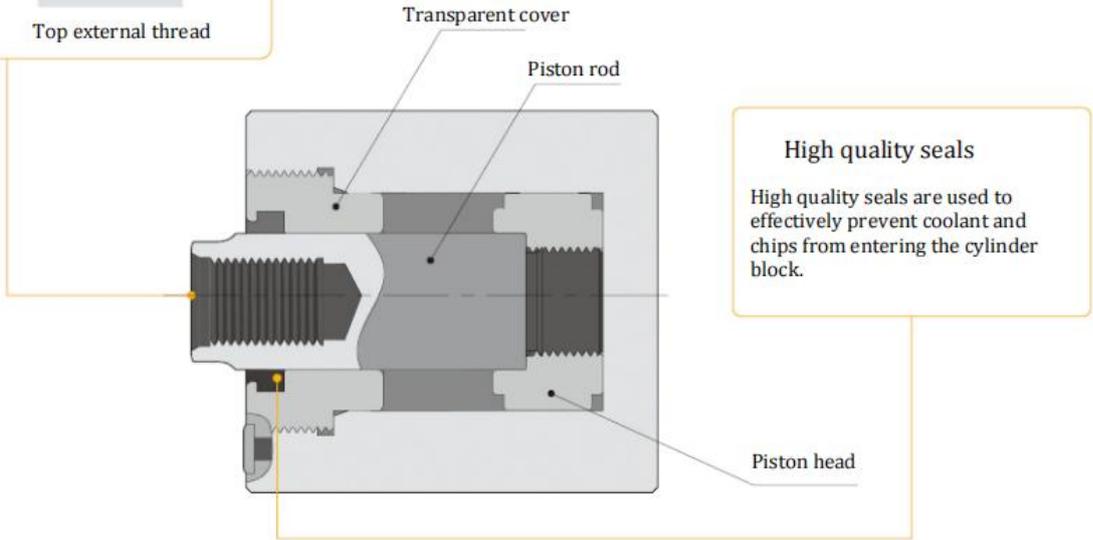
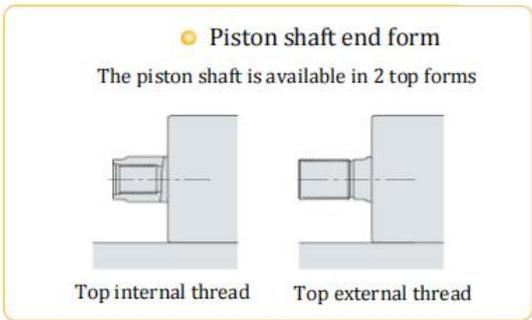


YBG-ZBQ/ZBH oil pressure axial front/back oil-circuit plate thin cylinder

Pressure Range
20-140kg/cm ²



The figure shows the sectional view of the YBG-ZBQ/ZBH pull-in state

Model Representation

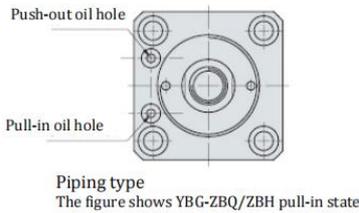
YBG-ZBQ/ZBH ① ② ★ ③ (Example: YBG-ZBQ32*40N/B)

YBG-ZBQ/ZBH	①Size	②Stroke	③Shaft end form	④Pressure-holding form
	20	10 20 30 40	Inner teeth : N	Unmarked: Standard
	25	10 20 30 40 50		
	32	10 20 30 40 50 60		
	40	10 20 30 40 50 60 70	External teeth:W	Holding pressure: B
	50	10 20 30 40 50 60 70 80		
	63	10 20 30 40 50 60 70 80 90 100		
	80	10 20 30 40 50 60 70 80 90 100		

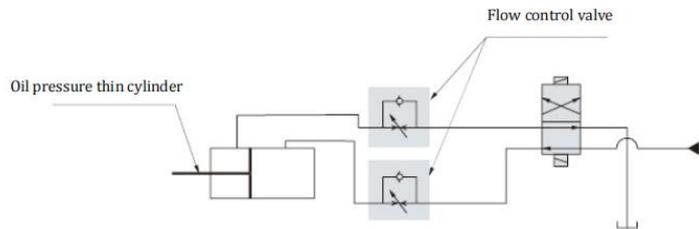
※ is the product ordered for production.

※ The cylinder block length B of (5,10), (15,20), (25,30), (35,40), (45,50) and above strokes are the same.

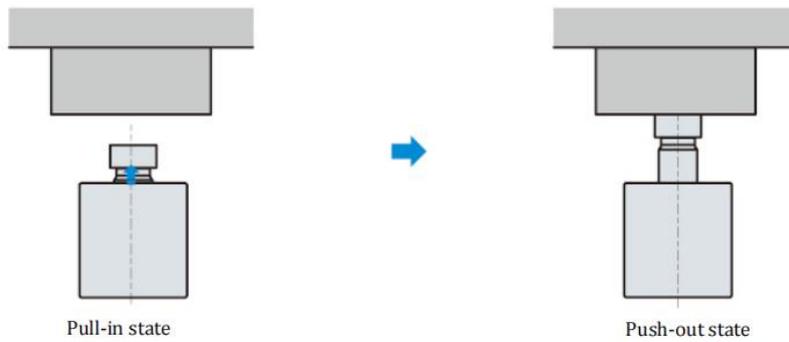
Piping Method



Oil Pressure Circuit Diagram (for reference only)



Action Description

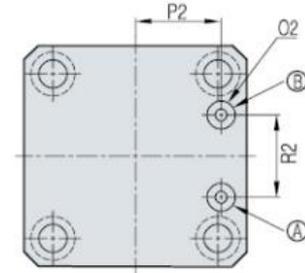
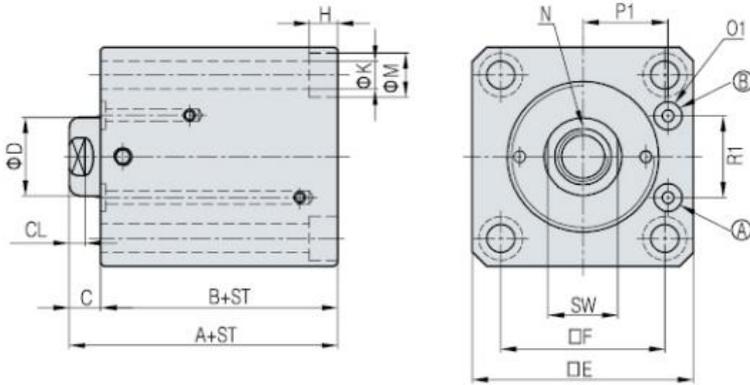


Cylinder Capacity

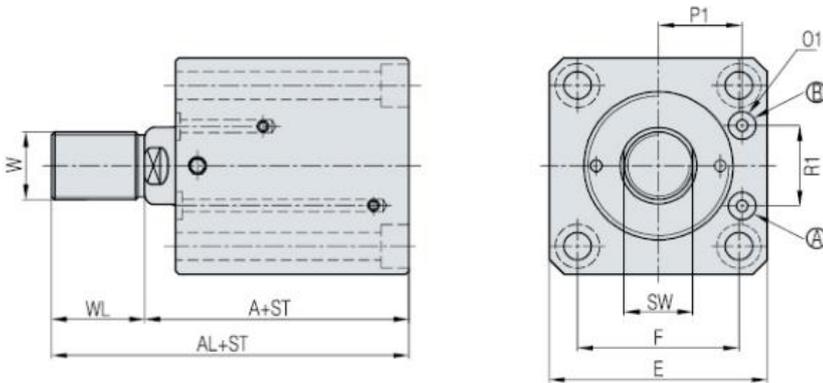
Bore of cylinder (mm)	20	25	32	40	50	63	80
Compression area (cm ²)	3.14	4.91	8.04	12.57	19.64	31.17	50.27
Oil pressure (Mpa)	Cylinder capacity						
14.0	4.4	6.9	11.3	17.6	27.5	43.6	70.3
13.0	4.1	6.4	10.4	16.3	25.5	40.5	65.3
12.0	3.8	5.9	9.6	15.1	23.6	37.4	60.3
11.0	3.5	5.4	8.8	13.8	21.6	34.3	55.3
10.0	3.1	4.9	8.0	12.6	19.6	31.2	50.2
9.0	2.8	4.4	7.2	11.3	17.7	28.0	45.2
8.0	2.5	3.9	6.4	10.1	15.7	24.9	40.2
7.0	2.2	3.4	5.6	8.8	13.7	21.8	35.2
6.0	1.9	2.9	4.8	7.5	11.8	18.7	30.1
5.0	1.6	2.5	4.0	6.3	9.8	15.6	25.1
4.0	1.3	2.0	3.2	5.0	7.9	12.5	20.1
3.0	0.9	1.5	2.4	3.8	5.9	9.3	15.1
2.0	0.6	1.0	1.6	2.5	3.9	6.2	10.0

ZBQ-N
Axial front oil circuit plate type (internal thread)

ZBH
Axial back oil circuit plate type



ZBQ-W
Axial front oil circuit plate type (external thread)



A: Push-out oil hole
B: Pull-in oil hole
*Note: ST means stroke

Model Dimension	20	25	32	40	50	63	80
A	51	53	64	65	71	80	95
AL	71	75	89	95	106	120	140
B	43	45	54	55	60	67	78
C	8	8	10	10	11	13	17
CL	6	6	7	7	8	10	14
D	12	14	20	25	30	35	45
SW	10	12	17	22	27	32	41
E	42	48	62	70	80	94	114
F	30	36	47	52	58	69	86
H	5.5	5.5	7	9	11	13	15
K	5.6	5.6	6.8	9	11	13	15
M	9	9	11	14	18	20	22
N	M8*1.25	M10*1.5	M12*1.75	M16*2	M20*2.5	M27*3	M30*3.5
W	M10*1.25	M12*1.25	M16*1.5	M22*1.5	M26*1.5	M30*1.5	M39*1.5
WL	20	22	25	30	35	40	45
P1/P2	16.5/13	19.5/15	24/20	27/23	32/29	38/35	47/44
R1/R2	13/11	18/13	24/20	26/20	27/20	35/26	45/30
O1/O2	P4/P5	P4/P7	P6/P7	P6/P9	P7/P9	P7/P9	P7/P9

Note: the cylinder block length B of the $\phi 20$ and $\phi 25$ right row stroke is the same (5,10), (15,20) and (25, 30)