


CDQ2B 20 × 25D

CDQ2B 40 × 25

CQ2B 32 × 30-M
Ordering Code
CQ2
Series Code

CQ2:Normal Type
CDQ2:Attach magnet Type


Mounting Style

B:With through bore
A:With female thread on both ends

12
×
10
D
Cylinder Bore

Single action:12mm-50mm
Double action:12mm-100mm

Stroke

0~100mm

Action

D:Double action
S:Single action(with spring return)
T:Single action(with spring extent)


Cylinder body (optional)

Blank:Inner Thread Type
M:Thread Outer Type
C:With Cushion

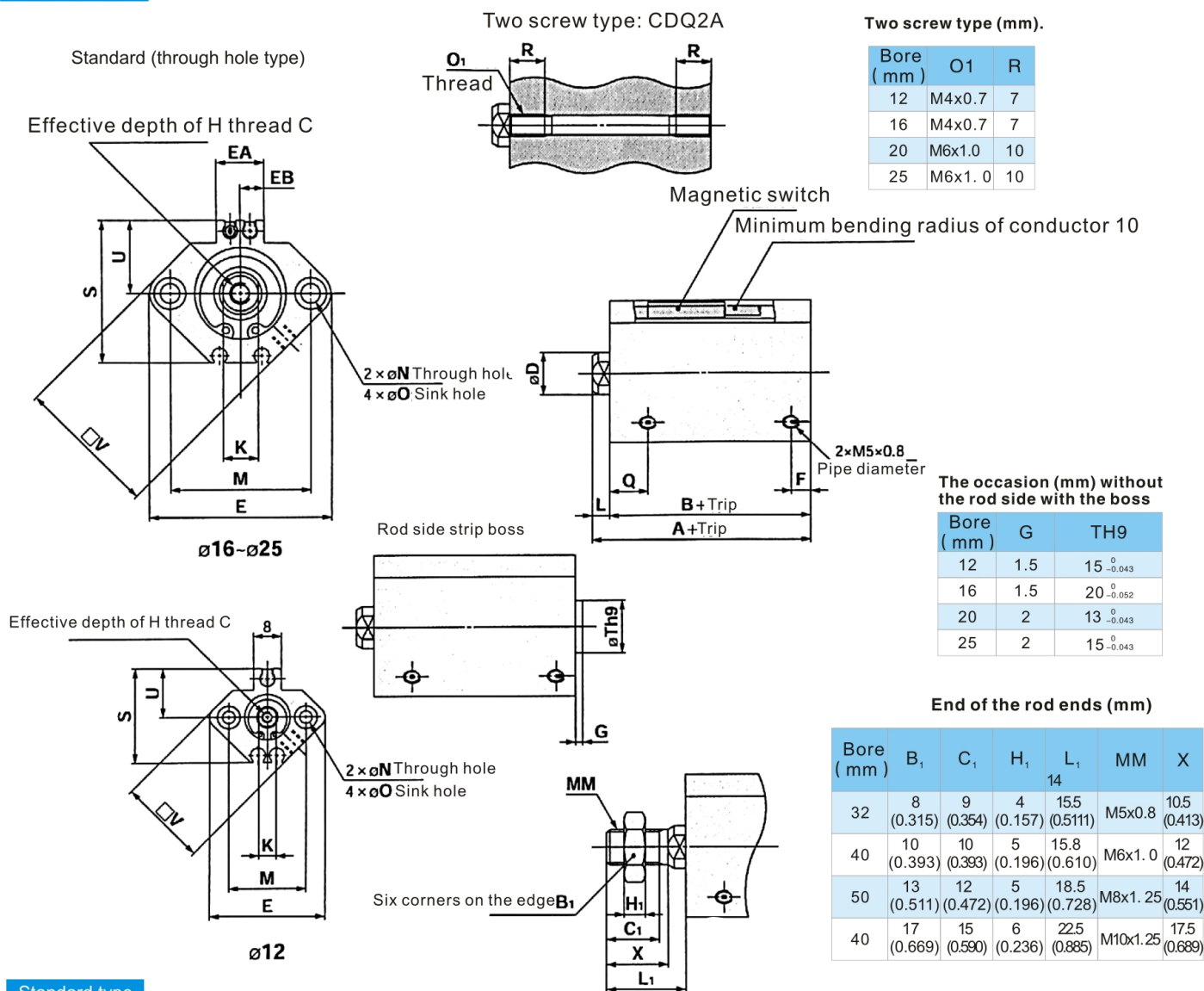
Specifcation

Bore(mm)	12	16	20	25	32	40	50	63	80	100
Working Medium	Air									
Motion Pattern	Double action/Single Action Extrusion type/Single Action Drawing-in Type									
Ensured Pressure Resistance	217Psi(1.5Mpa)									
Max.pressure	145Psi(1.0Mpa)									
Environment and fluid temp	5~+60℃(41~140°F)									
Thread Type	Inner Thread(Standard)/Outer Thread(Optional)									
Buffering	NO									
Margin of Stroke Error(mm)	+1.0 0									
Installation	Through Hole (Standard), Inner size on the two sides(Optional)									
Port size	10-32U				NPT1/8"		NPT1/4"		NPT3/8"	

■ Note:Pls Confirm Single Type Can't With Cushion.

Φ 12~Φ 25 Magnetic switch

Flow Chart

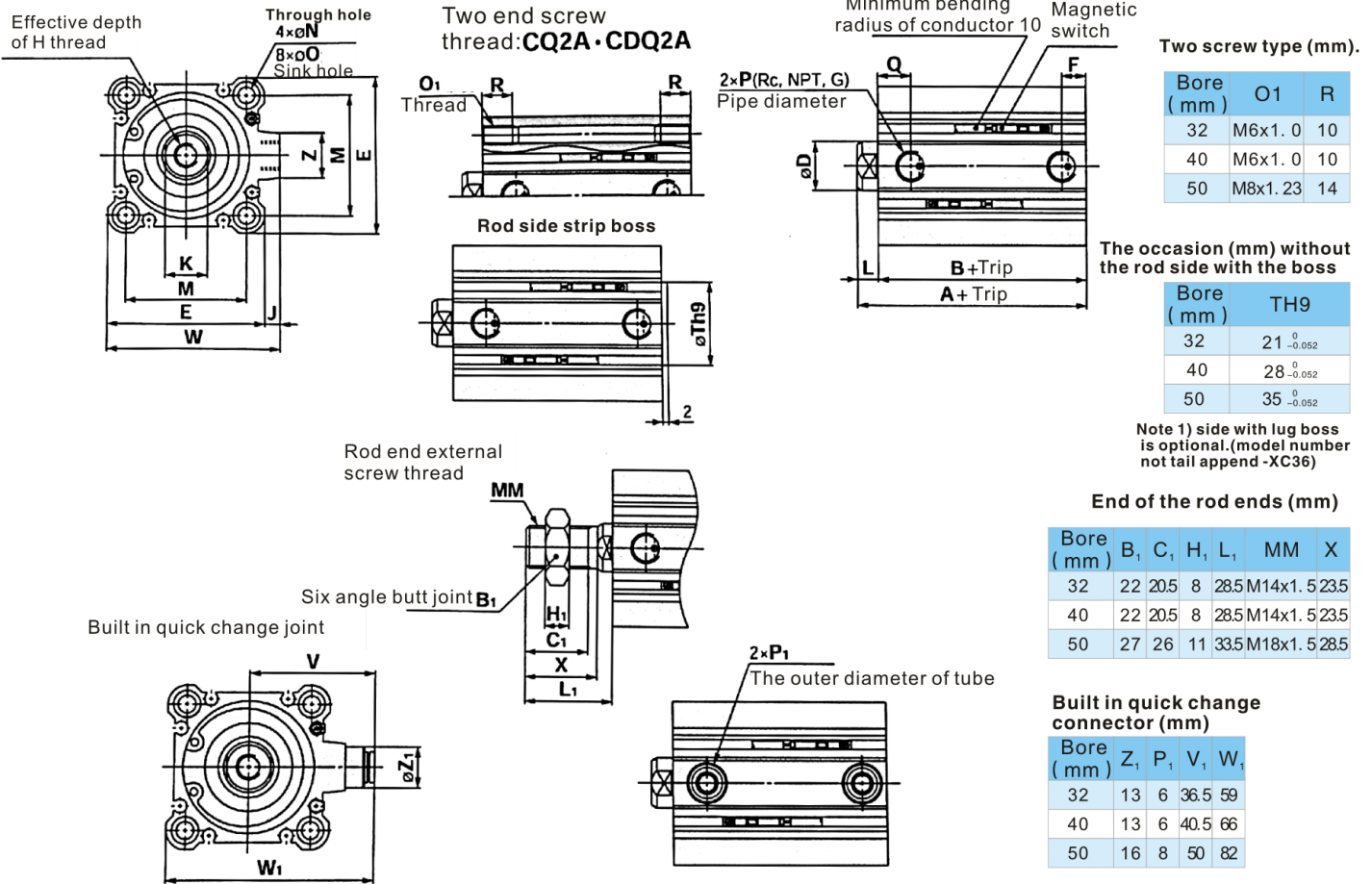


Standard type

		(mm)																	
Bore (mm)	Travel range (mm)	A	B	C	D	E	EA	EB	F	H	K	L	M	N	O	Q	S	U	V
12	5-30 (0.196~1.181)	31.5 (1.240)	28 (1.102)	6 (0.236)	6 (0.236)	33 (1.299)	-	-	5	M3x0.5	5 (0.196)	3.5 (0.137)	22 (0.966)	3.5 (0.137)	6.5deep3.5 (0.255/0.137)	11 (0.433)	27.5 (1.082)	14 (0.551)	25 (0.984)
16	50-30 (0.196~1.181)	34 (1.336)	30.5 (1.200)	8 (0.315)	8 (0.393)	37 (1.456)	13.2 (0.519)	6.6	6 (0.259)	M4x0.7	6 (0.236)	3.5 (0.137)	28 (1.103)	3.5 (0.137)	6.5deep3.5 (0.255/0.137)	10 (0.393)	29.5 (1.161)	15 (0.490)	29 (1.141)
20	50-50 (0.196~1.168)	36 (1.417)	31.5 (1.240)	7 (0.275)	10 (0.472)	47 (1.850)	13.6 (0.535)	6.8	8 (0.259)	M5x0.8	8 (0.315)	4.5 (0.077)	36 (1.417)	5.5 (0.216)	9deep7 (0.354/0.275)	10.5 (0.103)	35.5 (1.397)	18 (0.758)	36 (1.417)
25	5-50 (0.196~1.168)	37.5 (1.476)	32.5 (1.279)	12 (0.472)	12 (0.472)	52 (2.047)	13.6 (0.535)	6.8	10 (0.535)	M6x1.0	10 (0.393)	5 (0.196)	40 (1.574)	5.5 (0.216)	9deep7 (0.354/0.275)	11 (0.433)	40.5 (1.594)	21 (0.826)	40 (1.574)

Φ 32~50 with magnetic switch (no magnetic switch occasion, only A, B, F, P, Q size change, please see the size table.)

Standard (through hole type)
CQ2B-CDQ2B



Standard type

(mm)

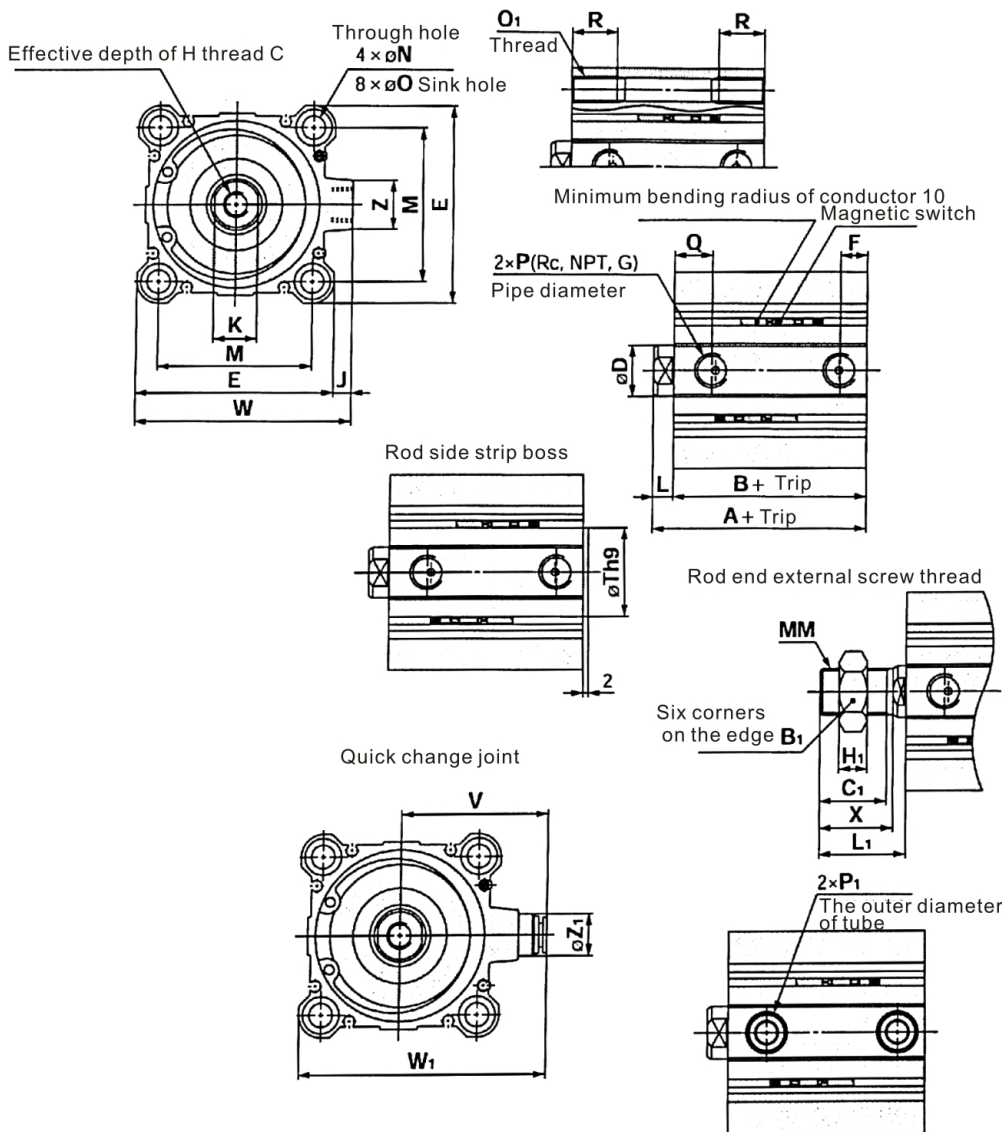
Bore (mm)	Travel range (mm)	nothing switch					Magnetic switch					C	D	E	H	J	K	L	M	N
		A	B	F	P	Q	A	B	F	P	Q									
15-70	5 (0.196)	30	23	5.5 (0.216)	10-324	11.5 (0.452)														
	10-50 (0.393-1.968)			7.5 (0.295)	1/8	10.5 (0.413)	40	33	7.5	1/8	10.5	13	16	45	M8x1.23 (1.771)	4.5	14	7	34	5.5
	75,100 (2.952-3.937)	40	33				(1.574)	(1.599)	(1.599)	(0.295)	(0.4134)	(0.511)	(0.511)	(0.629)		(0.1772)	(0.551)	(0.275)	(1.338)	(0.216)
40	10-50 (0.393-1.968)	36.5	29.5																	
		(1.451)	(1.161)	8	1/8	11	46.5	39.5	8	1/8	11	13	16	52	M8x1.25 (2.047)	5	14	7	40	5.5
	75,100 (2.952-3.937)	46.5	39.5	(0.315)		(0.433)	(1.830)	(1.830)	(1.555)	(0.315)	(0.433)	(0.511)	(0.511)			(0.196)	(0.551)	(0.275)	(1.574)	(0.216)
50	10-50 (0.393-1.968)	38.5	30.5																	
		(1.515)	(1.209)	10.5	1/4	10.5	48.5	40.5	10.5	1/4	10.5	15	20	64	M10x1.5 (0.519)	7	17	8	50	6.6
	75,100 (2.952-3.937)	48.5	40.5	(0.413)		(0.4734)	(1.909)	(1.908)	(1.594)	(0.413)	(0.4134)	(0.590)	(0.590)	(0.787)		(0.275)	(0.669)	(0.315)	(1.968)	(0.259)

Bore (mm)	O	W	Z
32	9deep7	49.5	14
40	9deep7	57	15
50	11deep8	71	19

Φ 63~100 with magnetic switch (no magnetic switch occasion, only A, B, F, P, Q size change, please see the size table.)

Standard (through hole type)
CQ2B-CDQ2B

Both ends of the through hole type:CQ2A • CDQ2A



Two screw type (mm).

Bore (mm)	O1	R
63	M10x1.5	18
80	M12x1.75	22
100	M12x1.75	22

The occasion (mm) without the rod side with the boss

Bore (mm)	TH9
63	35 ⁰ _{-0.052}
80	43 ⁰ _{-0.052}
100	59 ⁰ _{-0.052}

Note 1) side with lug boss is optional.(model number not tail append -XC36)

End of the rod ends (mm)

Bore (mm)	B ₁	C ₁	H ₁	L ₁	MM	X
63	27	26	11	33.5	M18x1.5	28.5
80	32	32.5	13	43.5	M22x1.5	35.5
100	41	32.5	16	43.5	M26x1.5	35.5

Built in quick change connector (mm)

Bore (mm)	Z ₁	P ₁	V ₁	W ₁
63	16	8	56.5	95

Standard type

Bore (mm)	Travel range (mm)	nothing switch		Magnetic switch		C	D	E	F	H	J	K	L	M	N	O	P	Q	W	Z
		A	B	A	B															
63	10-50 (0.393-1.968)	44 (1.732)	36 (1.417)	54 (2.126)	46 (1.811)	15 (0.590)	20 (0.787)	77 (3.031)	10.5 (0.413)	M10x1.5 (0.275)	7 (0.275)	17 (0.669)	8 (0.315)	60 (3.362)	9 (0.354)	14deep10.5 (0.551/0.413)	1/4	15 (0.590)	84 (3.307)	19 (0.748)
	75,100 (2.952-3.937)	54 (2.126)	46 (1.811)																	
80	10-50 (0.393-1.968)	53.5 (2.106)	43.5 (1.712)	63.5 (2.5)	53.5 (2.106)	21 (0.826)	25 (0.984)	98 (3.858)	12.5 (0.495)	M16x2.0 (0.216)	6 (0.216)	22 (0.866)	10 (0.393)	77 (3.031)	11 (0.433)	17.5deep13.5 (0.689/0.531)	3/8	16 (0.629)	104 (4.094)	25 (0.984)
	75,100 (2.952-3.937)	63.5 (2.5)	53.5 (2.106)																	
100	10-50 (0.393-1.968)	65 (2.559)	53 (2.086)	75 (2.952)	63 (2.489)	27 (0.063)	30 (1.181)	117 (4.606)	13 (0.511)	M20x2.5 (0.055)	6.5 (0.055)	27 (1.063)	12 (0.471)	94 (3.70)	11 (0.433)	17.5deep13.5 (0.689/0.531)	3/8	23 (0.905)	123.5 (4.862)	25 (0.984)
	75,100 (2.952-3.937)	75 (2.952)	63 (2.489)																	