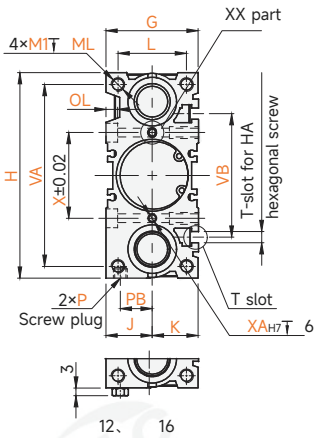
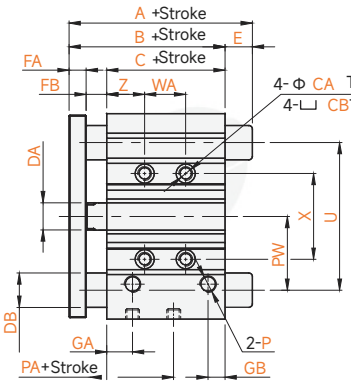
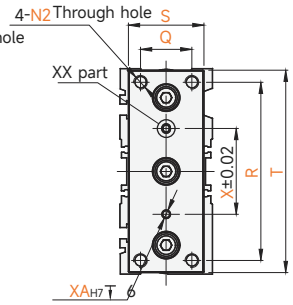
Order guide
G QG D - 12 - 10 - 2
Major category / Series / Category / ❶Bore / ❷Stroke / ❸Magnetic switches
◉ Please refer to the series code to select the type and parameters for ordering.

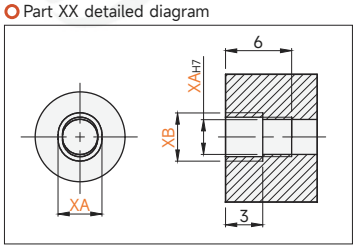
Code	Type	INST method	Action form
GQGD	Guide rod thin	Sliding bearing	Double acting

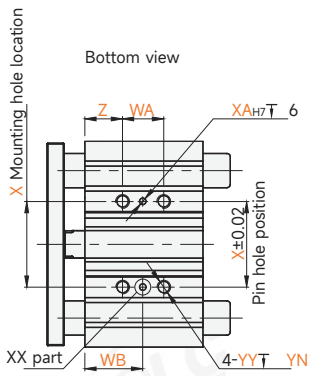




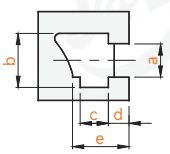


◉ Part XX detailed diagram





◉ T-slot size



Bore	a	b	C	d	e
12	4.4	7.4	3.7	2	6.2
16				2.5	6.7
20	5.4	8.4	4.5	2.8	7.8
25				3	8.2

◉ The pin hole (× AH7 deep 6) is used as the reference, on the other hand, the XX part uses a long hole (width XA, length XB, depth 3), which can moderate the machining accuracy between the 2 points of the pin.
◉ Cylinder bore 12,16 are only with M5×0.8 through-hole.

Perspective standard: first perspective

Bore	B	C	DA	FA	FB	G	GA	GB	H	HA	J	K	L	M1	ML	N2	CA	CB	CN	P	PA	PB	PW	Q	R	S	T	U	VA	VB
12	42	29	6	7	6	26	10	7	58	M4	13	13	18	M4×0.7	10	M4×0.7	4.3	8	4.6	M5×0.8	13	8	18	14	48	22	56	41	50	37
16	46	33	8			30	10.5	7.5	64		15	15	22	M5×0.8	12	M5×0.8					14.5	10	19	16	54	25	62	46	56	38
20	53	37	10	8	8	36	11.5	9	83	M5	18	18	24		13		5.4	9.5	5.6	Rc1/8	13.5	10.5	25	18	70	30	81	54	72	44
25	53.5	37.5		9	7	42		10	93		21	21	30	M6×1.0	15	M6×1.0					12.5	13.5	30	26	78	38	91	64	82	50

Bore	WA					WB					X	XA	XB	YY	YN	Z	Plain bearing size									
																	A				DB	E				
	Stroke 30	Stroke 30~100	Stroke 125~200	Stroke 250~300	Stroke 300	Stroke 30	Stroke 30~100	Stroke 125~200	Stroke 250~300	Stroke 300							Stroke 50	Stroke 50~100	Stroke 125~250	Stroke 250		Stroke 50	Stroke 50~100	Stroke 125~250	Stroke 250	
12	20	40	110		—	15	25	60	105	—	23			M5	10.1	5	42	60.5	82.5	82.5	8		18.5	40.5	40.5	
16				200		17	27				24	3	3.5				46	64.5	92.5	92.5	10	0		46.5	46.5	
20	24	44	120		300	29	39	77	117	167	28			M6	12.1	17	53	77.5	77.5	110	12		24.5	24.5	57	
25											34	4	4.5				53.5			109.5	16		24	24	56	

Model		Stroke ❷	Magnetic switches ❸	Buffer	Pipe thread	Use fluid	Max. operating pressure MPa	Min. operating pressure MPa	Guaranteed pressure resistance MPa	Ambient&fluid temperature	Piston using speed mm/s	Travel Tolerance	Oiling
Code	Bore ❶												
GQGD	12	10 20 30 40 50 75	0	Rubber on both sides	M5	Air	1.0	0.12	1.5	-10~60°C Unfrozen	50~500	+1.5 0	Unnecessary
	16	100 125 150 175 200 250											
	20	20 30 40 50 75 100 125	2		Rc1/8			0.10					
	25	150 175 200 250 300 350 400											

◉ Optional magnetic switch GQHS-R-L2-2.

Pneumatic Cylinder