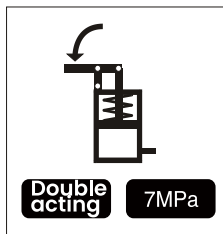


JLHA UPPER FLANGE SWIVEL CYLINDERS



Cost-effective swivel clamp with compact structure, high capacity and strong durability

ORDER INDICATION

JLHA	0480	CR		JBEL0100-A
Upper Flange Swivel Cylinders	Size : 0360 0400 0480 0550 0650 0750 0900 1050	Clamp arm direction: CL: Left CR: Right	Special specification mark※1: Unmarked: Standard D: Double rod type M: Air sensor plate connection type N: Air sensor external configuration type P: Double pressure arm type Q□: Clamp arm (refer to P274) Y□: Swivel angle 30°、45°、60°	Special spec. Mark※2: Unmarked: Standard JBEL: Speed control valve Type: JBEL0100-□ JBEL0200-□ JBEL0300-□ Control type: A or B Conical sleeve: TS

FEATURE

Model		JLHA0360	JLHA0400	JLHA0480	JLHA0550	JLHA0650	JLHA0750	JLHA0900	JLHA1050
Cylinder capacity (when oil pressure is 7MPa)	(kN)	2.4	3.25	4.25	7	9.2	14.1	20.5	28.65
Clamping force	Oil pressure is 7MPa	(kN)	2	2.8	4.15	6.15	7.95	12.3	17.35
	Clamping arm length (LH)	(mm)	30	40	50	50	50	60	80
Main rod diameter	(mm)	15	18	22	25	30	35.5	45	55
Bore	(mm)	26	31	37	44	51	62	76	91
Area (clamping)	(cm ²)	3.5	4.8	6.8	10.2	13.2	20.1	29.3	41.2
Total stroke	(mm)	13.5	14.5	15.5	18.5	20	24	26	32
Clamping stroke	(mm)	5.5	6.5	7.5	8.5	10	12	14	16
Swivel stroke	(mm)	8	8	8	10	10	12	12	16
Swivel angle accuracy		90°±3°							
Repetition accuracy of clamping position		±0.5°							
Max. working pressure	(Mpa)	7							
Min. working pressure	(Mpa)	1.5							
Voltage resistance	(Mpa)	10.0							
Temperature	°C	0~70							
Fluid		(ISO Viscosity grade ISO-SG-32 General hydraulic oil)							

Tie-rod Hydraulic Cylinder

Mold Hydraulic Cylinders

Swivel & Clamp Hydraulic Cylinders

Booster Cylinders & Unclamping cylinders

ISO Specifications Cylinders

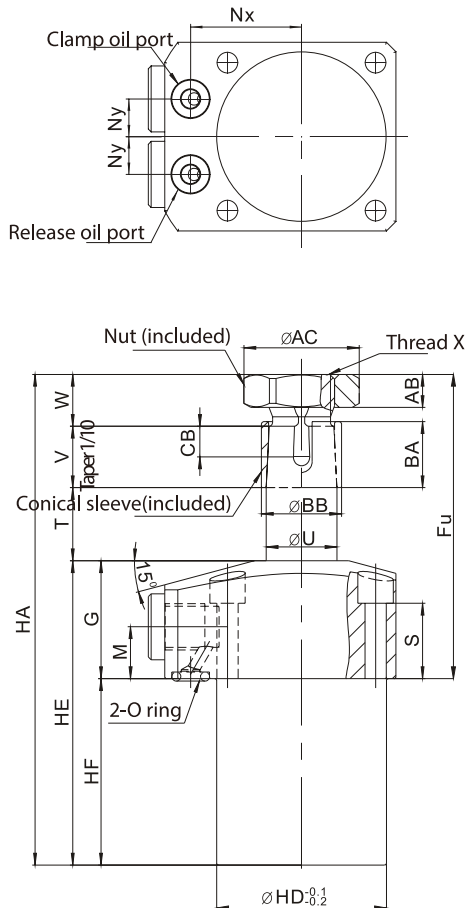
Round Hydraulic Cylinders

Specific Hydraulic Cylinders

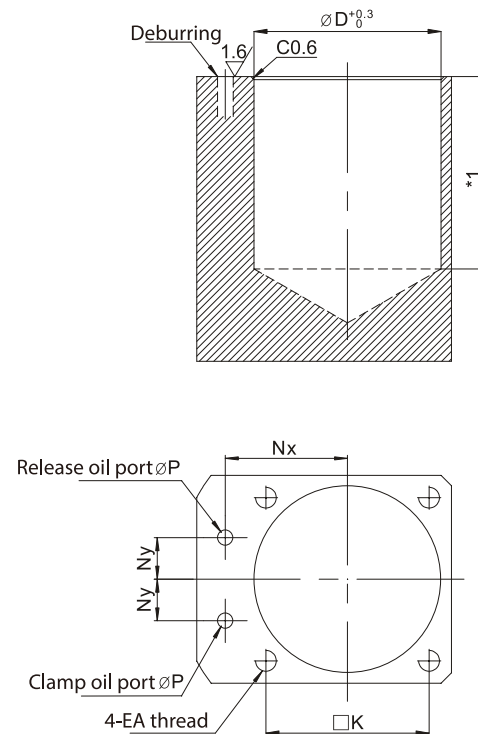
Systems & Fittings

● JLHA:Standard

EXTERNAL DIMENSIONS



INSTALLATION PROCESSING DIMENSION



Note:

- ※1. Please refer to HF size, determine depth of installation hole ϕD of body according to installation height.

Release oil port: Rp thread*3

(Only C type can be installed JA with speed control valve)

Clamp oil port: Rp thread*3
(Only C type can be installed with speed control valve)

2-G Plug (included)
(Only C type)

Countersink ϕQ

ϕCC Positioning slot*1
R type (L type: 180°opposite)

4- ϕR

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

R type (L type: 180°opposite)

2-Z

HB

H

J

Y

CA

AA

HC

K

JB

L

4- ϕR

Countersink ϕQ

ϕCC Positioning slot*1

EXTERNAL DIMENSIONS AND INSTALLATION PARTS PROCESSING DIMENSION TABLE

(mm)

Model		JLHA 0360-□□	JLHA 0400-□□	JLHA 0480-□□	JLHA 0550-□□	JLHA 0650-□□	JLHA 0750-□□	JLHA 0900-□□	JLHA 1050-□□
Total stroke		13.5	14.5	15.5	18.5	20	24	26	32
Swivel stroke(90°)		5.5	6.5	7.5	8.5	10	12	14	16
Clamping stroke		8	8	8	10	10	12	12	16
HA		104.1	115.1	128.6	145.6	156.1	181.1	203.1	240.1
HB		49	54	61	69	81	92	107	122
HC		40	45	51	60	70	80	95	110
HD		36	40	48	55	65	75	90	105
HE		64.5	71.5	79	89	94	109	120	144
HF		39.5	46.5	51	59	63	71	74	88
Fu		64.5	68.5	77.5	86.5	93	110	129	152
G		25	25	28	30	31	38	46	56
H		29	31.5	35.5	39	46	52	59.5	67
J		20	22.5	25.5	30	35	40	47.5	55
K		31.5	34.1	40.1	47.1	55.1	63.1	75.1	88.1
L		66	73	83	88	106	116	136	152
M		11	11	13	12	13	16	19	22
Nx		23.5	26	30	33.5	39.5	45	52.5	60
Ny		8	9	11	12	15	16	18.5	22.5
P		3	3	3	3	5	5	5	5
Q		7.5	9	9	11	11	14	17.5	20
R		4.5	5.5	5.5	6.8	6.8	9	11	14
S		16	15	17.5	17	17	21	25	32
T		15.5	16.5	17.5	20.5	22	26	28	34
U		15 f7	18 f7	22 f7	25 f7	30 f7	35.5 f7	45 f7	55 f7
V		13	15	18	21	24	30	37	43
W		11	12	14	15	16	16	18	19
X(nominal×Pitch)		M14×1.5	M16×1.5	M20×1.5	M22×1.5	M27×1.5	M30×1.5	M39×1.5	M48×1.5
Y		5	6	8	8	10	10	14	14
Z(chamfer)		C2	C3	C3	C3	C4	C5	C6	C6
AA		22	24	30	32	41	46	55	65
AB		7	8	9	10	11	11	12	12
AC		24.5	26.5	33	35.5	45	50	60	71
BA		14	16	19	22	25	31	38	44
BB		17	20	25	28	34	40	49	60
CA		6 ⁰ _{-0.05}	7 ⁰ _{-0.05}	9 ⁰ _{-0.05}	10 ⁰ _{-0.05}	12.5 ⁰ _{-0.05}	14 ⁰ _{-0.05}	18.5 ⁰ _{-0.05}	23 ⁰ _{-0.05}
CB		6.5	6.5	7.5	9.5	11.5	12.5	11.5	13.5
CC		4 ^{+0.05} ₀	4 ^{+0.05} ₀	5 ^{+0.05} ₀	6 ^{+0.05} ₀	6 ^{+0.05} ₀	8 ^{+0.05} ₀	8 ^{+0.05} ₀	10 ^{+0.05} ₀
EA		M4×0.7	M5×0.8	M5×0.8	M6	M6	M8	M10	M12
JA		3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5
JB		14	14	14	14	19	19	22	22
Rp thread plug	Type	Rp1/8	Rp1/8	Rp1/8	Rp1/8	Rp1/4	Rp1/4	Rp3/8	Rp3/8
O ring seal	(Type)	4.8×1.9	4.8×1.9	4.8×1.9	4.8×1.9	6.8×1.9	6.8×1.9	6.8×1.9	6.8×1.9
Capacity C m ³	Clamping Releasing	4.8 7.2	7.3 10.9	10.8 16.7	19 28.1	26.7 40.9	48.7 72.5	76.6 117.9	132.1 208.1
Weight ※ 8	kg	0.7	0.9	1.4	2	2.9	4.2	7.2	10.1

Note: ※ 8. Indicates the weight of the rotating cylinder, including nut and conical sleeve.

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
Clamp
Hydraulic
Cylinders

Booster
Cylinders
&
Unclamping
cylinders

ISO
Specifications
Cylinders

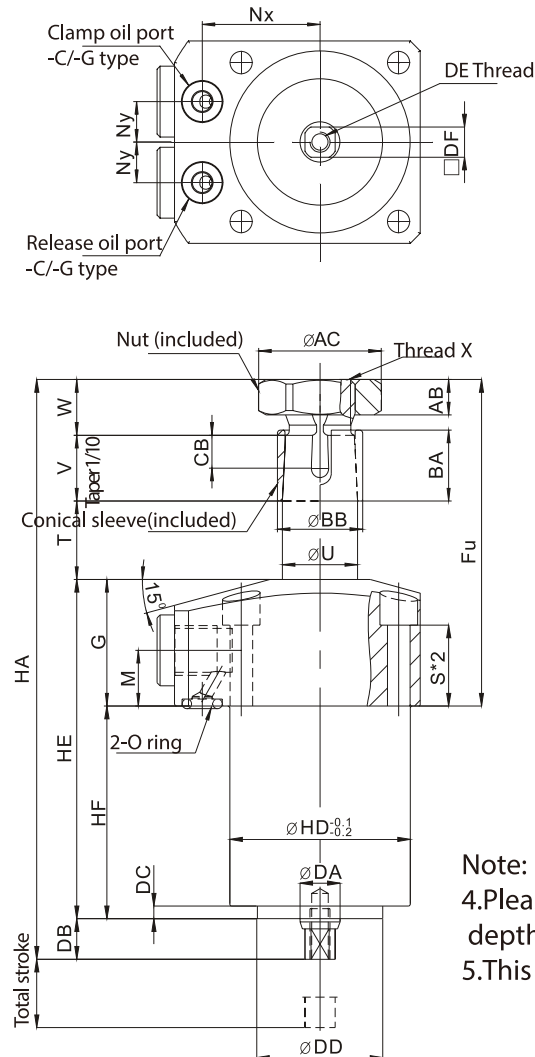
Round
Hydraulic
Cylinders

Specific
Hydraulic
Cylinders

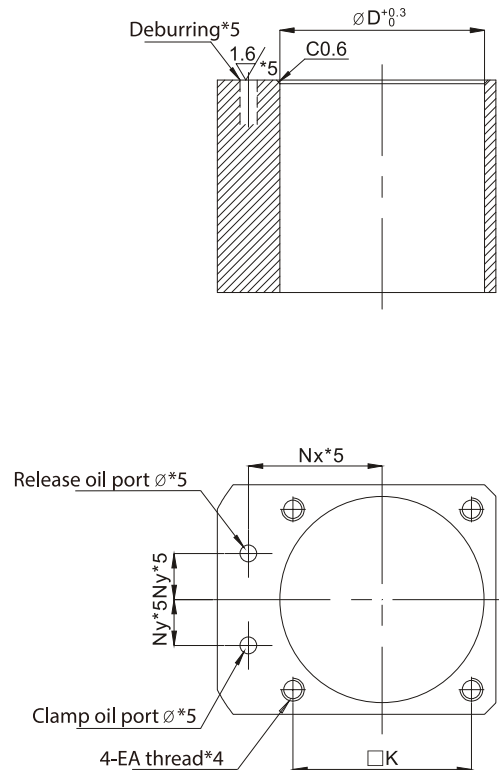
Systems
&
Fittings

● JLHA:D:Double rods

EXTERNAL DIMENSIONS

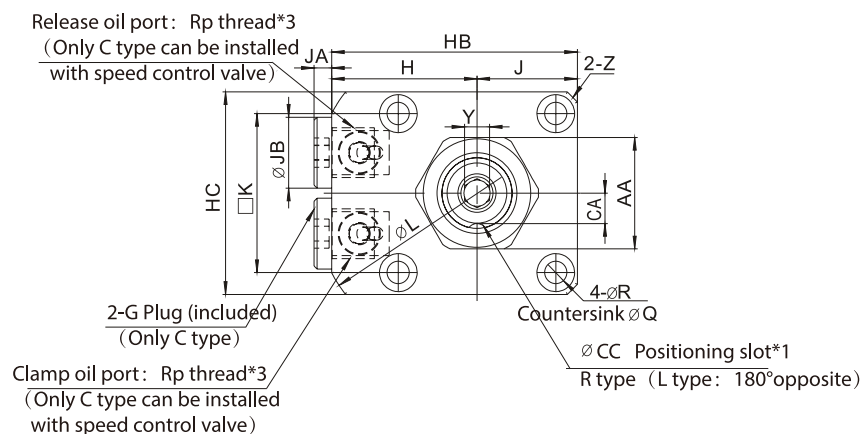


INSTALLATION PROCESSING DIMENSION



Note:

4. Please refer to the S dimension and determine the EA thread depth of the mounting bolt according to the mounting height
5. This processing indicates -C/-G: plate connection type.



Note:

1. Platen positioning slot towards oil port when clamping.
2. This product doesn't include mounting bolt, please configure it according to installation height and referring to S size.
3. This product doesn't include speed control valve, please configure it referring to P280.
- ※ When used in combination with other detection methods and options, please contact our business department.
- ※ This product doesn't include clamping arm, please configure it by customers.

EXTERNAL DIMENSIONS AND INSTALLATION PARTS PROCESSING DIMENSION TABLE

Model	JLHA 0360-□□D	JLHA 0400-□□D	JLHA 0480-□□D	JLHA 0550-□□D	JLHA 0650-□□D	JLHA 0750-□□D	JLHA 0900-□□D	JLHA 1050-□□D
Total stroke	13.5	14.5	15.5	18.5	20	24	26	32
Swivel stroke(90°)	5.5	6.5	7.5	8.5	10	12	14	16
Clamping stroke	8	8	8	10	10	12	12	16
HA	114.6	128.1	141.6	158.6	169.1	194.1	216.1	253.1
HB	49	54	61	69	81	92	107	122
HC	40	45	51	60	70	80	95	110
HD	36	40	48	55	65	75	90	105
HE	67	74.5	82	92	97	112	123	147
HF	42	49.5	54	62	66	74	77	91
Fu	64.5	68.5	77.5	86.5	93	110	129	152
G	25	25	28	30	31	38	46	56
H	29	31.5	35.5	39	46	52	59.5	67
J	20	22.5	25.5	30	35	40	47.5	55
K	31.5	34.1	40.1	47.1	55.1	63.1	75.1	88.1
L	66	73	83	88	106	116	136	152
M	11	11	13	12	13	16	19	22
Nx	23.5	26	30	33.5	39.5	45	52.5	60
Ny	8	9	11	12	15	16	18.5	22.5
P	3	3	3	3	5	5	5	5
Q	7.5	9	9	11	11	14	17.5	20
R	4.5	5.5	5.5	6.8	6.8	9	11	14
S	16	15	17.5	17	17	21	25	32
T	15.5	16.5	17.5	20.5	22	26	28	34
U	15 f7	18 f7	22 f7	25 f7	30 f7	35.5 f7	45 f7	55 f7
V	13	15	18	21	24	30	37	43
W	11	12	14	15	16	16	18	19
X(nominal×Pitch)	M14×1.5	M16×1.5	M20×1.5	M22×1.5	M27×1.5	M30×1.5	M39×1.5	M48×1.5
Y	5	6	8	8	10	10	14	14
Z(chamfer)	C2	C3	C3	C3	C4	C5	C6	C6
AA	22	24	30	32	41	46	55	65
AB	7	8	9	10	11	11	12	12
AC	24.5	26.5	33	35.5	45	50	60	71
BA	14	16	19	22	25	31	38	44
BB	17	20	25	28	34	40	49	60
CA	6 ⁰ _{-0.05}	7 ⁰ _{-0.05}	9 ⁰ _{-0.05}	10 ⁰ _{-0.05}	12.5 ⁰ _{-0.05}	14 ⁰ _{-0.05}	18.5 ⁰ _{-0.05}	23 ⁰ _{-0.05}
CB	6.5	6.5	7.5	9.5	11.5	12.5	11.5	13.5
CC	4 ^{+0.05} ₀	4 ^{+0.05} ₀	5 ^{+0.05} ₀	6 ^{+0.05} ₀	6 ^{+0.05} ₀	8 ^{+0.05} ₀	8 ^{+0.05} ₀	10 ^{+0.05} ₀
DA	8	12	14	14	14	18	18	18
DB	8	10	10	10	10	10	10	10
DC	2.5	3	3	3	3	3	3	3
DD	25	29	36	36	43	50	65	80
De (nominal×Pitch)	M4×0.7×10	M6×15	M8×18	M8×18	M8×18	M10×21	M10×21	M10×21
DF	6	10	12	12	12	16	16	16
EA	M4×0.7	M5×0.8	M5×0.8	M6	M6	M8	M10	M12
JA	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5
JB	14	14	14	14	19	19	22	22
Rp thread plug RP	Rp1/8	Rp1/8	Rp1/8	Rp1/8	Rp1/4	Rp1/4	Rp3/8	Rp3/8
O ring seal (-C/-G type)	4.8×1.9	4.8×1.9	4.8×1.9	4.8×1.9	6.8×1.9	6.8×1.9	6.8×1.9	6.8×1.9
CapacityCm ³ Clamping	4.8	7.3	10.8	19	26.7	48.7	76.6	132.1
Releasing	6.5	9.3	14.3	25.3	37.8	66.4	111.3	200
Weight※6 kg	0.7	0.9	1.4	2	3	4.2	7.3	10.3

Note:※6.Indicates the weight of the rotating cylinder, including nut and conical sleeve.

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
Clamp
Hydraulic
Cylinders

Booster
Cylinders
&
Unclamping
cylinders

ISO
Specifications
Cylinders

Round
Hydraulic
Cylinders

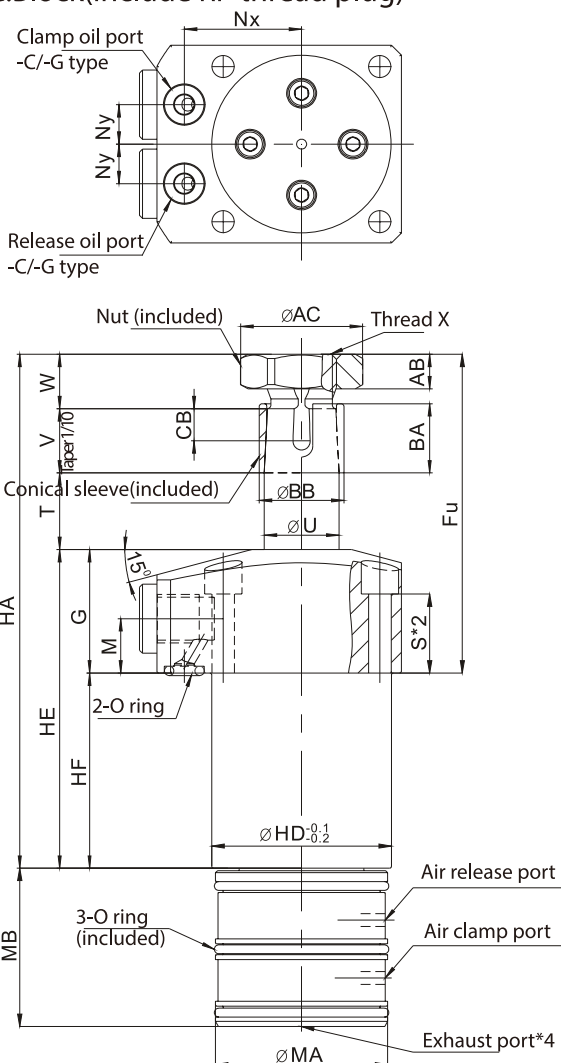
Specific
Hydraulic
Cylinders

Systems
&
Fittings

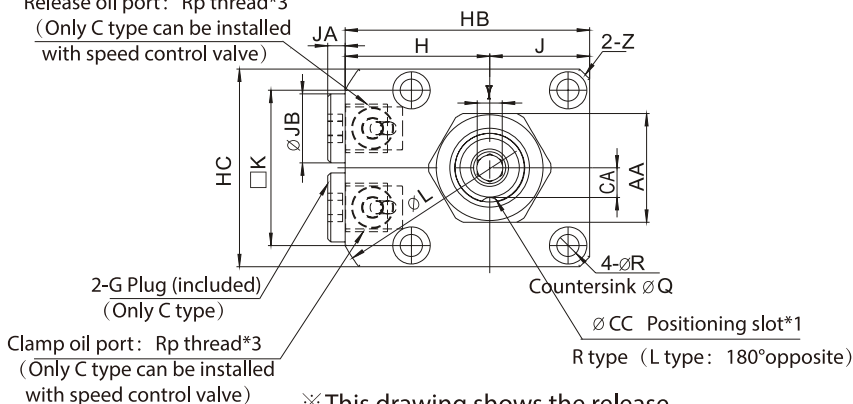
● JLHA:M:Air sensor block connection type

EXTERNAL DIMENSIONS

● C:Block(include RP thread plug)



Release oil port: Rp thread*3
(Only C type can be installed
with speed control valve)

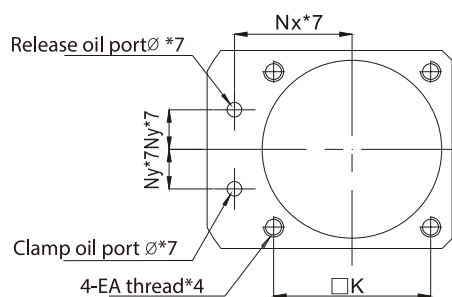
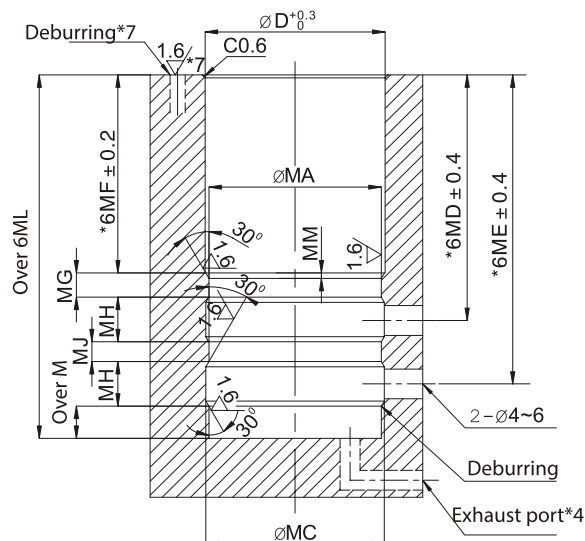


※ This drawing shows the release
state of JLHA- CRM type.

Note:

1. Platen positioning slot towards oil port when clamping.
2. This product doesn't include mounting bolt, please configure it according to installation height and referring to S size.
3. This product doesn't include speed control valve, please configure it referring to P280.
- ※ When used in combination with other detection methods and options, please contact our business department.
- ※ This product doesn't include clamping arm, please configure it by customers.

INSTALLATION PROCESSING DIMENSION



Note:

4. Exhaust port must be discharged into the atmosphere, and prevent coolant and cutting debris from entering.
5. Please refer to the S dimension and determine the EA thread depth of the mounting bolt according to the mounting height.
6. The size indicates the size under the flange.
7. This processing indicates -C/-G: plate connection type.

EXTERNAL DIMENSIONS AND INSTALLATION PARTS PROCESSING DIMENSION TABLE

(mm)

Model	JLHA 0360-□□M	JLHA 0400-□□M	JLHA 0480-□□M	JLHA 0550-□□M	JLHA 0650-□□M	JLHA 0750-□□M	JLHA 0900-□□M	JLHA 1050-□□M
Total stroke	13.5	14.5	15.5	18.5	20	24	26	32
Swivel stroke(90°)	5.5	6.5	7.5	8.5	10	12	14	16
Clamping stroke	8	8	8	10	10	12	12	16
HA	104.1	115.1	128.6	145.6	156.1	181.1	203.1	240.1
HB	49	54	61	69	81	92	107	122
HC	40	45	51	60	70	80	95	110
HD	36	40	48	55	65	75	90	105
HE	64.5	71.5	79	89	94	109	120	144
HF	39.5	46.5	51	59	63	71	123	88
Fu	64.5	68.5	77.5	86.5	93	110	129	152
G	25	25	28	30	31	38	46	56
H	29	31.5	35.5	39	46	52	59.5	67
J	20	22.5	25.5	30	35	40	47.5	55
K	31.5	34.1	40.1	47.1	55.1	63.1	75.1	88.1
L	66	73	83	88	106	116	136	152
M	11	11	13	12	13	16	19	22
Nx	23.5	26	30	33.5	39.5	45	52.5	60
Ny	8	9	11	12	15	16	18.5	22.5
P	3	3	3	3	5	5	5	5
Q	7.5	9	9	11	11	14	17.5	20
R	4.5	5.5	5.5	6.8	6.8	9	11	14
S	16	15	17.5	17	17	21	25	32
T	15.5	16.5	17.5	20.5	22	26	28	34
U	15 f7	18 f7	22 f7	25 f7	30 f7	35.5 f7	45 f7	55 f7
V	13	15	18	21	24	30	37	43
W	11	12	14	15	16	16	18	19
X(nominal×Pitch)	M14×1.5	M16×1.5	M20×1.5	M22×1.5	M27×1.5	M30×1.5	M39×1.5	M48×1.5
Y	5	6	8	8	10	10	14	14
Z(chamfer)	C2	C3	C3	C3	C4	C5	C6	C6
AA	22	24	30	32	41	46	55	65
AB	7	8	9	10	11	11	12	12
AC	24.5	26.5	33	35.5	45	50	60	71
BA	14	16	19	22	25	31	38	44
BB	17	20	25	28	34	40	49	60
CA	6 ⁰ _{-0.05}	7 ⁰ _{-0.05}	9 ⁰ _{-0.05}	10 ⁰ _{-0.05}	12.5 ⁰ _{-0.05}	14 ⁰ _{-0.05}	18.5 ⁰ _{-0.05}	23 ⁰ _{-0.05}
CB	6.5	6.5	7.5	9.5	11.5	12.5	11.5	13.5
CC	4 ^{+0.05} ₀	4 ^{+0.05} ₀	5 ^{+0.05} ₀	6 ^{+0.05} ₀	6 ^{+0.05} ₀	8 ^{+0.05} ₀	8 ^{+0.05} ₀	10 ^{+0.05} ₀
EA	M4×0.7	M5×0.8	M5×0.8	M6	M6	M8	M10	M12
MAf8	34.5 ^{-0.025} _{-0.064}	38 ^{-0.025} _{-0.064}	45 ^{-0.025} _{-0.064}	45 ^{-0.025} _{-0.064}	45 ^{-0.025} _{-0.064}	53 ^{-0.030} _{-0.076}	53 ^{-0.030} _{-0.076}	53 ^{-0.030} _{-0.076}
MAH8	34.5 ^{+0.039} ₀	38 ^{+0.039} ₀	45 ^{+0.039} ₀	45 ^{+0.039} ₀	45 ^{+0.039} ₀	53 ^{+0.046} ₀	53 ^{+0.046} ₀	53 ^{+0.046} ₀
MB	32	33	38.5	38.5	40.5	49	49	57.5
MC	35.7	39.2	46.2	46.2	46.2	54.2	54.2	54.2
MD	49.4	57.5	65.4	73.4	79.4	86.5	89.5	106.5
ME	62.4	70.5	78.9	86.9	92.9	106	109	126
MF	40	47	53	61	65	74	77	94
MG	4.9	6	7.9	7.9	9.9	7.5	7.5	7.5
MH	9	9	9	9	9	10	10	10
MJ	4	4	4.5	4.5	4.5	9.5	9.5	9.5
MK	6.5	6.5	8	8	8	11	11	16.5
ML	73.4	81.5	91.4	99.4	105.4	122	125	147.5
MM	1.1	1.5	1.5	1.5	1.5	1.5	1.5	1.5
JA	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5
JB	14	14	14	14	19	19	22	22
Rp thread plug RP	Rp1/8	Rp1/8	Rp1/8	Rp1/8	Rp1/4	Rp1/4	Rp3/8	Rp3/8
Capacity cm ³ Clamping Releasing	4.8 6.5	7.3 9.3	10.8 14.3	19 25.3	26.7 37.8	48.7 66.4	76.6 111.3	132.1 200
Weight×8 kg	0.8	1	1.6	2.2	3.1	4.5	7.6	10.6

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
Clamp
Hydraulic
Cylinders

Booster
Cylinders
&
Unclamping
cylinders

ISO
Specifications
Cylinders

Round
Hydraulic
Cylinders

Specific
Hydraulic
Cylinders

Systems
&
Fittings

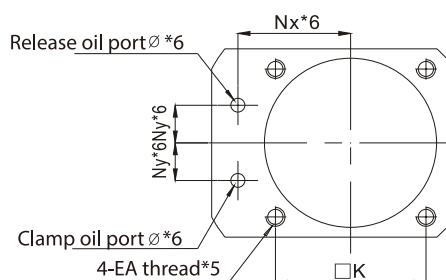
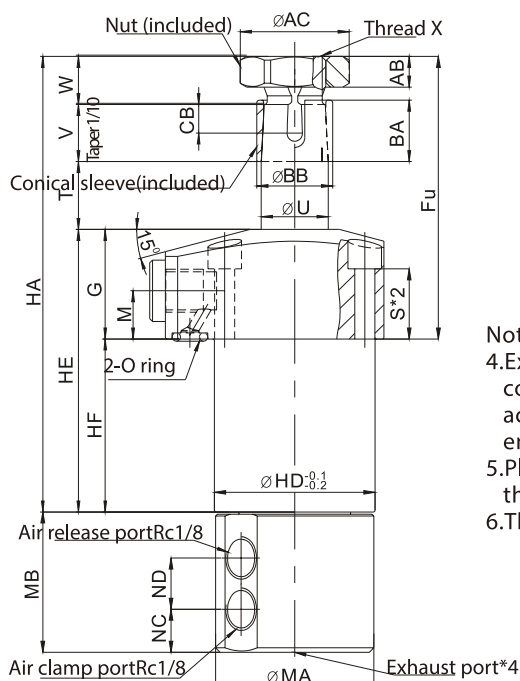
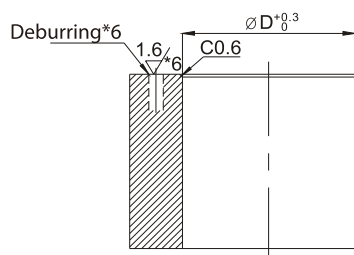
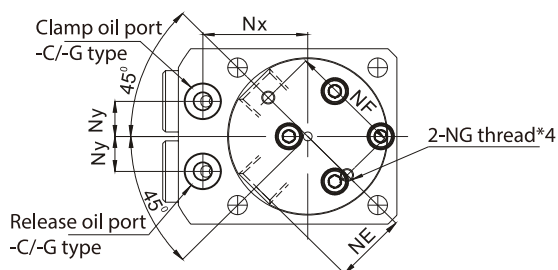
Indicates the weight of the rotating cylinder, including nut and conical sleeve
1. Air sensor want to choose embedded, you can call consultation.

- JLHA:N:Air sensor external piping type

EXTERNAL DIMENSIONS

INSTALLATION PROCESSING DIMENSION

- C:Block(include RP thread plug)



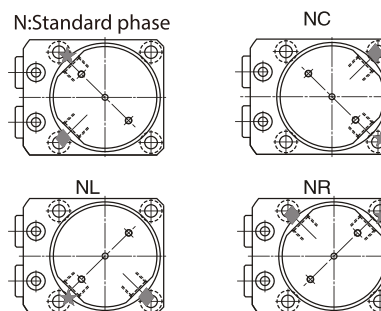
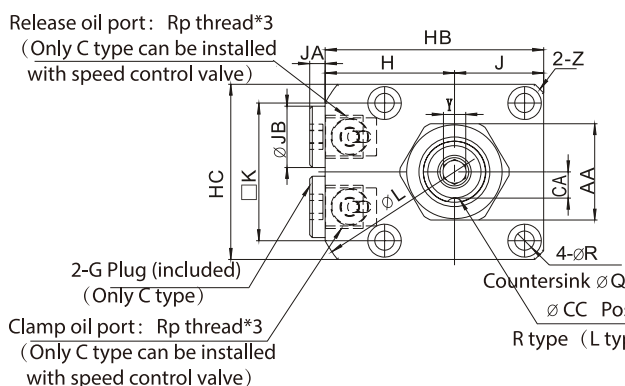
Note:

4.Exhaust port must be discharged into the atmosphere,and prevent coolant and cutting debris from entering.If in direct contact with coolant, accessories should be installed at the NG thread to prevent coolant from entering.However,exhaust port must not be blocked.

5. Please refer to the S dimension and determine the EA thread depth of the mounting bolt according to the mounting height.

6. This processing indicates -C/-G: plate connection type.

CLAMP/RELEASE PHASE OF CONFIRMING PORT



★Part、Release confirm port ◆Part、Clamp confirm port

※ This drawing shows the release state of JLHA- CRM type.

Note:

1. Platen positioning slot towards oil port when clamping.

2. This product doesn't include mounting bolt, please configure it according to installation height and referring to S size.

3.This product doesn't include speed control valve, please configure it referring to P280.

※ When used in combination with other detection methods and options, please contact our business department.

※This product doesn't include clamping arm, please configure it by customers.

EXTERNAL DIMENSIONS AND INSTALLATION PARTS PROCESSING DIMENSION TABLE

Model	JLHA 0360-□□N□	JLHA 0400-□□N□	JLHA 0480-□□N□	JLHA 0550-□□N□	JLHA 0650-□□N□	JLHA 0750-□□N□	JLHA 0900-□□N□	JLHA 1050-□□N□
Total stroke	13.5	14.5	15.5	18.5	20	24	26	32
Swivel stroke(90°)	5.5	6.5	7.5	8.5	10	12	14	16
Clamping stroke	8	8	8	10	10	12	12	16
HA	104.1	115.1	128.6	145.6	156.1	181.1	203.1	240.1
HB	49	54	61	69	81	92	107	122
HC	40	45	51	60	70	80	95	110
HD	36	40	48	55	65	75	90	105
HE	64.5	71.5	79	89	94	109	120	144
HF	39.5	46.5	51	59	63	71	123	88
Fu	64.5	68.5	77.5	86.5	93	110	129	152
G	25	25	28	30	31	38	46	56
H	29	31.5	35.5	39	46	52	59.5	67
J	20	22.5	25.5	30	35	40	47.5	55
K	31.5	34.1	40.1	47.1	55.1	63.1	75.1	88.1
L	66	73	83	88	106	116	136	152
M	11	11	13	12	13	16	19	22
Nx	23.5	26	30	33.5	39.5	45	52.5	60
Ny	8	9	11	12	15	16	18.5	22.5
P	3	3	3	3	5	5	5	5
Q	7.5	9	9	11	11	14	17.5	20
R	4.5	5.5	5.5	6.8	6.8	9	11	14
S	16	15	17.5	17	17	21	25	32
T	15.5	16.5	17.5	20.5	22	26	28	34
U	15 f7	18 f7	22 f7	25 f7	30 f7	35.5 f7	45 f7	55 f7
V	13	15	18	21	24	30	37	43
W	11	12	14	15	16	16	18	19
X(nominal×Pitch)	M14×1.5	M16×1.5	M20×1.5	M22×1.5	M27×1.5	M30×1.5	M39×1.5	M48×1.5
Y	5	6	8	8	10	10	14	14
Z(chamfer)	C2	C3	C3	C3	C4	C5	C6	C6
AA	22	24	30	32	41	46	55	65
AB	7	8	9	10	11	11	12	12
AC	24.5	26.5	33	35.5	45	50	60	71
BA	14	16	19	22	25	31	38	44
BB	17	20	25	28	34	40	49	60
CA	6 ⁰ _{-0.05}	7 ⁰ _{-0.05}	9 ⁰ _{-0.05}	10 ⁰ _{-0.05}	12.5 ⁰ _{-0.05}	14 ⁰ _{-0.05}	18.5 ⁰ _{-0.05}	23 ⁰ _{-0.05}
CB	6.5	6.5	7.5	9.5	11.5	12.5	11.5	13.5
CC	4 ^{+0.05} ₀	4 ^{+0.05} ₀	5 ^{+0.05} ₀	6 ^{+0.05} ₀	6 ^{+0.05} ₀	8 ^{+0.05} ₀	8 ^{+0.05} ₀	10 ^{+0.05} ₀
EA	M4×0.7	M5×0.8	M5×0.8	M6	M6	M8	M10	M12
NA	35.5	39.5	45	45	45	53	53	53
NB	32	33	38.5	38.5	40.5	49	49	57.5
NC	9.8	9	11	11	11	13	13	17
ND	11.7	13	14.5	14.5	14.5	20.5	20.5	24
NE	17	19	21	21	21	24.5	24.5	24.5
NF	25	29	29	29	29	38	38	38
Ng(nominal×symmetry)	M3×0.5×5	M3×0.5×5	M3×0.5×5	M3×0.5×5	M3×0.5×5	M4×0.7×6	M4×0.7×6	M4×0.7×6
JA	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5
JB	14	14	14	14	19	19	22	22
Rp thread plug RP	Rp1/8	Rp1/8	Rp1/8	Rp1/8	Rp1/4	Rp1/4	Rp3/8	Rp3/8
O ring seal (-C/-G type)	4.8×1.9	4.8×1.9	4.8×1.9	4.8×1.9	6.8×1.9	6.8×1.9	6.8×1.9	6.8×1.9
3-O ring seal	29.87×1.78	34.65×1.78	41×1.78	41×1.78	41×1.78	47.35×1.78	47.35×1.78	47.35×1.78
Capacity	4.8	7.3	10.8	19	26.7	48.7	76.6	132.1
Clamping Releasing	6.5	9.3	14.3	25.3	37.8	66.4	111.3	200
Weight※7 kg	0.8	1	1.6	2.2	3.1	4.5	7.6	10.6

Note:※7.Indicates the weight of the rotating cylinder, including nut and conical sleeve
1.Air sensor want to choose embedded, you can call consultation.

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
Clamp
Hydraulic
Cylinders

Booster
Cylinders
&
Unclamping
cylinders

ISO
Specifications
Cylinders

Round
Hydraulic
Cylinders

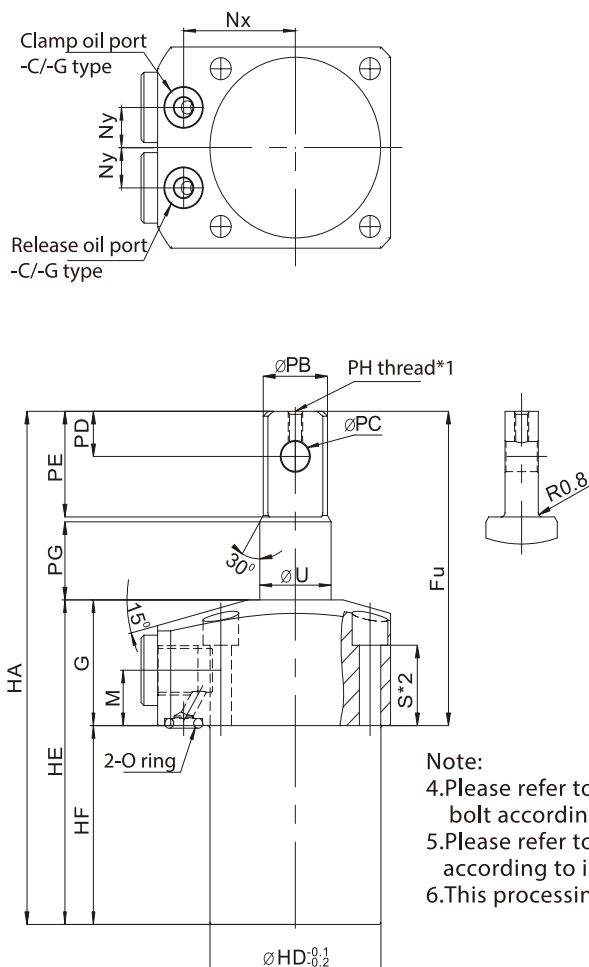
Specific
Hydraulic
Cylinders

Systems
&
Fittings

● JLHA:P:Double pressure arm type

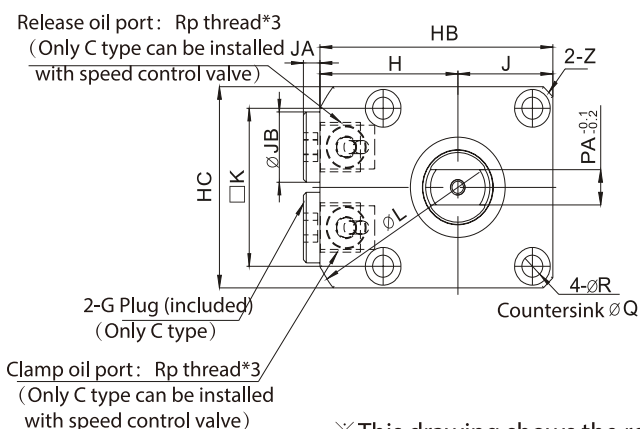
EXTERNAL DIMENSIONS

● C:Block(include RP thread plug)



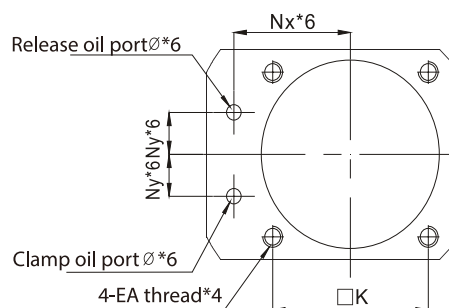
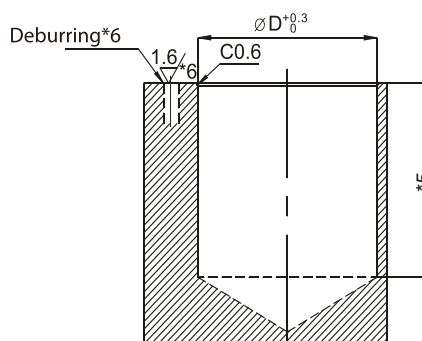
Note:

4. Please refer to S size, determine the EA thread depth of the installation bolt according to installation height.
5. Please refer to F size, determine depth of installation hole ϕD of body according to installation height.
6. This processing indicates -C/-G: plate connection type.

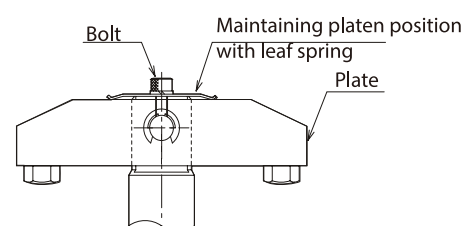


※ This drawing shows the release state of JLHA-C□-P.

INSTALLATION PROCESSING DIMENSION



DOUBLE PRESSURE ARM



Note:

1. Please use the screw at the top of piston rod when pressure arm position must be maintained (PH thread).
 2. This product doesn't include mounting bolt, please configure it according to installation height and referring to S size.
 3. This product doesn't include speed control valve, please configure it referring to P280.
- ※ When used in combination with other detection methods and options, please contact our business department.
- ※ This product doesn't include clamping arm, please configure it by customers.

EXTERNAL DIMENSIONS
AND INSTALLATION PARTS
PROCESSING DIMENSION TABLE

(mm)

Model	JLHA 0360-□□-P	JLHA 0400-□□-P	JLHA 0480-□□-P	JLHA 0550-□□-P	JLHA 0650-□□-P	JLHA 0750-□□-P	JLHA 0900-□□-P	JLHA 1050-□□-P
Total stroke	13.5	14.5	15.5	18.5	20	24	26	32
Swivel stroke(90°)	5.5	6.5	7.5	8.5	10	12	14	16
Clamping stroke	8	8	8	10	10	12	12	16
HA	102.1	113.1	126.6	143.6	156.1	181.1	203.1	238.1
HB	49	54	61	69	81	92	107	122
HC	40	45	51	60	70	80	95	110
HD	36	40	48	55	65	75	90	105
HE	64.5	71.5	79	89	94	109	120	144
HF	39.5	46.5	51	59	63	71	74	88
Fu	62.5	66.5	75.5	84.5	93	110	129	150
G	25	25	28	30	31	38	46	56
H	29	31.5	35.5	39	46	52	59.5	67
J	20	22.5	25.5	30	35	40	47.5	55
K	31.5	34.1	40.1	47.1	55.1	63.1	75.1	88.1
L	66	73	83	88	106	116	136	152
M	11	11	13	12	13	16	19	22
Nx	23.5	26	30	33.5	39.5	45	52.5	60
Ny	8	9	11	12	15	16	18.5	22.5
P	3	3	3	3	5	5	5	5
Q	7.5	9	9	11	11	14	17.5	20
R	4.5	5.5	5.5	6.8	6.8	9	11	14
S	16	15	17.5	17	17	21	25	32
U	15 f7	18 f7	22 f7	25 f7	30 f7	35.5 f7	45 f7	55 f7
Z(chamfer)	C2	C3	C3	C3	C4	C5	C6	C6
EA	M4×0.7	M5×0.8	M5×0.8	M6	M6	M8	M10	M12
PA	7	8	10	12	14	16	22	26
PB	13.5	16	20	23	28	33.5	43	53
PC	6	6	8	23	13	13	16	20
PD	9	11	12	12.5	16.5	19	23.5	25.5
PE	21	24	27.5	31.5	38.5	43.5	52.5	58.5
PF	22	25	29	33	40	45	54	60
PG	15.5	16.5	18.5	21.5	22	27	29	34
PH	M3×0.5	M3×0.5	M4×0.7	M5×0.8	M6	M6	M8	M8
JA	3.5	3.5	3.5	3.5	4.5	4.5	4.5	4.5
JB	14	14	14	14	19	19	22	22
Rp thread plug RP	Rp1/8	Rp1/8	Rp1/8	Rp1/8	Rp1/4	Rp1/4	Rp3/8	Rp3/8
O ring seal (-C/-G type)	4.8×1.9	4.8×1.9	4.8×1.9	4.8×1.9	6.8×1.9	6.8×1.9	6.8×1.9	6.8×1.9
3-O ring seal	29.87×1.78	34.65×1.78	41×1.78	41×1.78	41×1.78	41×1.78	47.35×1.78	47.35×1.78
CapacityCm ³ Clamping Releasing	4.8 7.2	7.3 10.9	10.8 16.7	19 28.1	26.7 40.9	48.7 72.5	76.6 117.9	132.1 208.1
Weight※7 kg	0.7	0.9	1.3	1.9	2.8	4	7	9.8

Note:※7.Indicates the weight of the rotating cylinder, including nut and conical sleeve.

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
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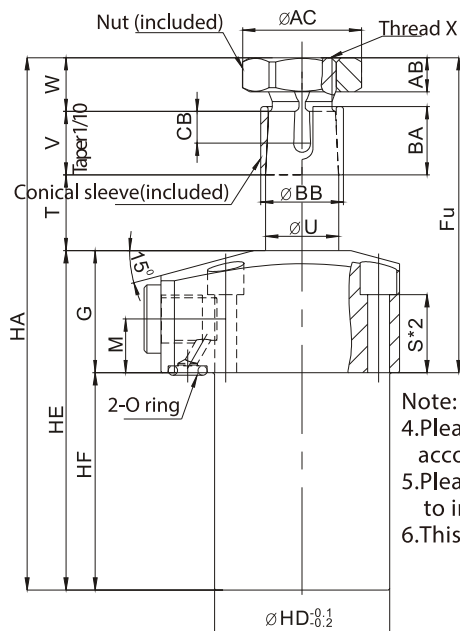
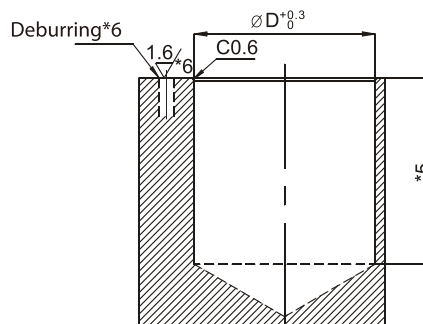
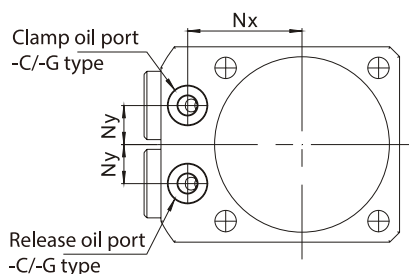
Systems
&
Fittings

- JLHA:Q□:Clamping stroke

EXTERNAL DIMENSIONS

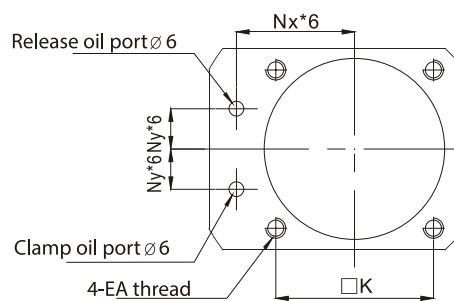
- C:Block(include RP thread plug)

INSTALLATION PROCESSING DIMENSION

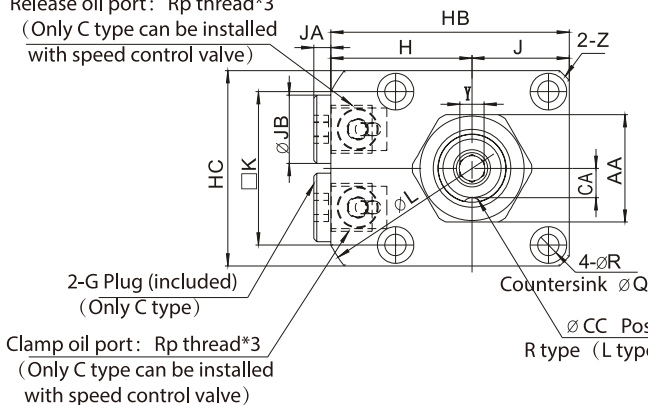


Note:

- Please refer to S size, determine the EA thread depth of the installation bolt according to installation height.
- Please refer to F size, determine depth of installation hole $\varnothing D$ of body according to installation height.
- This processing indicates -C: plate connection type.



Release oil port: Rp thread*3
(Only C type can be installed
with speed control valve)



Clamp oil port: Rp thread*3
(Only C type can be installed
with speed control valve)

※ This drawing shows the release state of JLHA-CR-Q.

Note:

- Platen positioning slot towards oil port when clamping.
 - This product doesn't include mounting bolt, please configure it according to installation height and referring to S size.
 - This product doesn't include speed control valve, please configure it referring to P280.
- ※ When used in combination with other detection methods and options, please contact our business department.
- ※ This product doesn't include clamping arm, please configure it by customers.

● JLHA:Q□:Clamping stroke

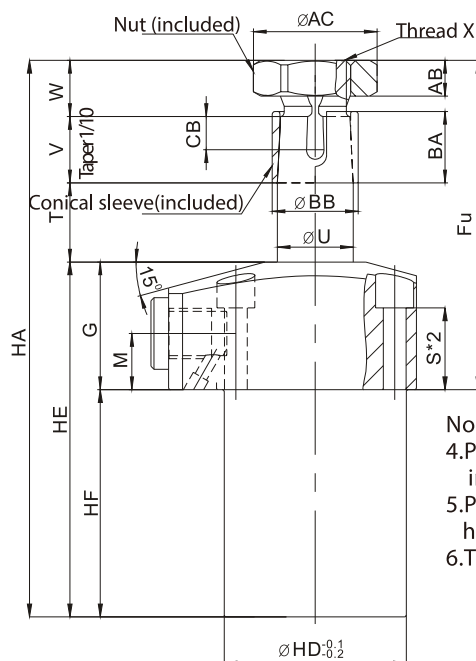
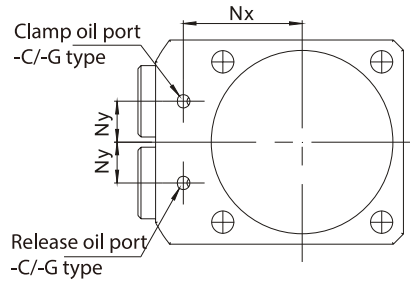
Model	Size	Direction of rotation (clamping)	Clamping run
JLHA	0360	L: Turn left	Q15:Clamping run15mm
	0400		Q20:Clamping run20mm
	0480		Q25:Clamping run25mm
	0550	R: Turn right	Q30:Clamping run30mm
	0650		
	0750		
	0900		
	1050		

EXTERNAL DIMENSIONS AND INSTALLATION PARTS PROCESSING DIMENSION TABLE

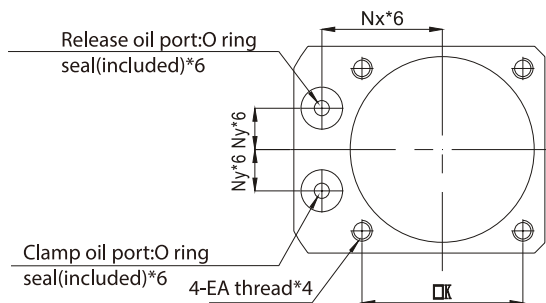
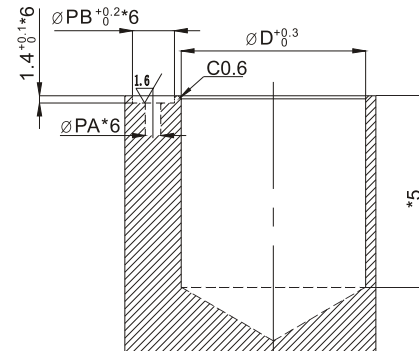
Model	JLHA 0360-□□-Q□				JLHA 0400-□□-Q□			JLHA 0480-□□-Q□			JLHA 0550-□□-Q□			JLHA 0650-□□-Q□				JLHA 0750-□□-Q□			JLHA 0900-□□-Q□		(mm)	
Optional accessory type	Q15	Q20	Q25	Q30	Q15	Q20	Q25	Q15	Q20	Q25	Q15	Q20	Q25	Q15	Q20	Q25	Q30	Q20	Q25	Q20	Q25			
Total run	20.5	25.5	33	38	21.5	26.5	34.5	22.5	27.5	36	23.5	28.5	33.5	25	30	35	40	32	37	34	39			
Swivel stroke(90°)	5.5	5.5	8	8	6.5	6.5	9.5	7.5	7.5	11	8.5	8.5	8.5	10	10	10	10	12	12	14	14			
Clamping stroke	15	20	25	30	15	20	25	15	20	25	15	20	25	15	20	25	30	20	25	20	25			
HA	125.1	140.1	162.6	177.6	136.1	151.1	175.1	149.6	164.6	190.1	160.6	175.6	190.6	171.1	186.1	201.1	216.1	205.1	220.1	227.1	242.1			
HB	49				54			61			69			81				92			107			
HC	40				45			51			60			70				80			95			
HD	36				40			48			55			65				75			90			
HE	78.5	88.5	103.5	113.5	85.5	95.5	111.5	93	103	120	99	109	119	104	114	124	134	125	135	136	146			
HF	53.5	63.5	78.5	88.5	60.5	70.5	86.5	65	75	92	69	79	89	73	83	93	103	87	97	90	100			
Fu	71.5	76.5	84	89	75.5	80.5	88.5	84.5	89.5	98	91.5	96.5	101.5	98	103	108	113	118	123	137	142			
G	25				25			28			30			31				38			46			
H	29				31.5			35.5			39			46				52			59.5			
J	20				22.5			25.5			30			35				40			47.5			
K	31.5				34.1			40.1			47.1			55.1				63.1			75.1			
L	66				73			83			88			106				116			136			
M	11				11			13			12			13				16			19			
Nx	23.5				26			30			33.5			39.5				45			52.5			
Ny	8				9			11			12			15				16			18.5			
P	3				3			3			3			5				5			5			
Q	7.5				9			9			11			11				14			17.5			
R	4.5				5.5			5.5			6.8			6.8				9			11			
S	16				15			17.5			17			17				21			25			
T	22.5	27.5	35	40	23.5	28.5	36.5	24.5	29.5	38	25.5	30.5	35.5	27	32	37	42	34	39	36	41			
U	15 f7				18 f7			22 f7			25 f7			30 f7				35.5 f7			45 f7			
V	13				15			18			21			24				30			37			
W	11				12			14			15			16				16			18			
X (nominal×Pitch)	M14×1.5				M16×1.5			M20×1.5			M22×1.5			M27×1.5				M30×1.5			M39×1.5			
Y	5				6			8			8			10				10			14			
Z(chamfer)	C2				C3			C3			C3			C4				C5			C6			
AA	22				24			30			32			41				46			55			
AB	7				8			9			10			11				11			12			
AC	24.5				26.5			33			35.5			45				50			60			
BA	14				16			19			22			25				31			38			
BB	17				20			25			28			34				40			49			
CA	6 ⁰ _{-0.05}				7 ⁰ _{-0.05}			9 ⁰ _{-0.05}			10 ⁰ _{-0.05}			12.5 ⁰ _{-0.05}				14 ⁰ _{-0.05}			18.5 ⁰ _{-0.05}			
CB	6.5				6.5			7.5			9.5			11.5				12.5			11.5			
CC	4 ^{+0.05} ₀				4 ^{+0.05} ₀			5 ^{+0.05} ₀			6 ^{+0.05} ₀			6 ^{+0.05} ₀				8 ^{+0.05} ₀			8 ^{+0.05} ₀			
EA	M4×0.7				M8×0.8			M5×0.8			M6			M6				M8			M10			
JA	3.5				3.5			3.5			3.5			4.5				4.5			4.5			
JB	14				14			14			14			19				19			22			
Rp thread plug	RP	Rp1/8			Rp1/8			Rp1/8			Rp1/8			Rp1/4				Rp1/4			Rp3/8			
O ring seal	-C type	4.8×1.9			4.8×1.9			4.8×1.9			4.8×1.9			6.8×1.9				6.8×1.9			6.8×1.9			
Capacity	cm ³	7.2	8.9	11.6	13.3	10.8	13.3	17.3	15.8	19.3	25.2	24.2	29.4	34.5	33.5	40.2	46.9	65	75.1	100.3	115.1			
Clamping Releasing		10.9	13.5	17.5	20.2	16.2	20	26	24.2	29.6	38.7	35.7	43.3	50.9	51.1	61.3	71.5	96.6	111.7	154.2	176.9			
Weight	×8 kg	0.7	0.8	1	1	1	1.1	1.3	1.6	1.7	2	2.2	2.4	2.5	3.2	3.5	3.7	4	4.8	5.2	8.3	8.8		

EXTERNAL DIMENSIONS

- C:Block(include RP thread plug)



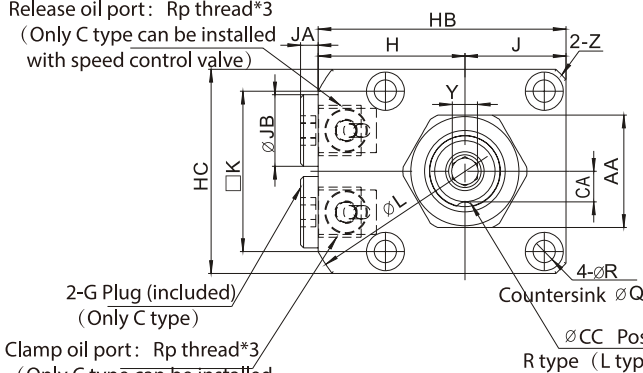
INSTALLATION PROCESSING DIMENSION



Note:

4. Please refer to S size, determine the EA thread depth of the installation bolt according to installation height.
5. Please refer to HF size, determine depth of installation hole ϕD of body according to installation height.
6. This processing indicates -C: plate connection type.

Release oil port: Rp thread*3
(Only C type can be installed with speed control valve)



Clamp oil port: Rp thread*3/
(Only C type can be installed
with speed control valve)

※ This drawing shows the release state of JLHA-CR-Q.

Note:

1. Platen positioning slot towards oil port when clamping.
 2. This product doesn't include mounting bolt, please configure it according to installation height and referring to S size.
 3. This product doesn't include speed control valve, please configure it referring to P280.
- ※ When used in combination with other detection methods and options, please contact our business department.
- ※ This product doesn't include clamping arm, please configure it by customers.

- JLHA:Q□:Clamping stroke

Model	Size	Direction of rotation (clamping)	Clamping run
JLHA	0360	L: Turn left	Q35:Clamping run35mm
	0400		Q40:Clamping run40mm
	0480		
	0550		
	0650	R: Turn right	Q45:Clamping run45mm
	0750		
	0900		Q50:Clamping run50mm
	1050		

Tie-rod Hydraulic Cylinder

Mold Hydraulic Cylinders

Swivel & Clamp Hydraulic Cylinders

Booster Cylinders & Unclamping cylinders

ISO
Specifications
Cylinders

Round Hydraulic Cylinders

Specific Hydraulic Cylinders

Systems & Fittings

EXTERNAL DIMENSIONS AND INSTALLATION PARTS PROCESSING DIMENSION TABLE

(mm)

Model	JLHA 0360-□□ -□□	JLHA 0400-□□-□□			JLHA 0480-□□-□□			JLHA 0550-□□-□□					JLHA 0650-□□-□□				JLHA 0750-□□-□□					JLHA 0900-□□-□□					JLHA 1050-□□-□□					
Optional accessory type	Q35	Q30	Q35	Q40	Q30	Q35	Q40	Q30	Q35	Q40	Q45	Q50	Q35	Q40	Q45	Q50	Q30	Q35	Q40	Q45	Q50	Q30	Q35	Q40	Q45	Q50	Q25	Q30	Q35	Q40	Q45	Q50
Total run	43	39.5	44.5	49.5	41	46	51	42	47	52	57	62	50	60	65	42	47	55	60	65	44	49	57	62	67	41	46	51	56	61	66	
Swivel stroke (90°)	8	9.5	9.5	9.5	11	11	11	12	12	12	12	12	15	15	15	15	12	12	15	15	15	14	14	17	17	17	16					
Clamping stroke	35	30	35	40	30	35	40	30	35	40	45	50	35	40	45	50	30	35	40	45	50	30	35	40	45	50	25	30	35	40	45	50
HA	192.6	190.1	205.1	220.1	205.1	220.1	235.1	216.1	231.1	246.1	261.1	276.1	246.1	261.1	276.1	291.1	235.1	250.1	274.1	289.1	304.1	257.1	272.1	296.1	311.1	326.1	267.1	282.1	297.1	312.1	327.1	342.1
HB	49	54			61			69					81				92					107					122					
HC	40	45			51			60					70				80					95					110					
HD	36	40			48			55					65				75					90					105					
HE	123.5	121.5	131.5	141.5	130	140	150	136	146	156	166	176	154	164	174	184	145	155	171	181	191	156	166	182	192	202	162	172	182	192	202	212
HF	98.5	96.5	106.5	116.5	102	112	122	106	116	126	136	146	123	133	143	153	107	117	133	143	153	110	120	136	146	156	106	116	126	136	146	156
Fu	94	93.5	98.5	103.5	103	108	113	110	115	120	125	130	123	128	133	138	128	133	141	146	151	147	152	160	165	170	161	166	171	176	181	186
G	25	25			28			30					31				38					46				56						
H	29	31.5			35.5			39					46				52					59.5				67						
J	20	22.5			25.5			30					35				40					47.5				55						
K	31.5	34.1			40.1			47.1					55.1				63.1					75.1				88.1						
L	66	73			83			88					106				116					136				152						
M	11	11			13			12					13				16					19				22						
Nx	23.5	26			30			33.5					39.5				45					52.5				60						
Ny	8	9			11			12					15				16					18.5				22.5						
PA	3	3			3			3					5				5					5				5						
PB	8	8			8			8					10				10					10				10						
Q	7.5	9			9			11					11				14					17.5				20						
R	4.5	5.5			5.5			6.8					6.8				9					11				14						
S	16	15			17.5			17					17				21					25				32						
T	45	41.5	46.5	51.5	43	48	53	44	49	54	59	64	52	57	62	67	44	49	57	62	67	46	51	59	64	69	43	48	53	58	63	68
U	15 f7	18 f7			22 f7			25 f7					30 f7				35.5 f7					45 f7				55 f7						
V	13	15			18			21					24				30					37				43						
W	11	12			14			15					16				16					18				19						
X (nominal×Pitch)	M14×1.5	M16×1.5			M20×1.5			M22×1.5					M27×1.5				M30×1.5					M39×1.5				M48×1.5						
Y	5	6			8			8					10				10					14				14						
Z(chamfer)	C2	C3			C3			C3					C4				C5					C6				C6						
AA	22	24			30			32					41				46					55				65						
AB	7	8			9			10					11				11					12				12						
AC	24.5	26.5			33			35.5					45				50					60				71						
BA	14	16			19			22					25				31					38				44						
BB	17	20			25			28					34				40					49				60						
CA	6 _{-0.05} ⁰	7 _{-0.05} ⁰			9 _{-0.05} ⁰			10 _{-0.05} ⁰					12.5 _{-0.05} ⁰				14 _{-0.05} ⁰					18.5 _{-0.05} ⁰				23 _{-0.05} ⁰						
CB	6.5	6.5			7.5			9.5					11.5				12.5					11.5				13.5						
CC	4 _{-0.05} ^{+0.05} ₀	4 _{-0.05} ^{+0.05} ₀			5 _{-0.05} ^{+0.05} ₀			6 _{-0.05} ^{+0.05} ₀					6 _{-0.05} ^{+0.05} ₀				8 _{-0.05} ^{+0.05} ₀					8 _{-0.05} ^{+0.05} ₀				10 _{-0.05} ^{+0.05} ₀						
EA	M4×0.7	M5×0.8			M5×0.8			M6					M6				M8					M10				M12						
JA	3.5	3.5			3.5			3.5					4.5				4.5					4.5				4.5						
JB	14	14			14			14					19				19					22				22						
Rp thread plug RP	Rp1/8	Rp1/8			Rp1/8			Rp1/8					Rp1/4				Rp1/4					Rp3/8				Rp3/8						
O ring seal -C type	4.8×1.9	4.8×1.9			4.8×1.9			4.8×1.9					6.8×1.9				6.8×1.9					6.8×1.9				6.8×1.9						
CapacityClamping c.m ³ Releasing	15.1 29.8	19.8 33.6	22.3 37.4	24.8 37.4	28.7 44.1	32 49.5	35.7 54.8	43.3 63.9	48.4 71.5	53.6 79.1	58.7 86.7	63.9 94.3	67 102.1	73.7 102.1	80.4 122.6	87.1 132.7	85.3 126.8	95.4 141.9	111.7 166	121.8 181.1	132 196.2	129.8 199.6	144.4 222.3	168.2 258.6	182.9 281.3	197.7 303.9	169.3 266.7	190 299.2	210.6 331.7	231.3 364.2	251.9 396.7	272.6 429.3
Weight※8 kg	1.1	1.4	1.5	1.6	2.1	2.3	2.4	2.8	3	3.2	3.4	3.6	4.5	4.8	5	5.3	5.5	5.9	6.3	6.6	6.9	9.3	9.8	10.4	10.9	11.4	11.4	12.1	12.7	13.4	14.1	14.8

Note: ✖ 8. Indicates the weight of the rotating cylinder, including nut and conical sleeve.

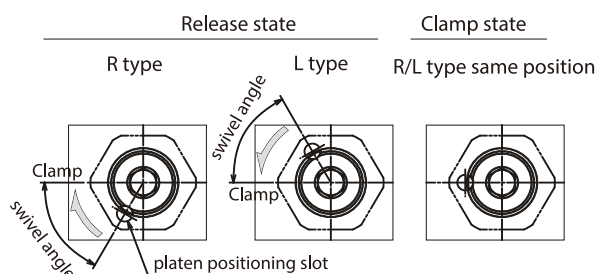
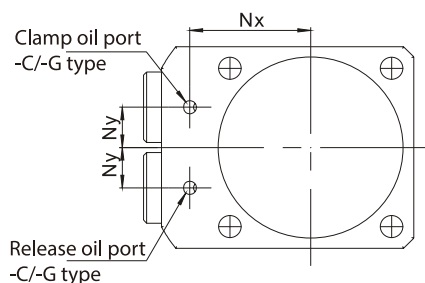
- JLHA:Y□:Swivel angle

EXTERNAL DIMENSIONS

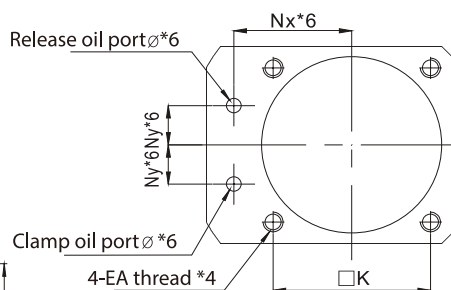
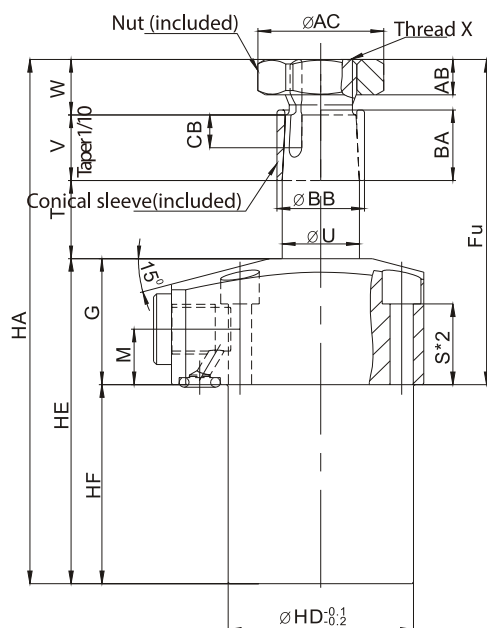
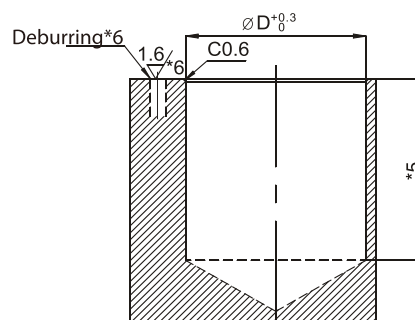
- C:Block(speed control valve with RP thread plug)

※1.Detailed explanation of platen positioning slot

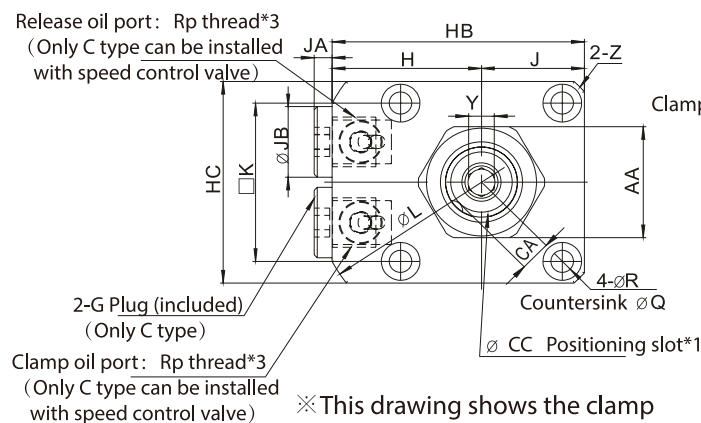
In release state, the position of platen positioning slot will change with rotation direction and rotation angle during clamping. Towards oil port when clamping.



INSTALLATION PROCESSING DIMENSION



Release oil port: Rp thread*3
(Only C type can be installed
with speed control valve)



Note:

4. Please refer to S size, determine the EA thread depth of the installation bolt according to installation height.
5. Please refer to HF size, determine depth of installation hole ϕD of body according to installation height.
6. This processing indicates -C: plate connection type.

Note:

1. Platen positioning slot towards oil port when clamping.
 2. This product doesn't include mounting bolt, please configure it according to installation height and referring to S size.
 3. This product doesn't include speed control valve, please configure it referring to P280.
- ※ When used in combination with other detection methods and options, please contact our business department.
- ※ This product doesn't include clamping arm, please configure it by customers.

EXTERNAL DIMENSIONS AND INSTALLATION PARTS PROCESSING DIMENSION TABLE

(mm)

Model	JLHA 0360-□□-Y□			JLHA 0400-□□-Y□			JLHA 0480-□□-Y□			JLHA 0550-□□-Y□			JLHA 0650-□□-Y□			JLHA 0750-□□-Q□			JLHA 0900-□□-Y□			JLHA 1050-□□-Y□		
Optional accessory type	Y30	Y45	Y60	Y30	Y45	Y60	Y30	Y45	Y60	Y30	Y45	Y60	Y30	Y45	Y60	Y30	Y45	Y60	Y30	Y45	Y60	Y30	Y45	Y60
Swivel angle	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°	30°	45°	60°
Total run	10.9	11.5	12.2	11.5	12.3	13	12.1	13	13.8	14.7	15.6	16.6	15.3	16.5	17.6	18.07	20	21.3	19.9	21.4	22.9	24.8	26.6	28.4
Swivel stroke (90°)	2.9	3.5	4.2	3.5	4.3	5	4.1	5	5.8	4.7	5.6	6.6	5.3	6.5	7.6	6.7	8	9.3	7.9	9.4	1.9	8.8	10.6	12.4
Clamping stroke	8			8			8			10			10			12			12			16		
HA	101.5	102.1	102.8	112.1	112.9	113.6	125.2	126.1	126.9	141.8	142.7	143.7	151.4	152.6	153.7	175.8	177.1	175.4	197	198.5	199.95	232.9	234.7	236.5
HB	49			54			61			69			81			92			107			122		
HC	40			45			51			60			70			80			95			110		
HD	36			40			48			55			65			75			90			105		
HE	64.5			71.5			79			89			94			109			120			144		
HF	39.5			46.5			51			59			63			71			74			88		
Fu	61.9	62.5	63.2	65.5	66.3	67	74.1	75	75.8	82.7	83.6	84.6	88.3	89.5	90.6	104.7	106	107.3	122.9	124.4	125.9	144.8	146.6	148.4
G	25			25			28			30			31			38			46			56		
H	29			31.5			35.5			39			46			52			59.5			67		
J	20			22.5			25.5			30			35			40			47.5			55		
K	31.5			34.1			40.1			47.1			55.1			63.1			75.1			88.1		
L	66			73			83			88			106			116			136			152		
M	11			11			13			12			13			16			19			22		
Nx	23.5			26			30			33.5			39.5			45			52.5			60		
Ny	8			9			11			12			15			16			18.5			22.5		
P	3			3			3			3			5			5			5			5		
Q	7.5			9			9			11			11			14			17.5			20		
R	4.5			5.5			5.5			6.8			6.8			9			11			14		
S	16			15			17.5			17			17			21			25			32		
T	12.9	13.5	14.2	13.5	14.3	15	14.1	15	15.8	16.7	17.6	18.6	17.3	18.5	19.6	20.7	22	23.3	21.9	23.4	24.9	26.8	28.6	30.4
U	15 f7			18 f7			22 f7			25 f7			30 f7			35.5 f7			45 f7			55 f7		
V	13			15			18			21			24			30			37			43		
W	11			12			14			15			16			16			18			19		
X (nominal×Pitch)	M14×1.5			M16×1.5			M20×1.5			M22×1.5			M27×1.5			M30×1.5			M39×1.5			M48×1.5		
Y	5			6			8			8			10			10			14			14		
Z(chamfer)	C2			C3			C3			C3			C4			C5			C6			C6		
AA	22			24			30			32			41			46			55			65		
AB	7			8			9			10			11			11			12			12		
AC	24.5			26.5			33			35.5			45			50			60			71		
BA	14			16			19			22			25			31			38			44		
BB	17			20			25			28			34			40			49			60		
CA	6 ⁰ _{-0.05}			7 ⁰ _{-0.05}			9 ⁰ _{-0.05}			10 ⁰ _{-0.05}			12.5 ⁰ _{-0.05}			14 ⁰ _{-0.05}			18.5 ⁰ _{-0.05}			23 ⁰ _{-0.05}		
CB	6.5			6.5			7.5			9.5			11.5			12.5			11.5			13.5		
CC	4 ^{+0.05} ₀			4 ^{+0.05} ₀			5 ^{+0.05} ₀			6 ^{+0.05} ₀			6 ^{+0.05} ₀			8 ^{+0.05} ₀			8 ^{+0.05} ₀			10 ^{+0.05} ₀		
EA	M4×0.7			M5×0.8			M5×0.8			M6			M6			M8			M10			M12		
JA	3.5			3.5			3.5			3.5			4.5			4.5			4.5			4.5		
JB	14			14			14			14			19			19			22			22		
Rp thread plug RP	Rp1/8			Rp1/8			Rp1/8			Rp1/8			Rp1/4			Rp1/4			Rp3/8			Rp3/8		
O ring seal -C type	4.8×1.9			4.8×1.9			4.8×1.9			4.8×1.9			6.8×1.9			6.8×1.9			6.8×1.9			6.8×1.9		
Capacity cm ³	3.8	4	4.3	5.8	6.2	6.5	8.5	9.1	9.7	15.1	16.1	17.1	20.3	22.1	23.6	38	40.6	43.2	58.7	63.1	67.6	102.4	109.9	117.3
Clamping Releasing	5.8	6.1	6.5	8.7	9.3	9.8	13	14	14.8	22.4	23.7	25.2	31.3	33.7	36	56.5	60.4	64.3	90.3	97.1	103.9	161.3	173	184.7
Weight※7 kg	0.7			0.9			1.4			2			2.9			4.2			7.2			10.1		

JBZL SPEEDCONTROL VALVE



Speed control valve that can be directly installed on the oil cylinder

Model	Size	Control mode
JBZL	0100	Circuit symbol: Oil inlet throttle A: P1 oil port Oil pressure supply side  P2 oil port Clamping side
	0200	
	0300	Circuit symbol: Return oil throttle B: P1 oil port Oil pressure supply side  P2 oil port Clamping side

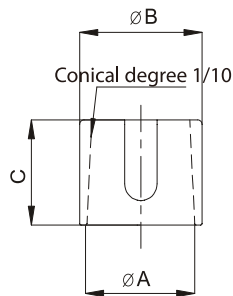
Spec.

Model	JBZL0100-A	JBZL0200-A	JBZL0300-A	JBZL0100-B	JBZL0200-B	JBZL0300-B
Max. working pressure Mpa	7					
Voltage resistance Mpa	10.5					
Control mode	Oil inlet throttle			Return oil throttle		
Thread size	Rp1/8	Rp1/4	Rp3/8	Rp1/8	RpG1/4	Rp3/8
Starting pressure Mpa	0.04			0.12		
Max. channel area mm ²	2.6	5.0	11.6	2.6	5.0	10.2
Fluid	(ISO Viscosity grade ISO-SG-32 General hydraulic oil)					
Temperature °C	0~70					
Recommended tightening torque N.m	10	25	35	10	25	35

Note:

- 1、The min. channel area is equal to the max. channel area in the table above when control side is fully enabled.
- 2、Please follow the diagram when using, if set P1 oil port to the oil pressure supply side and P2 oil port to the clamping side, flow control will not be possible.
- 3、Don't use the used JBZL (speed control valve) on other cylinders.
Otherwise, the metal seal may not be tight due to the difference in the bottom depth of the Rp thread of the cylinder, so that it is impossible to adjust the speed.

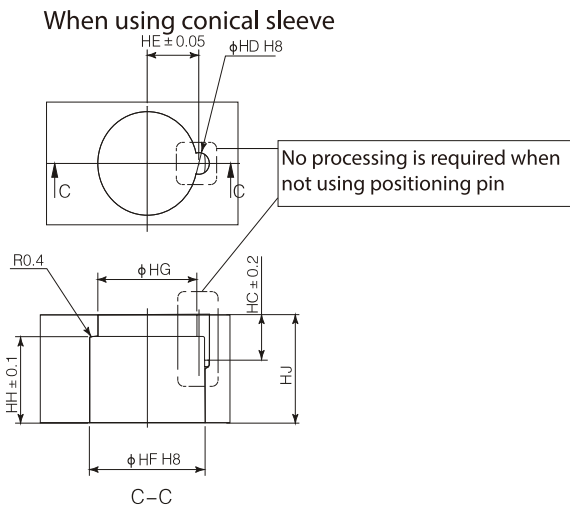
● JLHA:TS Conical sleeve



(mm)

Type	JLHA0360	JLHA0400	JLHA0480	JLHA0550	JLHA0650	JLHA0750	JLHA0900	JLHA1050
A	14	18	22.4	25	30	35.5	45	50.6
B	16	20	25	28	34	40	49	60
C	13	16	21	20	22	29	38	44

**MACHINING OF
CLAMPING ARM**



MACHINING DIMENSION

Type	JLHA0360	JLHA0400	JLHA0480	JLHA0550	JLHA0650	JLHA0750	JLHA0900	JLHA1050
HC	10.5	10.5	12.5	14.5	16.5	17.5	17.5	20.5
HD	4 $+0.018$ ₀	4 $+0.018$ ₀	5 $+0.018$ ₀	6 $+0.018$ ₀	6 $+0.018$ ₀	8 $+0.022$ ₀	8 $+0.022$ ₀	10 $+0.022$ ₀
HE	8	9	11.5	13	15.5	18	22.5	28
HF	17 $+0.027$ ₀	20 $+0.033$ ₀	25 $+0.033$ ₀	28 $+0.033$ ₀	34 $+0.039$ ₀	40 $+0.039$ ₀	49 $+0.039$ ₀	60 $+0.046$ ₀
HG	15	17	21	23.5	29	33	42	51
HH	14	16	19	22	25	31	38	44
HJ	17	19	23	26	29	35	43	50
Positioning pin	$\phi 4(h8^{0}_{-0.018}) \times 10$	$\phi 4(h8^{0}_{-0.018}) \times 10$	$\phi 5(h8^{0}_{-0.018}) \times 12$	$\phi 6(h8^{0}_{-0.018}) \times 14$	$\phi 6(h8^{0}_{-0.018}) \times 16$	$\phi 8(h8^{0}_{-0.022}) \times 16$	$\phi 8(h8^{0}_{-0.022}) \times 16$	$\phi 10(h8^{0}_{-0.022}) \times 20$

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
Clamp
Hydraulic
Cylinders

Booster
Cylinders
&
Unclamping
cylinders

ISO
Specifications
Cylinders

Round
Hydraulic
Cylinders

Specific
Hydraulic
Cylinders

Systems
&
Fittings