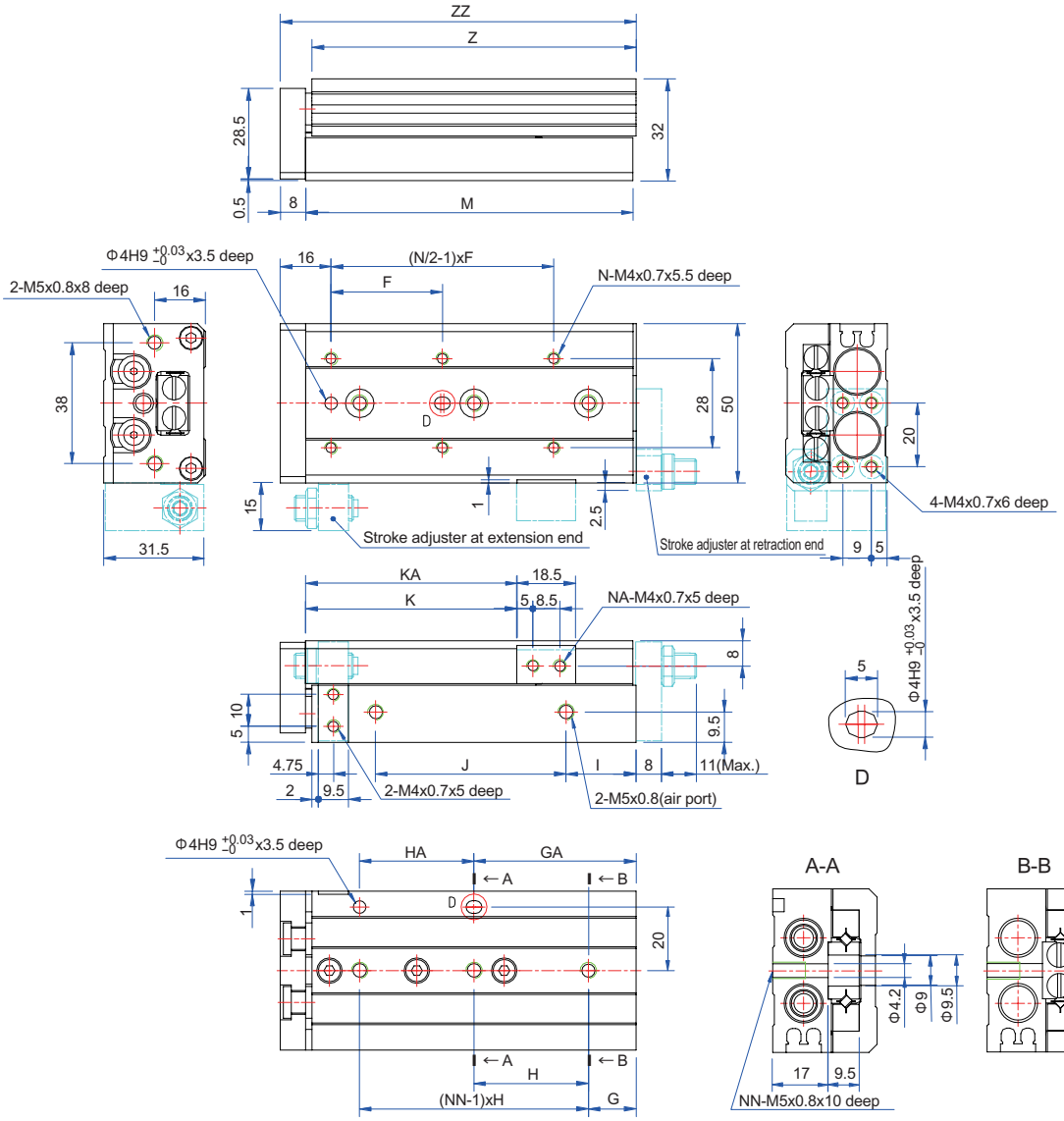


Dimensional table

Mark / Bore	F	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	25	9	17	28	20	13	19.5	23.5	–	49	4	2	2	48.5	56
20	25	12	12	30	30	8.5	29	33.5	–	54	4	2	2	53.5	61
30	40	13	33	20	20	9.5	39	43.5	–	65	4	2	3	64.5	72
40	50	15	43	28	28	10.5	56	53.5	–	83	4	2	3	82.5	90
50	38	20	43	23	46	24.5	60	63.5	82.5	101	6	4	4	100.5	108
75	50	27	83	28	56	38.5	96	88.5	132.5	151	6	4	5	150.5	158

D7G L symmetrical type / Dimensional features

● Bore Φ12

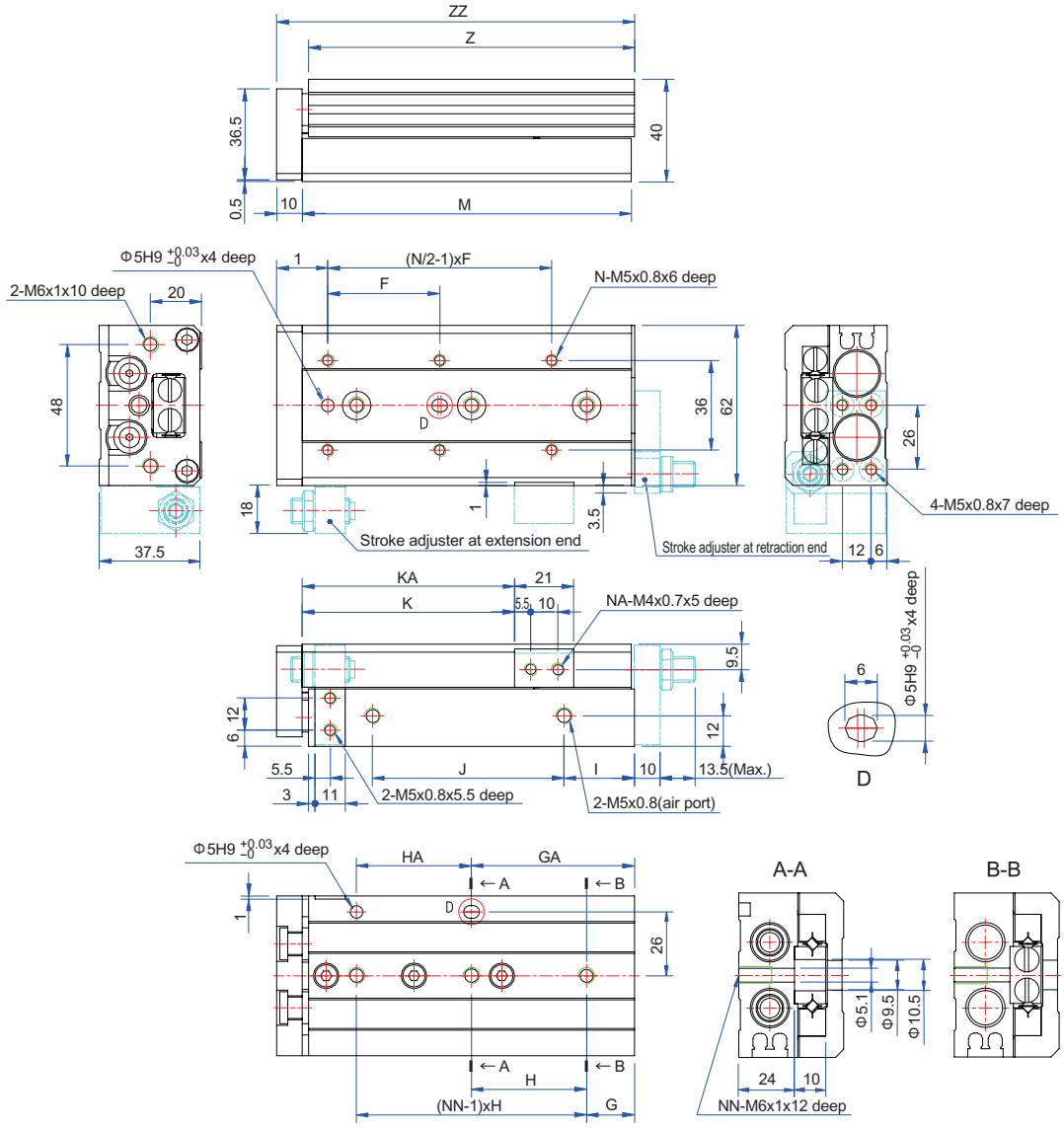


Dimensional table

Mark / Bore	F	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	35	15	15	40	40	10	40	26.5	–	71	4	2	2	70	80
20	35	15	15	40	40	10	40	36.5	–	71	4	2	2	70	80
30	35	15	15	40	40	10	40	46.5	–	71	4	2	2	70	80
40	50	17	42	25	25	10	52	56.5	–	83	4	2	3	82	92
50	35	15	51	36	36	22	60	66.5	–	103	6	2	3	102	112
75	55	25	61	36	72	43	85	91.5	125.5	149	6	4	4	148	158
100	65	35	111	38	76	52	130	116.5	179.5	203	6	4	5	202	212

D7G L symmetrical type / Dimensional features

● Bore Φ16

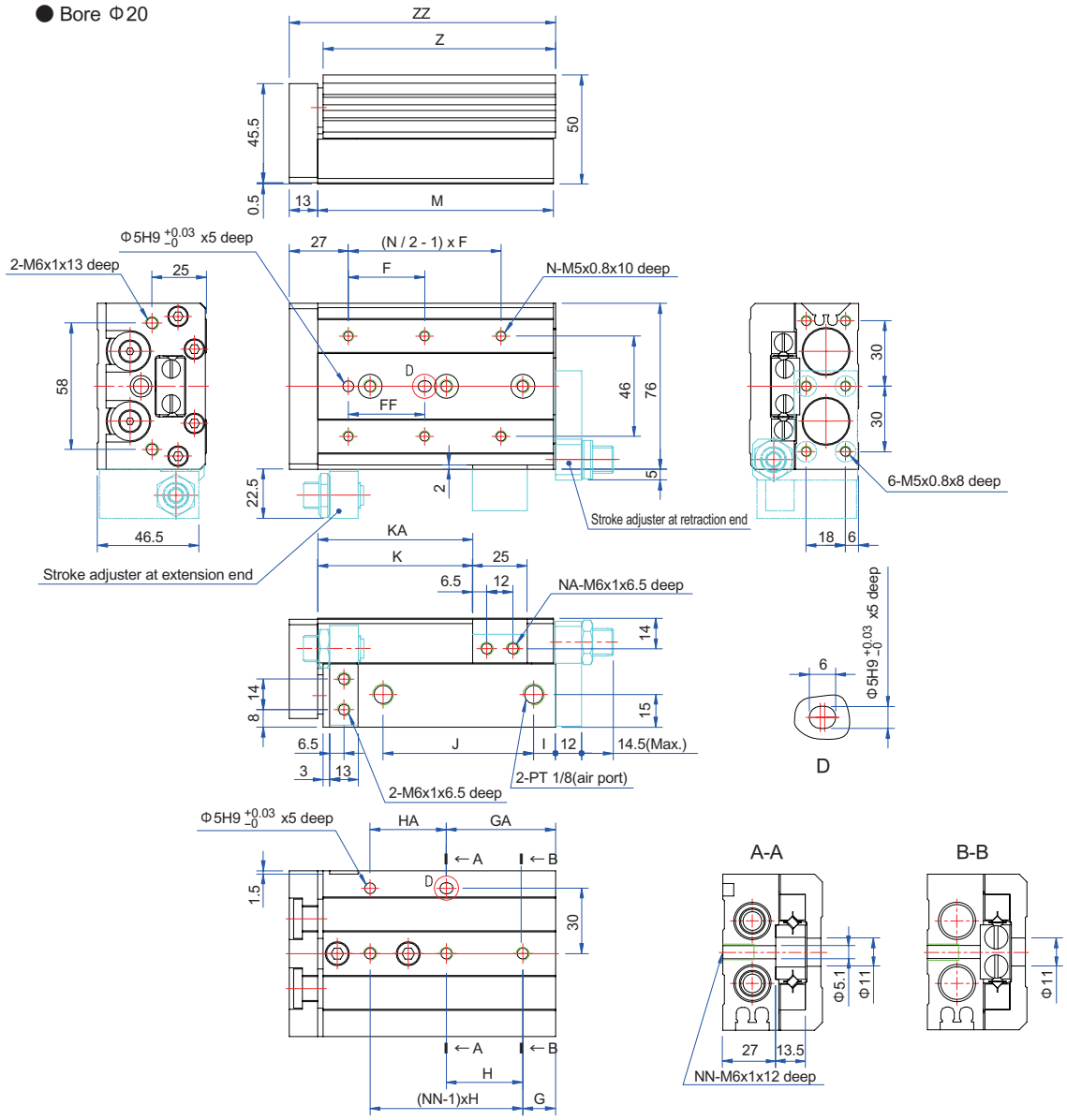


Dimensional table

Mark / Bore	F	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	35	16	16	40	40	10	40	29	-	76	4	2	2	75	87
20	35	16	16	40	40	10	40	39	-	76	4	2	2	75	87
30	35	16	16	40	40	10	40	49	-	76	4	2	2	75	87
40	40	16	16	50	50	10	50	59	-	86	4	2	2	85	97
50	30	21	51	30	30	15	60	69	-	101	6	2	3	100	112
75	55	26	61	35	70	40	85	94	125	151	6	4	4	150	162
100	65	39	109	35	70	55	118	119	173	199	6	4	5	198	210
125	70	19	159	35	70	68	155	144	223	249	8	4	7	248	260

D7G L symmetrical type / Dimensional features

● Bore Φ20

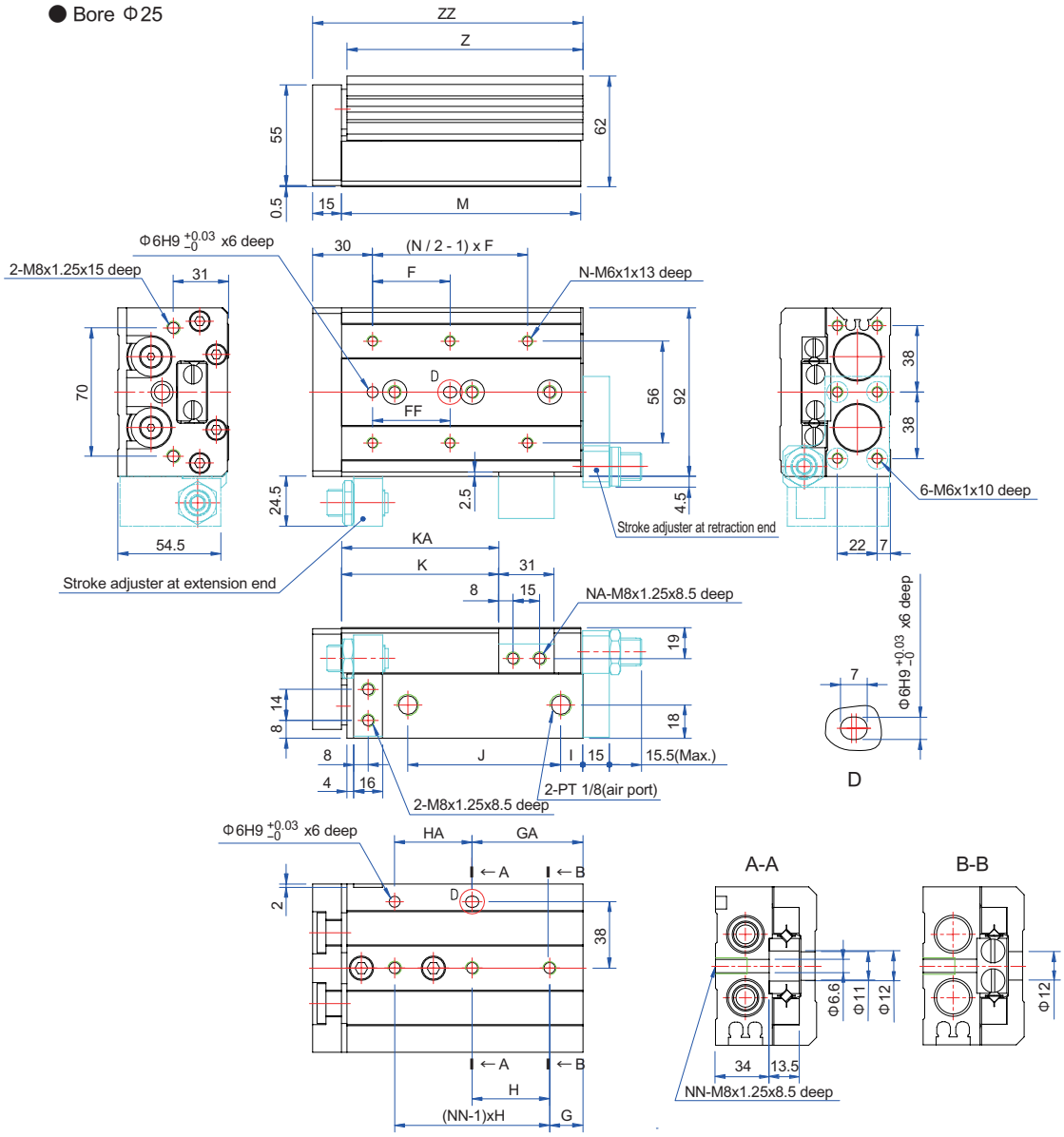


Dimensional table

Mark / Bore	F	FF	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	50	40	15	25	45	35	10	44	31	-	83	4	2	2	81.5	97
20	50	40	15	25	45	35	10	44	41	-	83	4	2	2	81.5	97
30	50	40	15	25	45	35	10	44	51	-	83	4	2	2	81.5	97
40	60	50	15	35	55	35	10	54	61	-	93	4	2	2	91.5	107
50	35	35	15	50	35	35	10	69	71	-	108	6	2	3	106.5	122
75	60	60	19	54	35	70	10	108	96	-	147	6	2	4	145.5	161
100	70	70	37	107	35	70	58	113	121	169	200	6	4	5	198.5	214
125	70	70	41	155	38	76	70	155	146	223	254	8	4	6	252.5	268
150	80	80	19	195	44	88	87	190	171	275	306	8	4	7	304.5	320

D7G L symmetrical type / Dimensional features

● Bore Φ25



Dimensional table

Mark / Bore	F	FF	G	GA	H	HA	I	J	K	KA	M	N	NA	NN	Z	ZZ
10	50	40	22	22	45	45	12	47	35	-	92	4	2	2	90.5	108
20	50	40	22	22	45	45	12	47	45	-	92	4	2	2	90.5	108
30	50	40	22	22	45	45	12	47	55	-	92	4	2	2	90.5	108
40	60	50	22	22	55	55	12	57	65	-	102	4	2	2	100.5	118
50	35	35	20	55	35	35	12	70	75	-	115	6	2	3	113.5	131
75	60	60	26	61	35	35	33	90	100	-	156	6	2	4	154.5	172
100	70	70	32	102	35	35	50	114	125	162	197	6	4	5	195.5	213
125	75	75	40	154	38	38	67	155	150	218	255	8	4	6	253.5	271
150	80	80	30	190	40	40	82	180	175	258	295	8	4	7	293.5	311

How to order

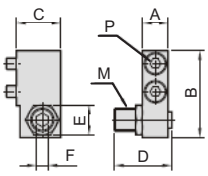
Stroke adjuster

D7G	–	20	–	A	–	5
Type		Bore		Stroke adjuster		Adjustable range
D7G		6：Φ6 8：Φ8 12：Φ12 16：Φ16 20：Φ20 25：Φ25		No code：Without adjuster A：Adjuster at extension end B：Adjuster at retraction end C：Adjuster at both ends D：Absorber at extension end E：Absorber at retraction end F：Absorber at both ends		5：5mm 15：15mm 25：25mm

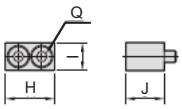
Stroke adjuster at extension end

＊ Size of hexagon socket head cap screws

Mounted to body



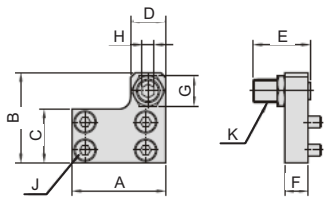
Mounted to table



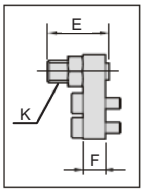
Mark / Bore	Order code	Adjustable stroke range (mm)	Mounted to body								Mounted to table			
			A	B	C	D	E	F	M	P*	H	I	J	Q*
Φ6	D7G-6-A-5	5	6	17.8	10.5	16.5	7	2.5	M5x0.8	M2.5x10	12.5	6	8.5	M2.5x10
	D7G-6-A-15	15				26.5								
Φ8	D7G-8-A-5	5	7	21.5	11	16.5	8	3	M6x1.0	M3x12	14.6	7	15.5	M3x16
	D7G-8-A-15	15				26.5								
	D7G-8-A-25	25				36.5								
Φ12	D7G-12-A-5	5	9.5	31	16	20	12	4	M8x1.0	M4x15	18.5	10	15	M4x15
	D7G-12-A-15	15				30								
	D7G-12-A-25	25				40								
Φ16	D7G-16-A-5	5	11	37	19	24.5	14	5	M10x1.0	M5x18	21	12	18	M5x18
	D7G-16-A-15	15				34.5								
	D7G-16-A-25	25				44.5								
Φ20	D7G-20-A-5	5	13	45.5	24	27.5	17	6	M12x1.25	M6x20	25	13	21	M6x20
	D7G-20-A-15	15				37.5								
	D7G-20-A-25	25				47.5								
Φ25	D7G-25-A-5	5	19	53.5	26.5	32.5	19	6	M14x1.5	M8x25	31	17	25.5	M8x25
	D7G-25-A-15	15				42.5								
	D7G-25-A-25	25				52.5								

Retreat side controller

＊ Size of hexagon socket head cap screws

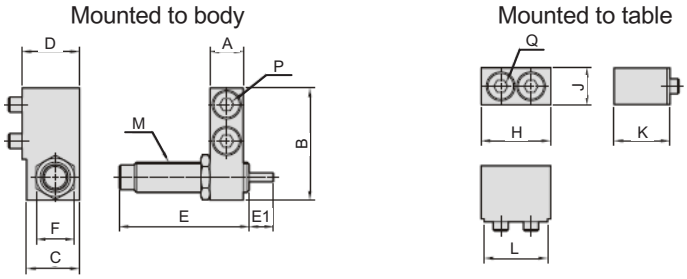


※D7G-6、8



Mark / Bore	Order code	Adjustable stroke range (mm)	A	B	C	D	E	F	G	H	J*	K
Φ6	D7G-6-B-5	5	21	19	10.5	8	16.5	5	7	2.5	M2.5x8	M5x0.8
	D7G-6-B-15	15					26.5					
Φ8	D7G-8-B-5	5	25	22.5	12.5	9	16.5	6	8	3	M3x10	M6x1.0
	D7G-8-B-15	15					26.5					
	D7G-8-B-25	25					36.5					
Φ12	D7G-12-B-5	5	32	31	18.5	13	20	8	12	4	M4x8	M8x1.0
	D7G-12-B-15	15					30					
	D7G-12-B-25	25					40					
Φ16	D7G-16-B-5	5	40	38.5	23	15	24.5	10	14	5	M5x10	M10x1.0
	D7G-16-B-15	15					34.5					
	D7G-16-B-25	25					44.5					
Φ20	D7G-20-B-5	5	50	48	29	21	27.5	12	17	6	M5x12	M12x1.25
	D7G-20-B-15	15					37.5					
	D7G-20-B-25	25					47.5					
Φ25	D7G-25-B-5	5	60	58	35	23	32.5	15	19	6	M6x16	M14x1.5
	D7G-25-B-15	15					42.5					
	D7G-25-B-25	25					52.5					

Stroke adjuster at extension end

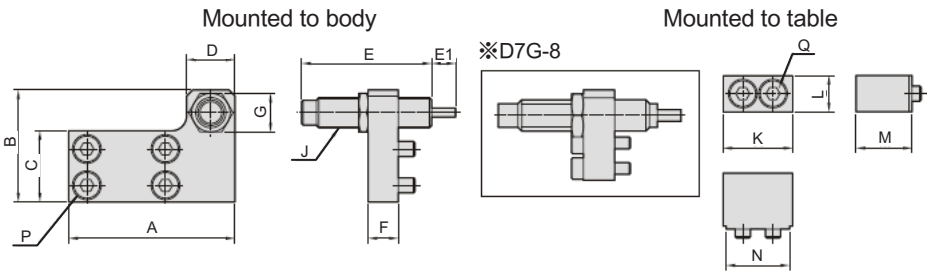


Dimensional table

＊ Size of hexagon socket head cap screws

Mark / Bore	Order code	Mounted to body									Mounted to table				
		A	B	C	D	E	E1	F	M	P*	H	J	K	L	Q*
Φ8	D7G-8-D	7	23	14	15.5	40.6	6	11	M8x1	M3x16	16.6	7	15.5	14.6	M3x16
Φ12	D7G-12-D	9.5	31	14.5	16	40.6	6	11	M8x1	M4x16	20.5	10	15	18.5	M4x12
Φ16	D7G-16-D	11	37	17.5	19	47	7	12.7	M10x1	M5x16	23	12	18.5	21	M5x16
Φ20	D7G-20-D	13	45.5	23.5	26	67	12	19	M14x1.5	M6x25	27	13	25.5	25	M6x25
Φ25	D7G-25-BS	16	53.5	23.5	26.5	67	12	19	M14x1.5	M8x25	33	17	25.5	31	M8x25

Stroke adjuster at retraction end



Dimensional table

＊ Size of hexagon socket head cap screws

Mark / Bore	Order code	Mounted to body										Mounted to table				
		A	B	C	D	E	E1	F	G	J	P*	K	L	M	N	Q*
Φ8	D7G-8-E	38	23	12.5	14	40.6	6	8	12	M8x1	M3x12	16.6	7	15.5	14.6	M3x16
Φ12	D7G-12-E	45	31	18	14	40.6	6	8	11	M8x1	M4x8	20.5	10	15	18.5	M4x12
Φ16	D7G-16-E	55	37	23.5	16	47	7	10	12.7	M10x1	M5x10	23	12	18.5	21	M5x16
Φ20	D7G-20-E	70	47	29	23	67	12	12	19	M14x1.5	M5x12	27	13	25.5	25	M6x25
Φ25	D7G-25-E	80	54	35	23	67	12	15	19	M14x1.5	M6x16	33	17	25.5	31	M8x25