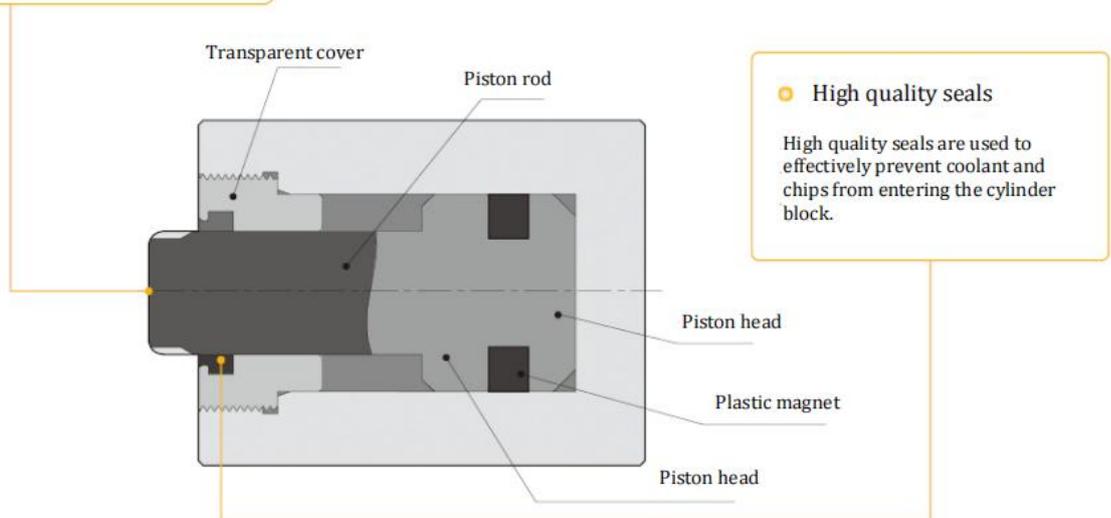
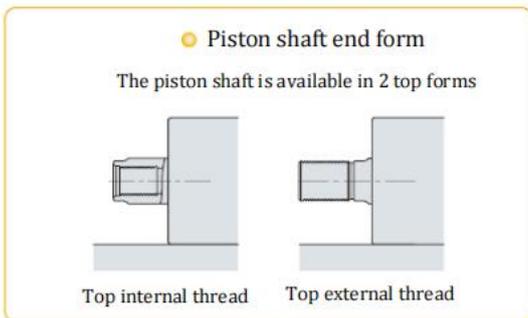


YBG-ZDG oil pressure axial uniaxial induction thin cylinder

Pressure Range
20-140kg/cm <sup>2</sup>



The figure shows the sectional view of the YBG-ZDG pull-in state

Model Representation

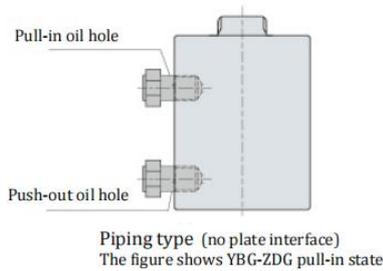
**YBG-ZDG** ① ② \* ③ ④ (Example: YBG-ZDG32\*40N/B)

YBG-ZDG	①Size	②Stroke	③Shaft end form	④Pressure-holding form	⑤Proximity switch
	32	10 20 30 40 50 60	Inner teeth: N	Unmarked: Standard	S1: 1 switch
	40	10 20 30 40 50 60 70			
	50	10 20 30 40 50 60 70 80	External teeth: W	Holding pressure: B	S2: 2 switches
	63	10 20 30 40 50 60 70 80 90 100			
	80	10 20 30 40 50 60 70 80 90 100			

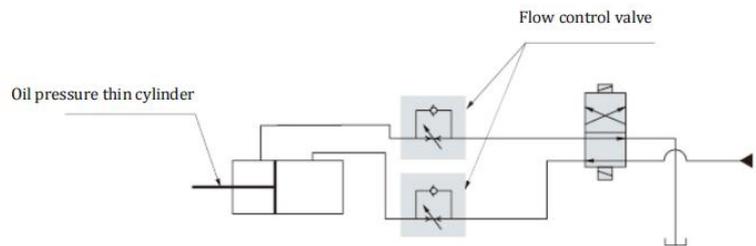
※ is the product ordered for production.

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

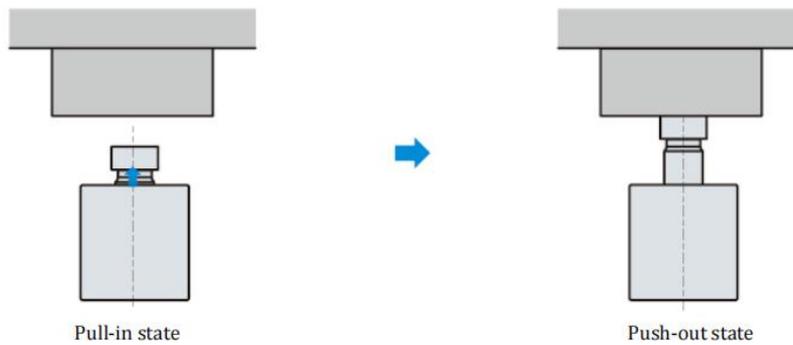
Piping Method



Oil Pressure Circuit Diagram (for reference only)



Action Description

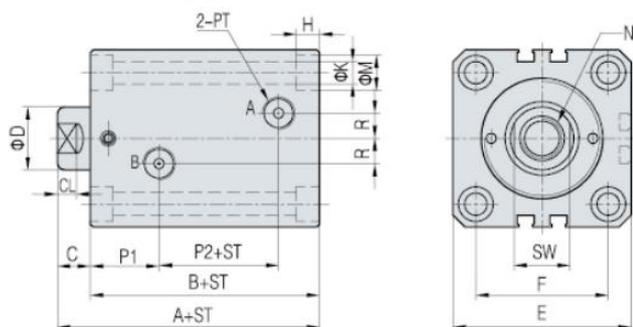


Cylinder Capacity

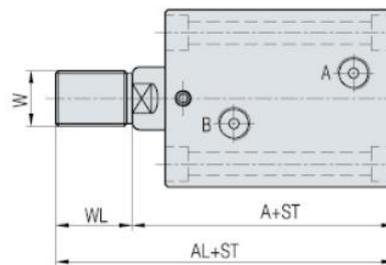
Bore of cylinder (mm)	32	40	50	63	80
Compression area (cm <sup>2</sup> )	8.04	12.57	19.64	31.17	50.27
Oil pressure (Mpa)	Cylinder capacity				
14.0	11.3	17.6	27.5	43.6	70.3
13.0	10.4	16.3	25.5	40.5	65.3
12.0	9.6	15.1	23.6	37.4	60.3
11.0	8.8	13.8	21.6	34.3	55.3
10.0	8.0	12.6	19.6	31.2	50.2
9.0	7.2	11.3	17.7	28.0	45.2
8.0	6.4	10.1	15.7	24.9	40.2
7.0	5.6	8.8	13.7	21.8	35.2
6.0	4.8	7.5	11.8	18.7	30.1
5.0	4.0	6.3	9.8	15.6	25.1
4.0	3.2	5.0	7.9	12.5	20.1
3.0	2.4	3.8	5.9	9.3	15.1
2.0	1.6	2.5	3.9	6.2	10.0

Overall Dimension

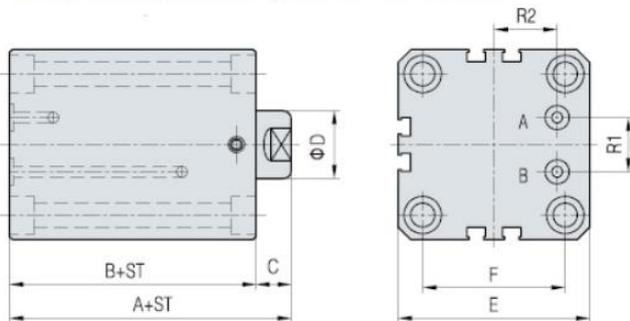
ZDG-N  
Axial uniaxial internal thread



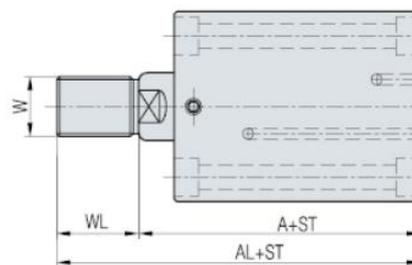
ZDG-W  
Axial uniaxial external thread



ZBHG-N  
Axial uniaxial back oil circuit plate internal thread



ZBHG-W  
Axial uniaxial back oil circuit plate external thread



\*Note: ST means stroke, A: push-out oil hole, B: pull-in oil hole

Model	32	40	50	63	80	
<b>Dimension</b>						
A	83	80	86	97	112	
AL	108	110	121	142	167	
B	73	70	75	84	95	
C	10	10	11	13	17	
CL	7	7	8	10	14	
D	20	25	30	35	45	
SW	17	22	27	32	41	
E	62	70	80	94	114	
F	47	52	58	69	86	
H	6.5	9	11	13	15	
K	6.8	9	11	13	15	
M	11	14	18	20	22	
N	M12*1.75*15D	M16*2*25D	M20*2.5*25D	M27*3*35D	M30*3.5*35D	
W	M16*1.5	M20*1.5	M24*1.5	M30*1.5	M39*1.5	
WL	25	30	35	45	55	
ZDG	P1	27	27	28	30	35
	P2	29	27	34	36	38
	R	10	10	10	10	15
	PT	RP1/4	RP1/4	RP1/4	RP1/4	RP3/8
ZBHG	R1	20	20	20	26	30
	R2	20	23	29	35	44
	0	P9	P9	P9	P11	P11