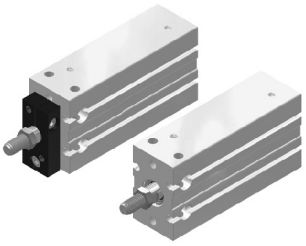
Double acting cylinders

DUA..N
Double Acting - Single End Rod Type

DUA..M
Double Acting - Single End Rod Type (piston with magnet)

DUQ..N
Double Acting - Non-Rotation Guide Type

DUQ..M
Double Acting - Non-Rotation Guide Type (piston with magnet)



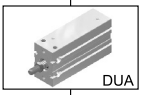
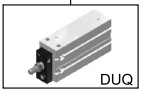
- Magnetic piston (optional).
- Six sides of this cylinder can be attached unto objects for space-saving purpose.

Specification

Bore sizes of cylinder (mm)	φ6	φ10	φ16	φ20	φ25	φ32
Stroke (mm)	5,10,15,20,25,30			5,10,15,20,25,30,40,50		
The range of stroke (mm)	Max. 30			Max. 50		
Power fluid	Filtered air with or without lubrication					
The range of pressure (MPa)	0.3~0.7	0.15~0.7		0.1~0.7		
The range of temperature (℃)	-10~+60					

How to order

DUA 20 M 10 — LN09D × 2

Type

DUA

DUQ

Bore
06—φ6mm
10—φ10mm
16—φ16mm
20—φ20mm
25—φ25mm
32—φ32mm

Magnet
M: With magnet
N: No magnet

Stroke
5—5mm
10—10mm
15—15mm
20—20mm
25—25mm
30—30mm
40—40mm
50—50mm

Sensor switch

LN09D

Quantity
1: 1pc
2: 2pcs

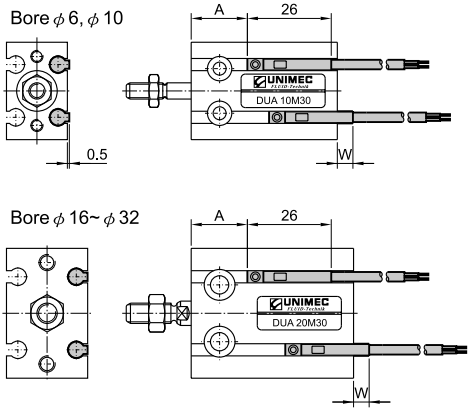
Note:
1.Can choose NPN or PNP type (3-Wire type, 24VDC).
2.Can choose plug-in cable.
3.For details see page 4-1.5.

Cylinder bore and stroke

Type	Bore	Standard stroke										with magnet cylinder stroke									
		5	10	15	20	25	30	35	40	45	50	5	10	15	20	25	30	35	40	45	50
DUA-□ Double acting - Single end rod	ϕ6	—	—	—	—	—	—	—	—	—	—	●	●	●	●	●	●	—	—	—	—
	ϕ10	—	—	—	—	—	—	—	—	—	—	●	●	●	●	●	●	—	—	—	—
	ϕ16	●	●	●	●	●	●	—	—	—	—	●	●	●	●	●	●	—	—	—	—
	ϕ20	●	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●
	ϕ25	●	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●
	ϕ32	●	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●
DUQ-□ Double acting - non-rotation guide type	ϕ16	●	●	●	●	●	●	—	—	—	—	●	●	●	●	●	●	—	—	—	—
	ϕ20	●	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●
	ϕ25	●	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●
	ϕ32	●	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●

Installation of sensor switchs

● **DUA..M** TYPE



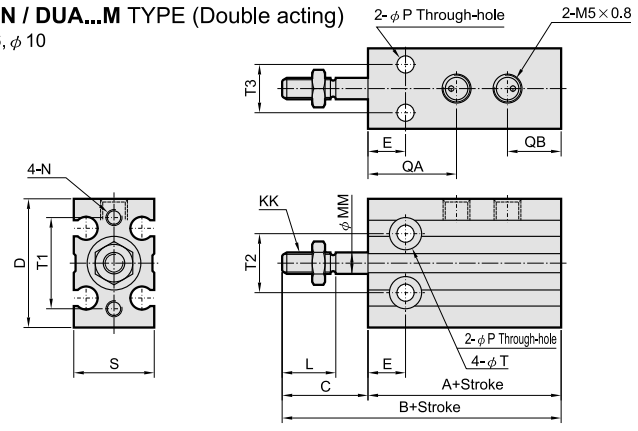
Dimensional Table

Bore	Sensor switch	A	W
ϕ6	LN09D	16.5	9.5
ϕ10	LN09D	15.5	5.5
ϕ16	LN09D	19	5
ϕ20	LN09D	23	3
ϕ25	LN09D	25.5	1.5
ϕ30	LN09D	26.5	0.5

Double acting - Standard type

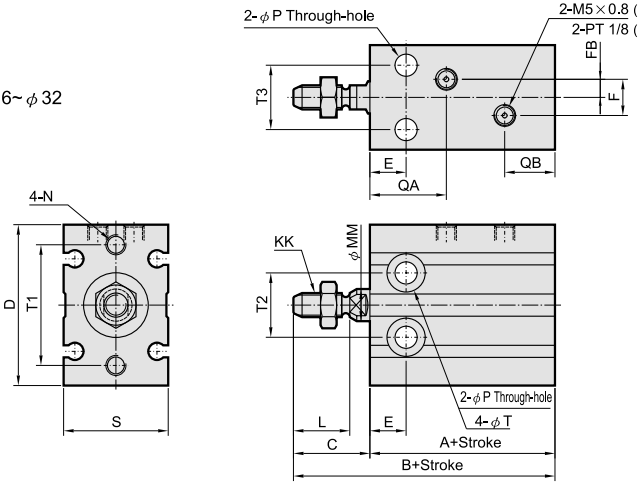
● **DUA...N / DUA...M** TYPE (Double acting)
Bore ϕ6, ϕ10

DUA□N
DUA□M



Bore ϕ16~ϕ32

DUA□N
DUA□M



Dimensional Table

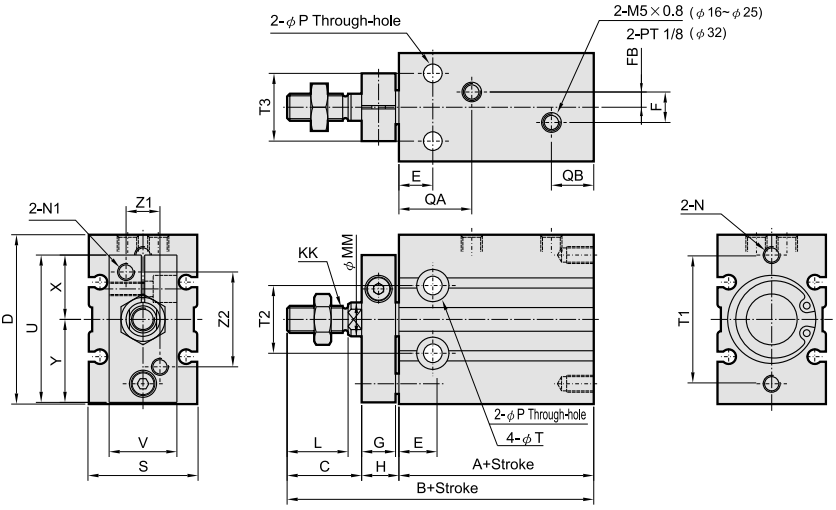
Bore	Stroke	DUA...N A	DUA...N B	DUA...M A	DUA...M B	C	D	E	F	FB	L	KK	MM	N	P	QA	QB
ϕ6	5~30	—	—	33	46	13	22	7	—	—	7	M3×0.5	3	M3×0.5P×5dp	3.2	15	10
ϕ10	5~30	—	—	36	52	16	24	7	—	—	10	M4×0.7	4	M3×0.5P×5dp	3.2	15	11
ϕ16	5~30	30	46	40	56	16	32	7	4	2	12.5	M5×0.8	6	M4×0.7P×6dp	4.3	14	11.5
ϕ20	5~50	36	55	46	65	19	40	9	9	4.5	14	M6×1.0	8	M5×0.8P×8dp	5.2	18	12.5
ϕ25	5~50	40	63	50	73	23	50	10	9	4.5	18	M8×1.25	10	M5×0.8P×8dp	5.5	21.5	12.5
ϕ32	5~50	42	69	52	79	27	62	11	13.5	4.5	22	M10×1.25	12	M6×1.0P×9dp	6.6	23	13

Bore	Stroke	S	T	T1	T2	T3
ϕ6	5~30	13	ϕ6×4.8dp	17	10	7
ϕ10	5~30	15	ϕ6×5dp	18	11	9
ϕ16	5~30	20	ϕ7.6×6.5dp	25	14	12
ϕ20	5~50	26	ϕ9×7.6dp	30	16	16
ϕ25	5~50	32	ϕ9.5×9dp	38	20	20
ϕ32	5~50	40	ϕ11×11.5dp	48	24	24

Double acting - Non-Rotation Guide type

● **DUQ...N / DUQ...M** TYPE (Double acting)
Bore ϕ16~ϕ32

DUQ□N
DUQ□M



Dimensional Table

Bore	Stroke	DUQ...N A	DUQ...N B	DUQ...M A	DUQ...M B	C	D	E	F	FB	G	H	L	KK	MM	N	N1
ϕ16	5~30	30	56	40	66	17	32	7	4	2	8	9	12.5	M5×0.8	6	M4×0.7P×6dp	M4
ϕ20	5~50	36	65	46	75	20	40	9	9	4.5	8	9	14	M6×1.0	8	M5×0.8P×8dp	M4
ϕ25	5~50	40	73	50	83	22	50	10	9	4.5	10	11	18	M8×1.25	10	M5×0.8P×8dp	M5
ϕ32	5~50	42	84	52	94	29	62	11	13.5	4.5	12	13	22	M10×1.25	12	M6×1.0P×9dp	M5

Bore	Stroke	P	QA	QB	S	T	T1	T2	T3	U	V	X	Y	Z1	Z2	
ϕ16	5~30	4.3	14	11.5	20	ϕ7.6×6.5dp	25	14	12	28	13	12.5	15.5	6	18	
ϕ20	5~50	5.2	18	12.5	26	ϕ9×7.6dp	30	16	16	33	16	13.5	19.5	8	20	
ϕ25	5~50	5.5	21.5	12.5	32	ϕ9.5×9dp	38	20	20	43.5	20	19	24.5	10	28	
ϕ32	5~50	6.6	23	13	40	ϕ11×11.5dp	48	24	24	51.5	24	21	30.5	12	32	