

Double acting cylinders

DUA..N

Double Acting - Single End Rod Type



DUA..M

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



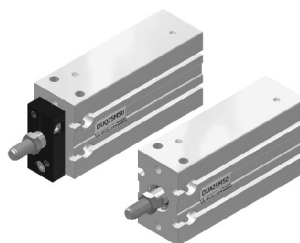
DUQ..N

Double Acting - Non-Rotation Guide Type



DUQ..M

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

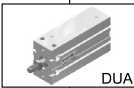

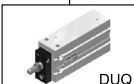


- Magnetic piston (optional).
- Six sides of this cylinder can be attached unto objects for space-saving purpose.

Specification

Bore sizes of cylinder (mm)	φ 6	φ 10	φ 16	φ 20	φ 25	φ 32
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 (°C)	-10~+60					

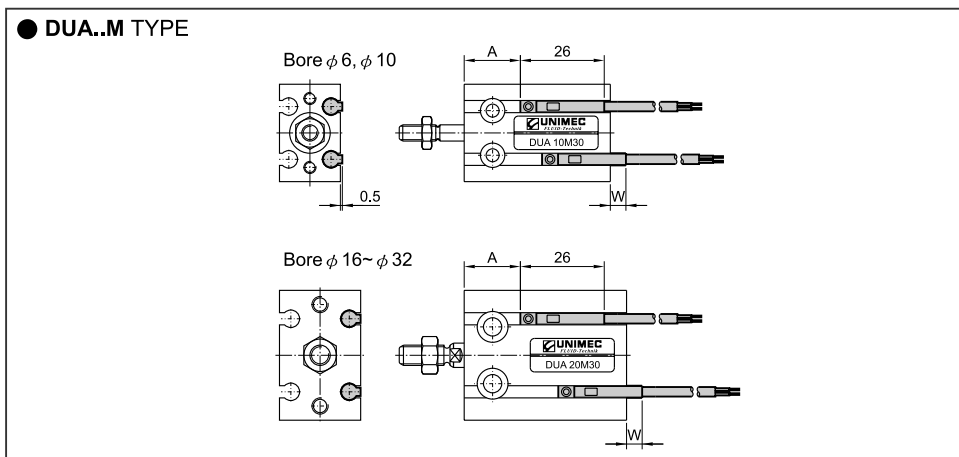
How to order

DUA	20	M	10	—	LN09D	×	2
Type	Bore	Magnet	Stroke		Sensor switch		Quantity
 DUA	06—φ 6mm 10—φ 10mm 16—φ 16mm 20—φ 20mm 25—φ 25mm 32—φ 32mm	M: With magnet N: No magnet	5—5mm 10—10mm 15—15mm 20—20mm 25—25mm 30—30mm 40—40mm 50—50mm		 LN09D		1: 1pc 2: 2pcs
 DUQ							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	φ 6	—	—	—	—	—	—	—	—	—	—	●	●	●	●	●	●	—	—	—	—
	φ 10	—	—	—	—	—	—	—	—	—	—	●	●	●	●	●	●	—	—	—	—
	φ 16	●	●	●	●	●	●	—	—	—	—	●	●	●	●	●	●	—	—	—	—
	φ 20	●	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●
	φ 25	●	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●
DUQ-□ Double acting - non-rotation guide type	φ 16	●	●	●	●	●	—	—	—	—	●	●	●	●	●	●	—	—	—	—	
	φ 20	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●	
	φ 25	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●	
	φ 32	●	●	●	●	●	—	●	—	●	●	●	●	●	●	●	—	●	—	●	

Installation of sensor switches



Dimensional Table

Bore	Sensor switch	A	W
φ 6	LN09D	16.5	9.5
φ 10	LN09D	15.5	5.5
φ 16	LN09D	19	5
φ 20	LN09D	23	3
φ 25	LN09D	25.5	1.5
φ 30	LN09D	26.5	0.5

DA

DP

DS

DQ

DB

DN

BN

ST

NT

DU

DJ

TA

GP

GS

GM

GT

RT

CT

CH



Double acting - Standard type

● **DUA...N / DUA...M TYPE (Double acting)**
Bore φ 6, φ 10

● **DUA...N / DUA...M TYPE (Double acting)**
Bore φ 16~ φ 32

Legend: DUA...N, DUA...M

Dimensional Table

Bore	Stroke	DUA...N		DUA...M		C	D	E	F	FB	L	KK	MM	N	P	QA	QB
		A	B	A	B												
φ 6	5~30	—	—	33	46	13	22	7	—	—	7	M3 × 0.5	3	M3 × 0.5P × 5dp	3.2	15	10
φ 10	5~30	—	—	36	52	16	24	7	—	—	10	M4 × 0.7	4	M3 × 0.5P × 5dp	3.2	15	11
φ 16	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
φ 20	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
φ 25	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
φ 32	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

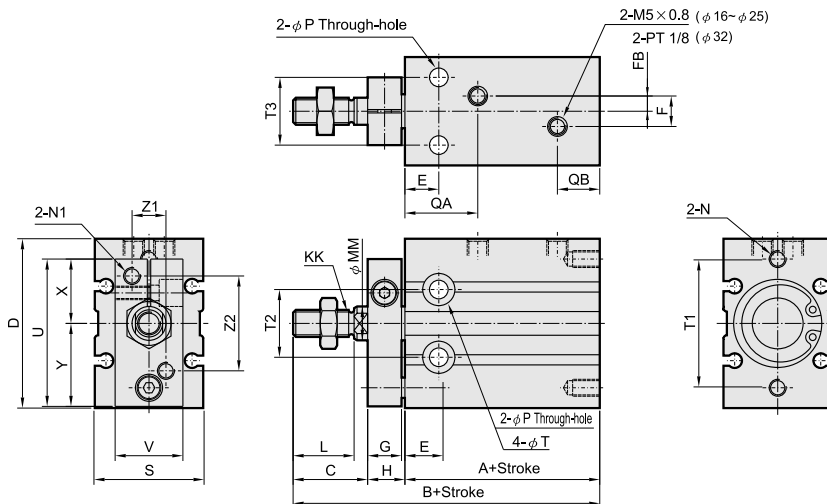
Bore	Stroke	S	T	T1	T2	T3
φ 6	5~30	13	φ 6 × 4.8dp	17	10	7
φ 10	5~30	15	φ 6 × 5dp	18	11	9
φ 16	5~30	20	φ 7.6 × 6.5dp	25	14	12
φ 20	5~50	26	φ 9 × 7.6dp	30	16	16
φ 25	5~50	32	φ 9.5 × 9dp	38	20	20
φ 32	5~50	40	φ 11 × 11.5dp	48	24	24



Double acting - Non-Rotation Guide type

● DUQ...N / DUQ...M TYPE (Double acting)

Bore φ 16~ φ 32



Dimensional Table

Bore	Stroke	DUQ...N		DUQ...M		C	D	E	F	FB	G	H	L	KK	MM	N	N1
		A	B	A	B												
φ 16	5~30	30	56	40	66	17	32	7	4	2	8	9	12.5	M5×0.8	6	M4×0.7P×6dp	M4
φ 20	5~50	36	65	46	75	20	40	9	9	4.5	8	9	14	M6×1.0	8	M5×0.8P×8dp	M4
φ 25	5~50	40	73	50	83	22	50	10	9	4.5	10	11	18	M8×1.25	10	M5×0.8P×8dp	M5
φ 32	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
φ 16	5~30	4.3	14	11.5	20	φ 7.6×6.5dp	25	14	12	28	13	12.5	15.5	6	18
φ 20	5~50	5.2	18	12.5	26	φ 9×7.6dp	30	16	16	33	16	13.5	19.5	8	20
φ 25	5~50	5.5	21.5	12.5	32	φ 9.5×9dp	38	20	20	43.5	20	19	24.5	10	28
φ 32	5~50	6.6	23	13	40	φ 11×11.5dp	48	24	24	51.5	24	21	30.5	12	32

DA

DP

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