

 Product Features

Series Category	YGG-KG; YGG-KB; YGG-BT; YGG-SG; YGG-SB/SBT				
Bore of Cylinder (mm)	Φ25	Φ32	Φ40	Φ50	Φ63
Piston Rod Diameter(mm)	Φ18	Φ20	Φ22.4	Φ28	Φ35
Stroke (mm)	25	25	30	35	40
Theoretical Clamping Force (30kg/cm ²)	110	190	300	450	701
Maximum Operating Pressure (kg/cm ²)	70				
Operating Pressure Range (kg/cm ²)	15-70				

 Product Description

- This product is provided with high-performance sealing rings to avoid cylinder leakage and prolong the service life of the cylinder.
- The lever principle is used to make the workpiece easy to clamp and improve the efficiency.
- Please filter your air intake supply clean to avoid damaging the seals in the cylinder.
- The working pressure you use should not exceed the maximum allowable working pressure of the product.

YGG-KG/oil pressure block piping lever cylinder

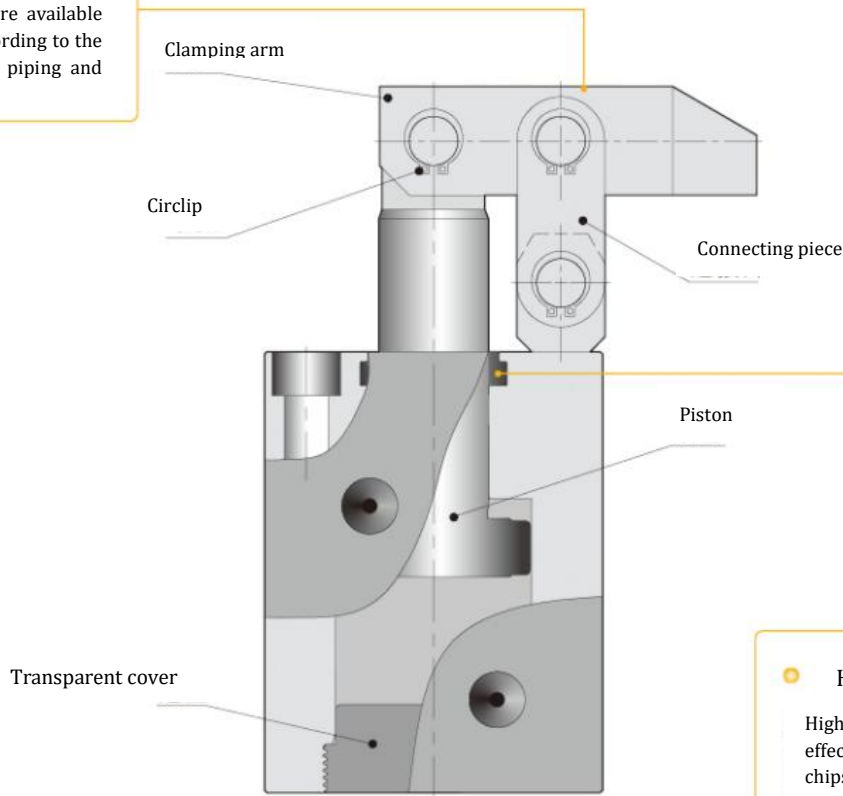
Pressure Range

15-70kg/cm²



• Three-way clamping arm

3 types of clamp arms with different installation directions are available and can be selected according to the workpiece, oil pressure piping and fixture settings.



• 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 YGG-KG clamping state

Model Representation

YGG-KG ① ② (Example: YGG-KG25R)

① Dimension (refer to specification sheet)

② Clamping arm direction

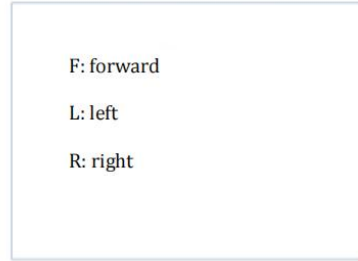
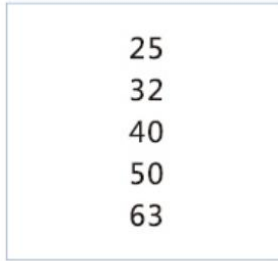
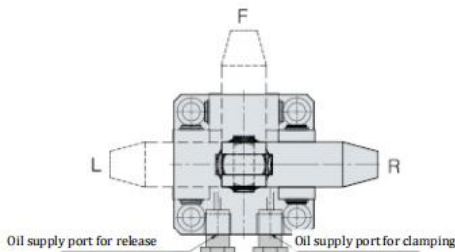
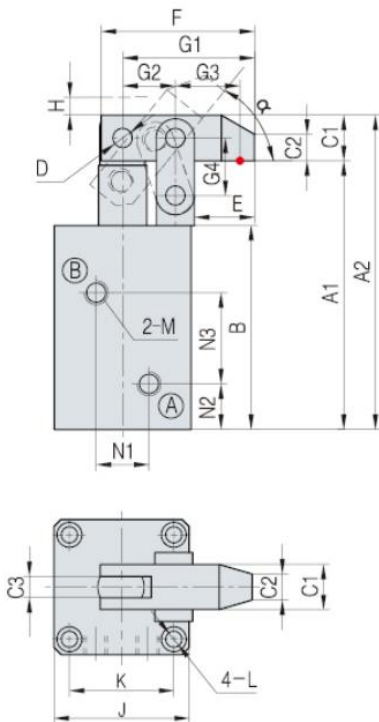
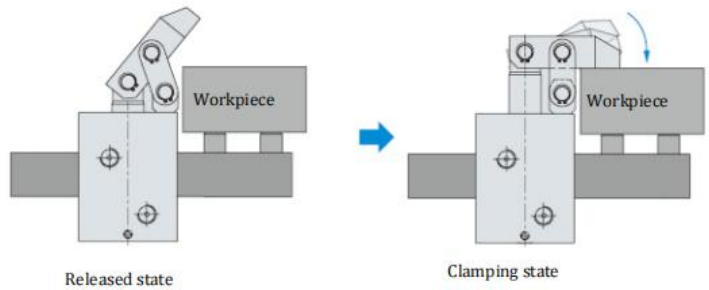


Plate Direction

Action Description



Piping type (no plate interface)
The figure shows the clamping state of YGG-KG



H: Rising space
A-clamp port
B-release port

• - Optimal clamping position

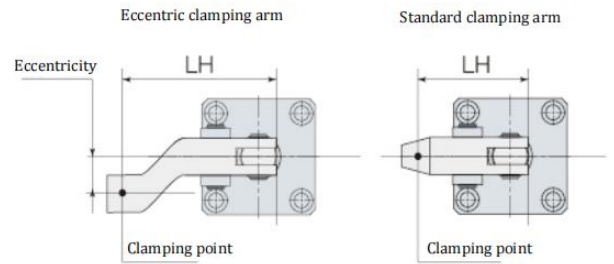
Overall Dimension

Model	YGG-KG25	YGG-KG32	YGG-KG40	YGG-KG50	YGG-KG63
Dimension					
A1	103	112	121.9	138.3	155.1
A2	122	131	144.1	163.7	186.9
B	76	85	90	100	111
C1	□19	□19	□22.2	□25.4	□31.8
C2	11	11	13	15	19
C3	9	9	10	11	15
ΦD	Φ8	Φ8	Φ10	Φ12	Φ15
E	25	25	31	37	43
F	64	64	77	90	110
G1	55	55	66	77	94
G2	22	22	26	30	36
G3	28	28	34	39	48
G4	24	24	29	33	39
H	3	3	4	3	4
J	55	57	69	75	96
K	42	44	52	58	75
L	Φ6.8-Φ10.5*6.5D	Φ6.8-Φ10.5*6.5D	Φ9-Φ14*9D	Φ9-Φ14*9D	Φ11-Φ18*11D
M	RP1/8	RP1/8	RP1/4	RP1/4	RP1/4
N1	18	22	26	32	38
N2	17	19	19	21	22
N3	32.5	37.5	39.5	45.5	52
α	60°	63°	61°	65°	59°

Note: □ indicates square

Allowable Eccentricity of Clamping Arm

When the clamping point at the front end of the clamping arm of YGG connecting rod lever cylinder is not on the center line of the piston rod and the clamping arm due to the shape of the workpiece, the eccentric clamping arm shown in the right figure can be used. However, the eccentricity shall not exceed the allowable eccentricity in the following table. If a clamping arm exceeding the allowable eccentricity is used, the connecting rod mechanism and the piston rod will bear a large eccentric load, resulting in fault.



YGG-KG25	
Oil pressure (MPa)	Allowable eccentricity (mm)
	Clamping arm length G2+G3 (mm)
	50
7	22
6.5	25
6	32
5.5	37
5	47
4.5	57
4	↑
3.5	↑
3	↑
2.5	57

YGG-KG32	
Oil pressure (MPa)	Allowable eccentricity (mm)
	Clamping arm length G2+G3 (mm)
	50
7	
6.5	
6	5
5.5	10
5	15
4.5	21
4	27
3.5	37
3	51
2.5	57

YGG-KG40	
Oil pressure (MPa)	Allowable eccentricity (mm)
	Clamping arm length G2+G3 (mm)
	60
7	5
6.5	5
6	12
5.5	21
5	32
4.5	45
4	57
3.5	↑
3	↑
2.5	57

YGG-KG50	
Oil pressure (MPa)	Allowable eccentricity (mm)
	Clamping arm length G2+G3 (mm)
	69
7	15
6.5	23
6	30
5.5	35
5	42
4.5	50
4	57
3.5	70
3	↑
2.5	70

YGG-KG63	
Oil pressure (MPa)	Allowable eccentricity (mm)
	Clamping arm length G2+G3 (mm)
	84
7	11
6.5	17
6	25
5.5	35
5	47
4.5	59
4	70
3.5	80
3	↑
2.5	80