

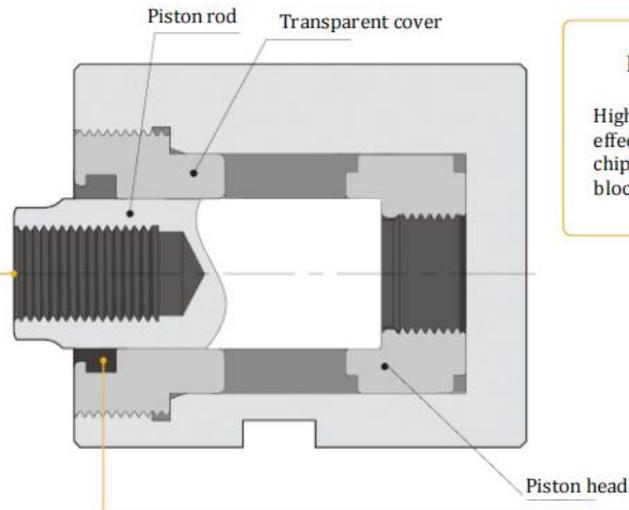
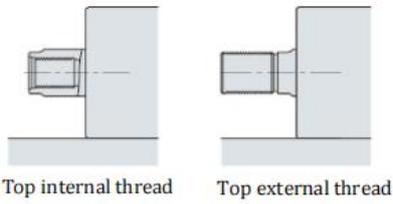
YBG-CD/CS oil pressure side uniaxial/biaxial piping thin cylinder

Pressure Range
20-140kg/cm ²



● Piston shaft end form

The piston shaft is available in 2 top forms



High quality seals

High quality seals are used to effectively prevent coolant and chips from entering the cylinder block.

The figure shows the sectional view of the YBG-CD/CS pull-in state

Model Representation

YBG-CD/CS ①★②③ (Example: YBG-CD32*40N/B)

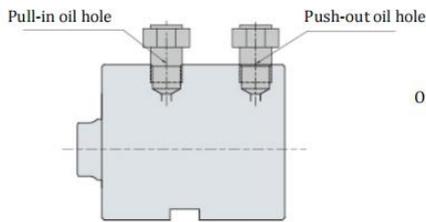
YBG-CD/CS	①Size	②Stroke	③Shaft end form	④Pressure-holding form
	32	10 20 30 40 50 60	Inner teeth: N	Unmarked: Standard
	40	10 20 30 40 50 60 70		
	50	10 20 30 40 50 60 70 80	External teeth:W	Holding pressure: B
63	10 20 30 40 50 60 70 80 90 100			

※ is the product ordered for production.

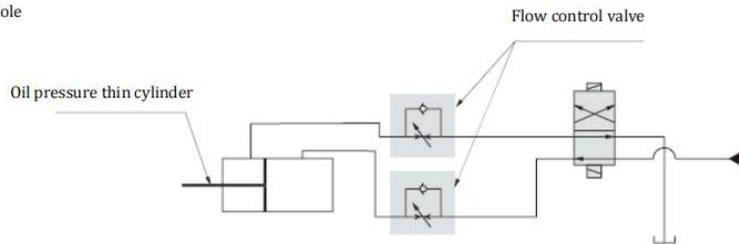
※ The cylinder length B and BB of (5,10), (15,20), (25,30), (35,40), (45,50) and above strokes are the same.

Piping Method

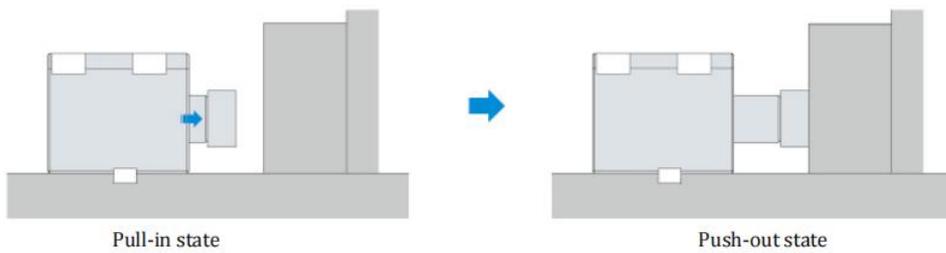
Oil Pressure Circuit Diagram (for reference only)



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



Action Description

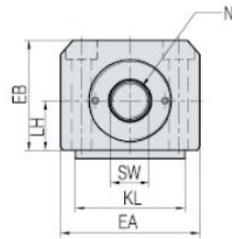
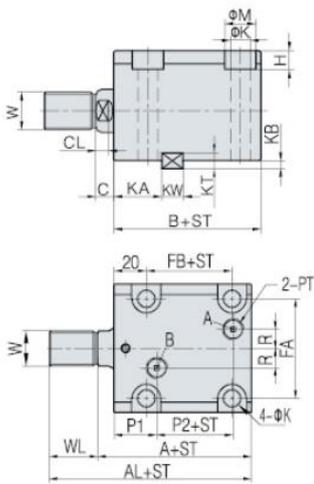


Cylinder Capacity

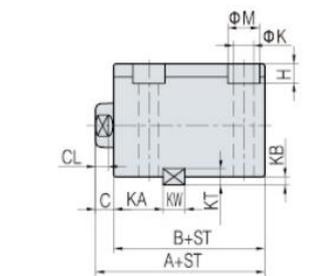
Bore of cylinder (mm)	20	25	32	40	50	63	80
Compression area (cm ²)	3.14	4.91	8.04	12.57	19.64	31.17	50.27
Oil pressure (Mpa)	Cylinder capacity						
14.0	4.4	6.9	11.3	17.6	27.5	43.6	70.3
13.0	4.1	6.4	10.4	16.3	25.5	40.5	65.3
12.0	3.8	5.9	9.6	15.1	23.6	37.4	60.3
11.0	3.5	5.4	8.8	13.8	21.6	34.3	55.3
10.0	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

Overall Dimension

YBG-CD External thread



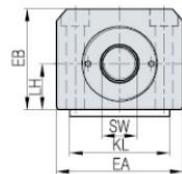
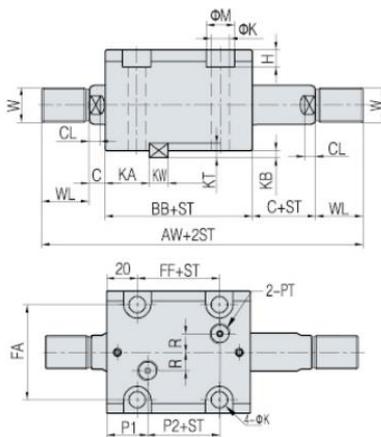
YBG-CD Internal thread



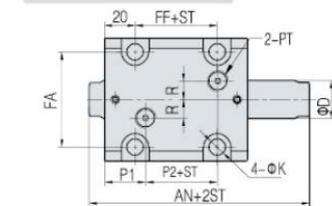
Flat key dimension drawing



YBG-CS External thread



YBG-CS Internal thread



Flat key dimension drawing



I \ M	32	40	50	63
A	64	65	71	80
AL	89	95	106	120
AN	89	90	97	108
AW	139	150	167	188
B	54	55	60	67
BB	69	70	75	82
C	10	10	11	13
CL	7	7	8	10
D	20	25	30	35
SW	17	22	27	32
EA	70	80	94	114
EB	56	64	74	89
LH	25	29	34	42
FA	56	62	74	90
FB	24	23	27	32
FF	32	32	35	42
H	9	11	13	15
K	9	11	13	15
M	14	18	20	22
N	M12*1.75	M16*2.0	M20*2.5	M27*3.0
W	M16*1.5	M22*1.5	M26*1.5	M30*1.5
WL	25	30	35	40
P1	28	26.5	29.5	30
P2	14	17	18	20
P3	13	14	16	20
R	10	10	10	10
PT	RP1/4	RP1/4	RP1/4	RP3/8

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

Key Dimension

MODEL	32	40	50	63
KW	12	12	14	16
KT	8	8	9	10
KL	63	70	80	100
KA	28	28	29	31
KB	4.5	4.5	5	5.5

Note: ST=10 cylinder without keyway

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