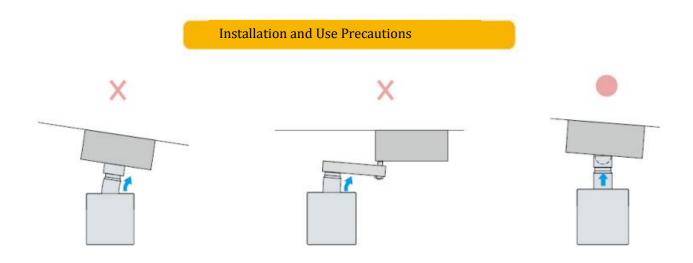
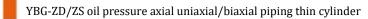
Product Features

Series category		YBG-ZD/ZS;YBG-ZBQ/ZBH;YBG-ZDG;YBG-CD/CS;YBG-CDB/CSB							
Bore of cylinder (mm)		Ф20	Φ25	Ф32	Φ40	Φ50	Ф63	Φ80	
Piston rod diameter (mm)		Ф12	Φ14	Ф20	Ф25	Ф30	Ф35	Φ45	
Pressure area (cm2) F1 pull-in F2 push-out		3.14/2.01	4.91/3.37	8.04/4.9	12.57/7.66	19.64/12.57	31.17/21.55	50.27/34.37	
	Input pressure 10kg/cm²	31/20	49/34	80/49	126/77	196/126	312/216	503/344	
	Input pressure 35kg/cm²	110/71	172/118	281/172	440/268	687/440	1091/754	1759/1203	
Theoretical clamping force (kg)	Input pressure 75kg/cm²	220/141	344/236	563/343	880/536	1375/880	2182/1509	3519/2406	
	Input pressure 100kg/cm²	314/201	491/337	804/490	1257/766	1964/1257	3117/2155	5027/3437	
	Input pressure 140kg/cm²	440/281	687/472	1126/686	1760/1072	2750/1760	4364/3017	7038/4812	
Maximum operating pressure (kg/cm2)		140							
Operating pressure range (KN/cm2)			20–140						
Use speed range (mm/sec)			15–100						

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

- Product Description
- With small size and space saving, it is the best choice with limited installation space.
- The standardized specification can be directly installed without other accessories to reduce the cost.
- The working pressure you use should not exceed the maximum allowable working pressure of the product.
- Please filter your oil inlet to avoid damaging the seals in the cylinder.



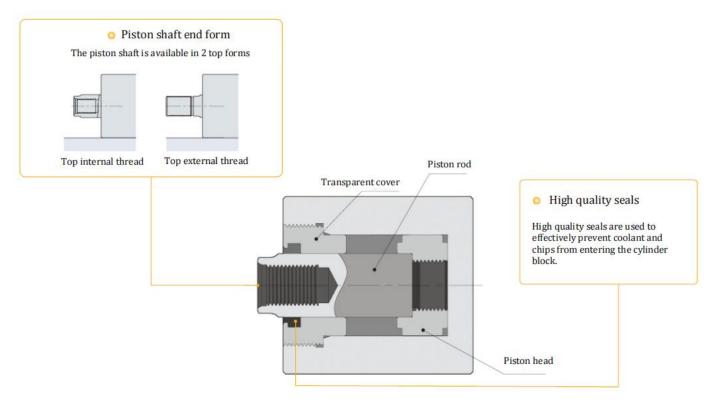


Pressure Range

 $20-140 \text{kg/cm}^2$







The figure shows the sectional view of the YBG-ZD/ZS pull-in state $\,$

Model Representation

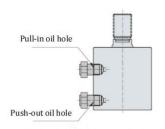
YBG-ZD/ZS 1 2 * 3 (Example: YBG-ZD32*40N/B)

	①Size	②Stroke	Shaft end form	${\small \textcircled{4} Pressure-holding form}$	
YBG-ZD/ZS	20	10 20 30 40			
	25	10 20 30 40 50	Inner teeth	Unmarked:	
	32	10 20 30 40 50 60	: N	Standard	
	40	10 20 30 40 50 60 70	100		
	50	10 20 30 40 50 60 70 80	External teeth:W	Holding pressure: B	
	63	10 20 30 40 50 60 70 80 90 100	teetii.vv	200000000000000000000000000000000000000	
	80	10 20 30 40 50 60 70 80 90 100			

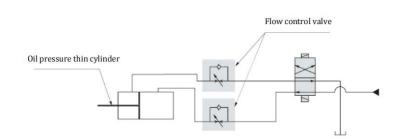
is the product ordered for production.

Piping Method

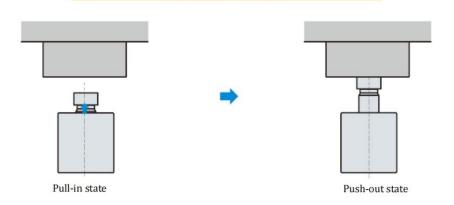
Oil Pressure Circuit Diagram (for reference only)



Piping type (no plate interface) The figure shows YBG-ZD pull-in state



Action Description



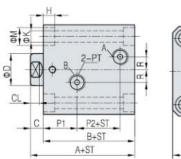
Cylinder Capacity

	20	25	32	40	50	63	80	
	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	

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

Overall Dimension

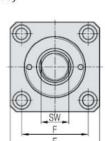
ZD-N Axial uniaxial (internal thread)



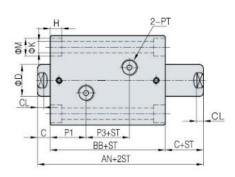
N SW_ F E

ZD-W Axial uniaxial (external thread)

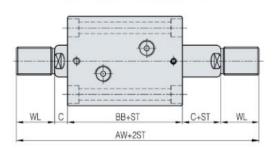
AL+ST



ZS-N Axial biaxial (internal thread)



ZS-W Axial biaxial (external thread)



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

Model Dimension	20	25	32	40	50	63	80
Α	51	53	64	65	71	80	95
AL	71	75	89	95	106	120	140
AN		74	89	90	97	108	127
AW		118	139	150	167	188	217
В	43	45	54	55	60	67	78
BB		58	69	70	75	82	93
С	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
Н	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*12D	M10*1.5*15D	M12*1.75*18D	M16*2*20D	M20*2.5*25D	M27*3*35D	M30*3.5*35D
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	23	23	28	26.5	29.5	30	33
P2	10	12	14	17	18	20	27
P3		12	13	17	16	22	27
PT	RP1/8	RP1/8	RP1/4	RP1/4	RP1/4	RP3/8	RP3/8
R	5	5	10	10	10	10	15

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