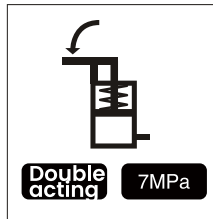
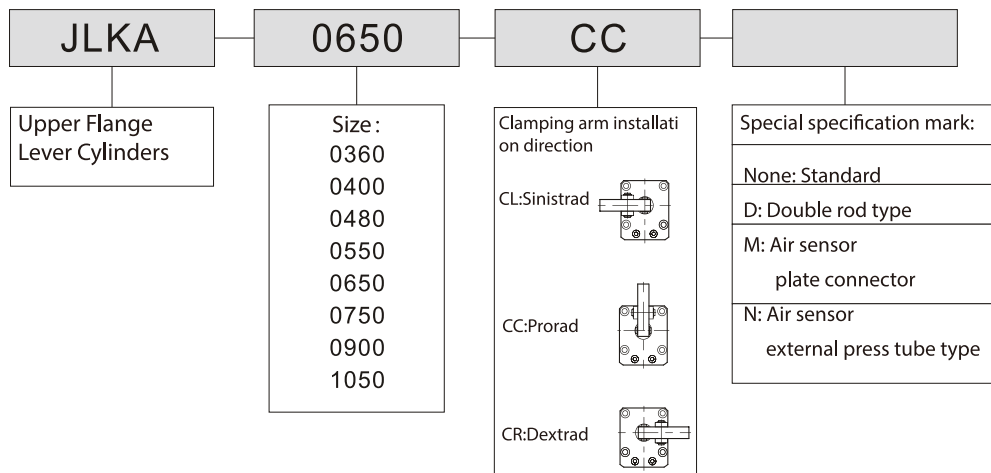


JLKA UPPER FLANGE LEVER CYLINDERS



High cost performance linkage clamp with compact structure, large capacity and strong durability

ORDER INDICATION



FEATURE

Model		JLKA0360	JLKA0400	JLKA0480	JLKA0550	JLKA0650	JLKA0750	JLKA0900	JLKA1050
Cylinder capacity (The oil pressure is 7MPa)	(kN)	3.2	3.8	5.0	6.8	11.2	16.7	25.5	35.2
Clamping force※1	(kN)	2.2	2.7	3.6	4.4	7.7	12.0	19.9	27.4
Clamping arm length(LH)	(mm)	33.5	36.5	42	50	56.5	67.5	77.5	95
Main rod diameter	(mm)	10	12	14	16	20	22	28	35.5
Cylinder outside diameter	(mm)	36	40	48	55	65	75	90	105
Cylinder area (clamping)	(cm ²)	4.52	5.31	7.07	9.62	15.9	23.8	36.3	50.3
Total stroke		18.5	20.5	23.5	26	29.5	35	41	49
Clamping stroke		16	17.5	20.5	23	26.5	32	38	46
Maximum working pressure	(MPa)	7							
Minimum operating pressure※2	(MPa)	0.5							
Withstand voltage	(MPa)	10.5							
Service temperature	(°C)	0-70							
Working fluid		ISO viscosity grade ISO-VG-32 General hydraulic oil							

Oil pressure range :1.5-7MPa Guaranteed pressure: 10.5MPa Ambient temperature :0-70 °C Fluid: Common mineral oil based hydraulic oil (equivalent to ISO-VG32)

※1: The clamping force varies with the length of the clamping arm.

※2: When installed horizontally, the limit value of the clamping arm can be raised at a pressure of 1.5 Mpa.

Tie-rod Hydraulic Cylinder

Mold Hydraulic Cylinders

Swivel & Clamp Hydraulic Cylinders

Booster Cylinders & Unclamping cylinders

ISO Specifications Cylinders

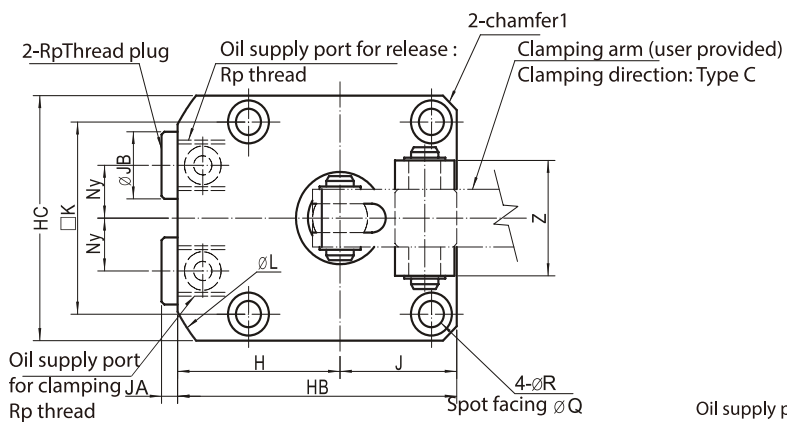
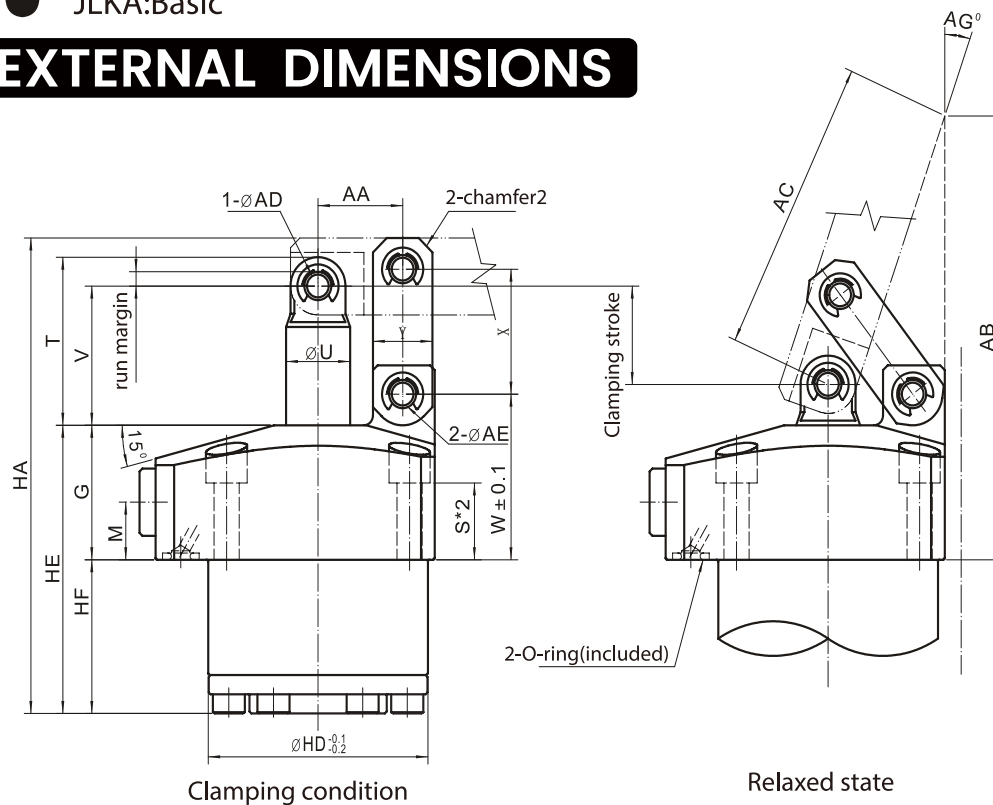
Round Hydraulic Cylinders

Specific Hydraulic Cylinders

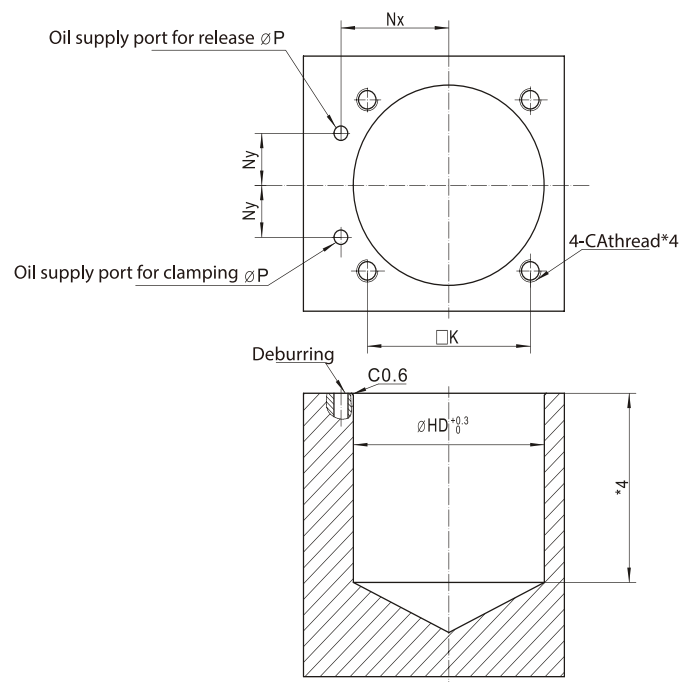
Systems & Fittings

● JLKA:Basic

EXTERNAL DIMENSIONS



INSTALLATION PROCESSING DIMENSION



EXTERNAL DIMENSIONS

Model	JLKA0360-□□	JLKA0400-□□	JLKA0480-□□	JLKA0550-□□	JLKA0650-□□	JLKA0750-□□	JLKA0900-□□	JLKA1050-□□
Total stroke	18.5	20.5	23.5	26	29.5	35	41	49
Clamping stroke	16	17.5	20.5	23	26.5	32	38	46
Stroke margin	2.5	3	3	3	3	3	3	3
A	78.6	87.6	99.1	110.6	127.6	151.1	180.1	209.1
B	49	54	61	69	81	94.5	109.5	127
C	40	45	51	60	70	85	100	120
D	36	40	48	55	65	75	90	105
E	48	54	60	65	73.5	84	101	115
F	23	29	32	37	43.5	47	61	65
G	25	25	28	28	30	37	40	50
H	29	31.5	35.5	39	46	52	59.5	67
J	20	22.5	25.5	30	35	42.5	50	60
K	31.5	34.1	40.1	47.1	55.1	63.1	75.1	88.1
L	66	72	81	88	106	116	136	152
M	11	11	12	12	13	16	16	19
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	15.5	15	16	13.5	16	17.5	17	23
T	27	30.5	35	37.5	45	55	64.5	77
U	10 f7	12 f7	14 f7	16 f7	20 f7	22 f7	28 f7	35.5 f7
V	22.5	25	29	31.5	37	45	52	62
W	30	30.5	34.5	35.5	39	48	52.5	64
X	20	22	26	30	35.5	43.5	52.5	64
Y	11	13	13	16	19	25	28	32
Z	19	21	24	28	37	40	49	64
Chamfer 1	C2	C3	C3	C3	C4	C10	C11	(φ152)
Chamfer 2	C2.5	C3	C3	C3	C5	C5	R16	R18
AA	14.5	16	18.5	21	24.5	30	36	44
AB	74.3	77.7	92.4	101.9	111.4	130.8	146.5	173.6
AC	47.3	50.2	61.2	71.7	78.7	90.8	104.6	122.5
AD	5	6	6	6	8	10	12	15
AE	5	6	6	8	10	12	15	18
AG	19.6	20.2	18.9	19.9	20.5	21.4	22.4	23.1
CA	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
Oil supply port for clamping/releasing -C	Rp1/8	Rp1/8	Rp1/8	Rp1/8	Rp1/4	Rp1/4	Rp3/8	Rp3/8
O-ring seal	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

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
Clamp
Hydraulic
Cylinders

Booster
Cylinders
&
Unclamping
cylinders

ISO
Specifications
Cylinders

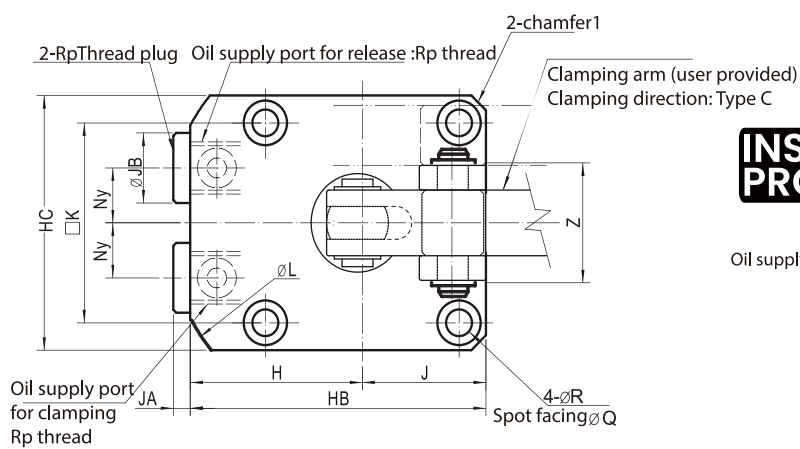
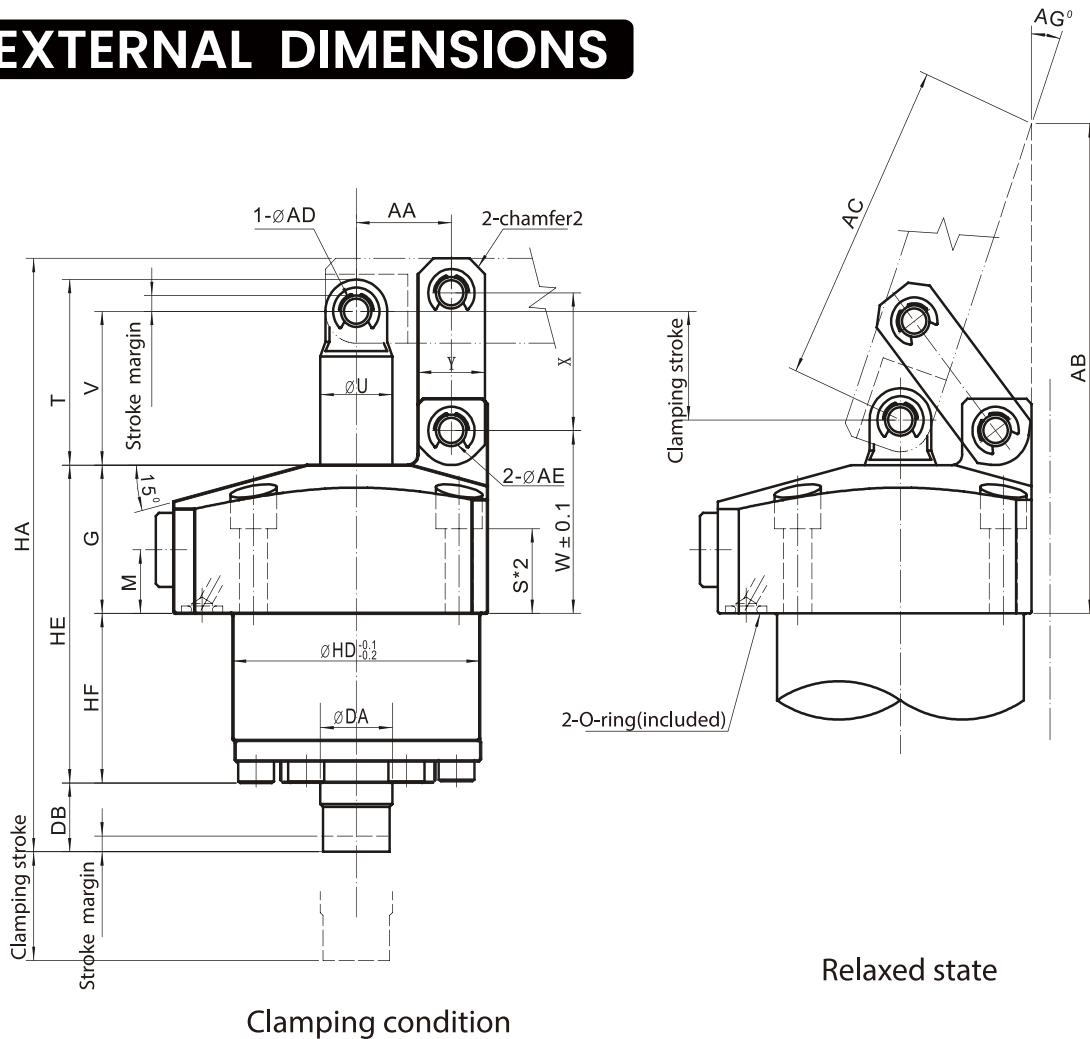
Round
Hydraulic
Cylinders

Specific
Hydraulic
Cylinders

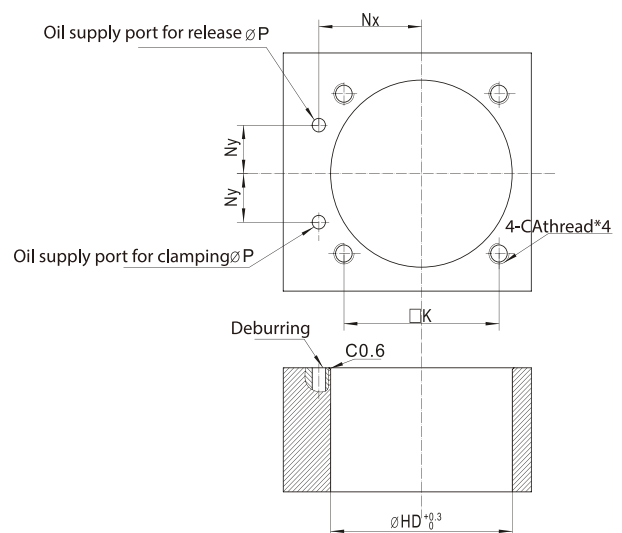
Systems
&
Fittings

● JLKA:D:Double out rod type

EXTERNAL DIMENSIONS



INSTALLATION PROCESSING DIMENSION



EXTERNAL DIMENSIONS AND INSTALLATION PARTS PROCESSING DIMENSION TABLE

Model	JLKA0360-D	JLKA0400-D	JLKA0480-D	JLKA0550-D	JLKA0650-D	JLKA0750-D	JLKA0900-D	JLKA1050-D
Total stroke	18.5	20.5	23.5	26	29.5	35	41	49
Clamping stroke	16	17.5	20.5	23	26.5	32	38	46
Stroke margin	2.5	3	3	3	3	3	3	3
HA	89.1	100.6	112.1	123.6	140.6	164.1	193.1	222.1
HB	49	54	61	69	81	94.5	109.5	127
HC	40	45	51	60	70	85	100	120
HD	36	40	48	55	65	75	90	105
HE	48	54	60	65	73.5	84	101	115
HF	23	29	32	37	43.5	47	61	65
G	25	25	28	28	30	37	40	50
H	29	31.5	35.5	39	46	52	59.5	67
J	20	22.5	25.5	30	35	42.5	50	60
K	31.5	34.1	40.1	47.1	55.1	63.1	75.1	88.1
L	66	72	81	88	106	116	136	152
M	11	11	12	12	13	16	16	19
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	15.5	15	16	13.5	16	17.5	17	23
T	27	30.5	35	37.5	45	55	64.5	77
U	10 f7	12 f7	14 f7	16 f7	20 f7	22 f7	28 f7	35.5 f7
V	22.5	25	29	31.5	37	45	52	62
W	30	30.5	34.5	35.5	39	48	52.5	64
X	20	22	26	30	35.5	43.5	52.5	64
Y	11	13	13	16	19	25	28	32
Z	19	21	24	28	37	40	49	64
Chamfer1	C2	C3	C3	C3	C4	C10	C11	(Φ152)
Chamfer2	C2.5	C3	C3	C3	C5	C5	R16	R18
AA	14.5	16	18.5	21	24.5	30	36	44
AB	74.3	77.7	92.4	101.9	111.4	130.8	146.5	173.6
AC	47.3	50.2	61.2	71.7	78.7	90.8	104.6	122.5
AD	5	6	6	6	8	10	12	15
AE	5	6	6	8	10	12	15	18
AG	19.6	20.2	18.9	19.9	20.5	21.4	22.4	23.1
CA	M4X0.7	M5X0.8	M5M.08	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
DA	8 f7	12 f7	14 f7	14 f7	14 f7	18 f7	18 f7	18 f7
DB	10.5	13	13	13	13	13	13	13
DC	6	10	12	12	12	16	16	16
DD(Name × Depth)	M4X0.7X10	M6X15	M8X18	M8X18	M8X18	M10X21	M10X21	M10X21
Oil supply port for clamping/releasing	RP	Rp1/8	Rp1/8	Rp1/8	Rp1/8	Rp1/4	Rp1/4	Rp3/8
O-ring seal	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

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
Clamp
Hydraulic
Cylinders

Booster
Cylinders
&
Unclamping
cylinders

ISO
Specifications
Cylinders

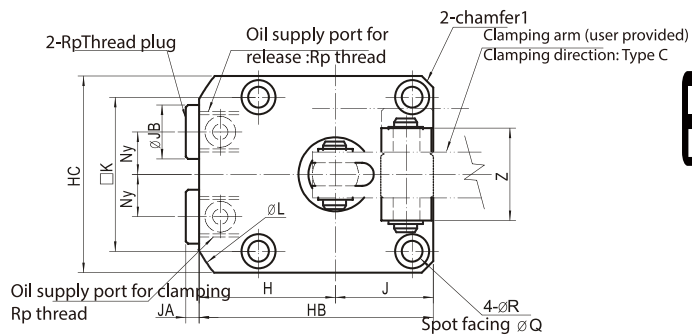
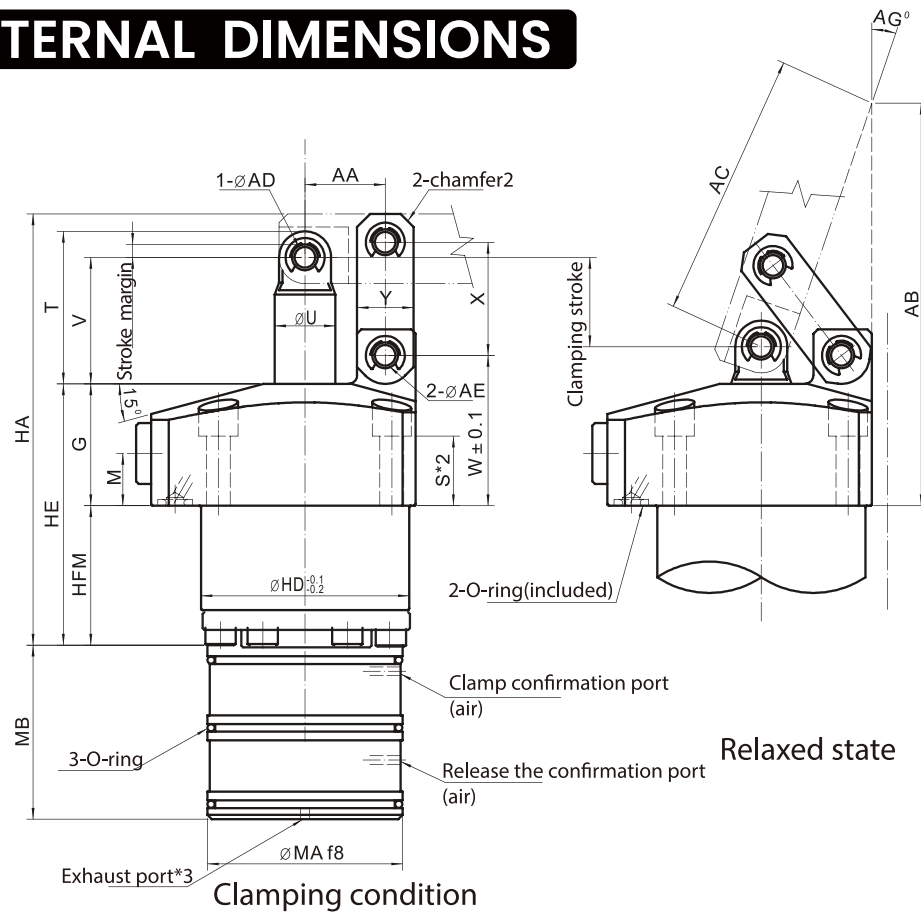
Round
Hydraulic
Cylinders

Specific
Hydraulic
Cylinders

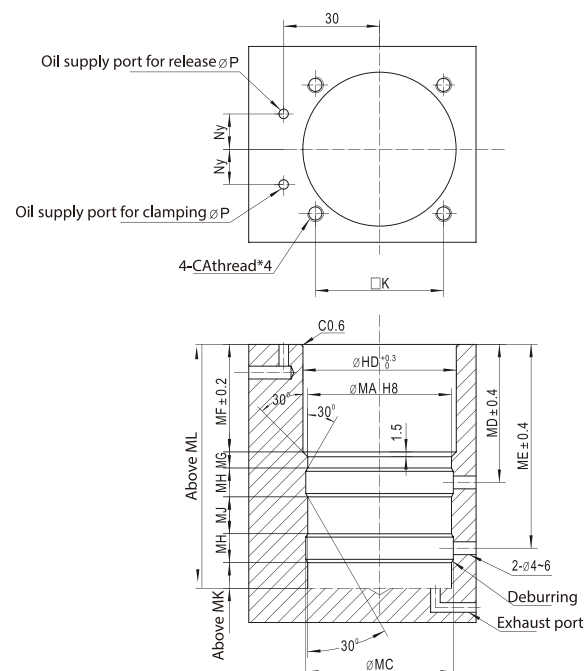
Systems
&
Fittings

- JLKA:M:Air sensor plate connector

EXTERNAL DIMENSIONS



INSTALLATION PROCESSING DIMENSION



EXTERNAL DIMENSIONS
AND INSTALLATION PARTS
PROCESSING DIMENSION TABLE

Model	JLKA0360-M	JLKA0400-M	JLKA0480-M	JLKA0550-M	JLKA0650-M	JLKA0750-M	JLKA0900-M	JLKA1050-M
Total stroke	18.5	20.5	23.5	26	29.5	35	41	49
Clamping stroke	16	17.5	20.5	23	26.5	32	38	46
Stroke margin	2.5	3	3	2	3	3	3	3
HA	78.6	88.6	100.1	114.1	134.6	153.1	186.1	223.1
HB	49	54	61	69	81	94.5	109.5	127
HC	40	45	51	60	70	85	100	120
HD	36	40	48	55	65	75	90	105
HE	48	55	61	68.5	80.5	86	107	129
HFM	23	30	33	40.5	50.5	49	67	79
G	25	25	28	28	30	37	40	50
H	29	31.5	35.5	39	46	52	59.5	67
J	20	22.5	25.5	30	35	42.5	50	60
K	31.5	34.1	40.1	47.1	55.1	63.1	75.1	88.1
L	66	72	81	88	106	116	136	152
M	11	11	12	12	13	16	16	19
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	15.5	15	16	13.5	16	17.5	17	23
T	27	30.5	35	37.5	45	55	64.5	77
U	10 f7	12 f7	14 f7	16 f7	20 f7	22 f7	28 f7	35.5 f7
V	22.5	25	29	31.5	37	45	52	62
W	30	30.5	34.5	35.5	39	48	52.5	64
X	20	22	26	30	35.5	43.5	52.5	64
Y	11	13	13	16	19	25	28	32
Z	19	21	24	28	37	40	49	64
Chamfer1	C2	C3	C3	C3	C4	C10	C11	(Ø 152)
Chamfer2	C2.5	C3	C3	C3	C5	C5	R16	R18
AA	14.5	16	18.5	21	24.5	30	36	44
AB	74.3	77.7	92.4	101.9	111.4	130.8	146.5	173.6
AC	47.3	50.2	61.2	71.7	78.7	90.8	104.6	122.5
AD	5	6	6	6	8	10	12	15
AE	5	6	6	8	10	12	15	18
AG	19.6	20.2	18.9	19.9	20.5	21.4	22.4	23.1
CA	M4X0.7	M5X0.8	M5X0.8	M6	M6	M8	M10	M12
JA	3.5 ^{+0.025} _{-0.064}	3.5 ^{+0.025} _{-0.064}	3.5 ^{+0.025} _{-0.064}	3.5 ^{+0.025} _{-0.064}	4.5 ^{+0.025} _{-0.064}	4.5 ^{+0.030} _{-0.076}	4.5 ^{+0.030} _{-0.076}	4.5 ^{+0.030} _{-0.076}
JB	14 ^{+0.039} ₀	14 ^{+0.039} ₀	14 ^{+0.039} ₀	14 ^{+0.039} ₀	19 ^{+0.039} ₀	19 ^{+0.046} ₀	22 ^{+0.046} ₀	22 ^{+0.046} ₀
MAF8	34.5	38	45	45	45	53	53	53
MAH8	34.5	38	45	45	45	53	53	53
MB	31	36	40	40	40	59.5	59.5	59.5
MC	35.7	39.2	46.2	46.2	46.2	54.2	54.2	54.2
MD	32.5	40	43	50.5	60.5	61	79	91
ME	45.5	56.5	63.5	71	81	93.5	111.5	123.5
MF	23.5	30.5	33.5	41	51	49.5	67.5	79.5
MG	4.5	5	5	5	5	5.5	5.5	5.5
MH	9	9	9	9	9	12	12	12
MJ	4	7.5	11.5	11.5	11.5	20.5	20.5	20.5
MK	6	7	7	7	7	11	11	11
ML	56	68	75	82.5	92.5	110.5	128.5	140.5
Oil supply port for clamping /releasing	-C	Rp1/8	Rp1/8	Rp1/8	Rp1/8	Rp1/4	Rp1/4	Rp3/8
O-ring seal		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
3-O-ring seal		29.87×1.78(70°)	34.65×1.78(70°)	41.00×1.78(70°)	41.00×1.78(70°)	41.00×1.78(70°)	47.35×1.78(70°)	47.35×1.78(70°)

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
Clamp
Hydraulic
Cylinders

Booster
Cylinders
&
Unclamping
cylinders

ISO
Specifications
Cylinders

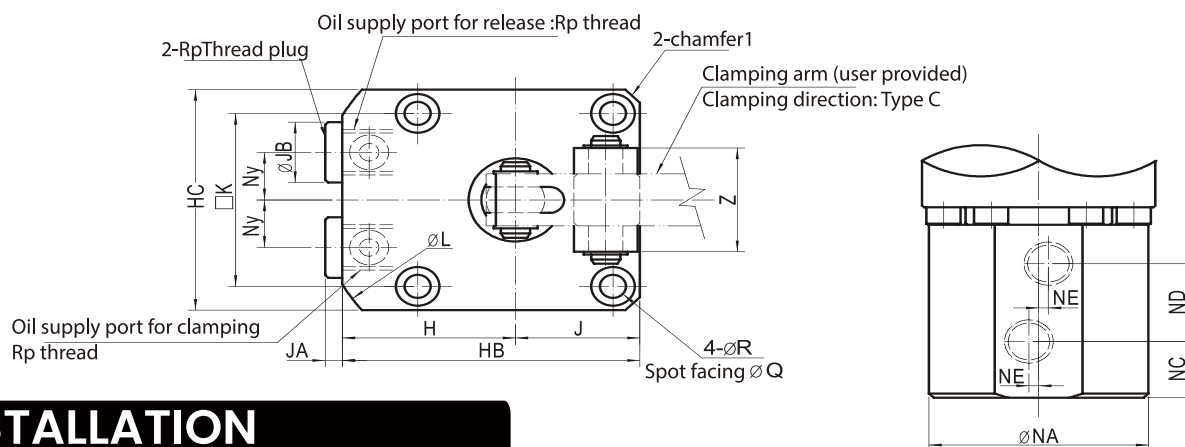
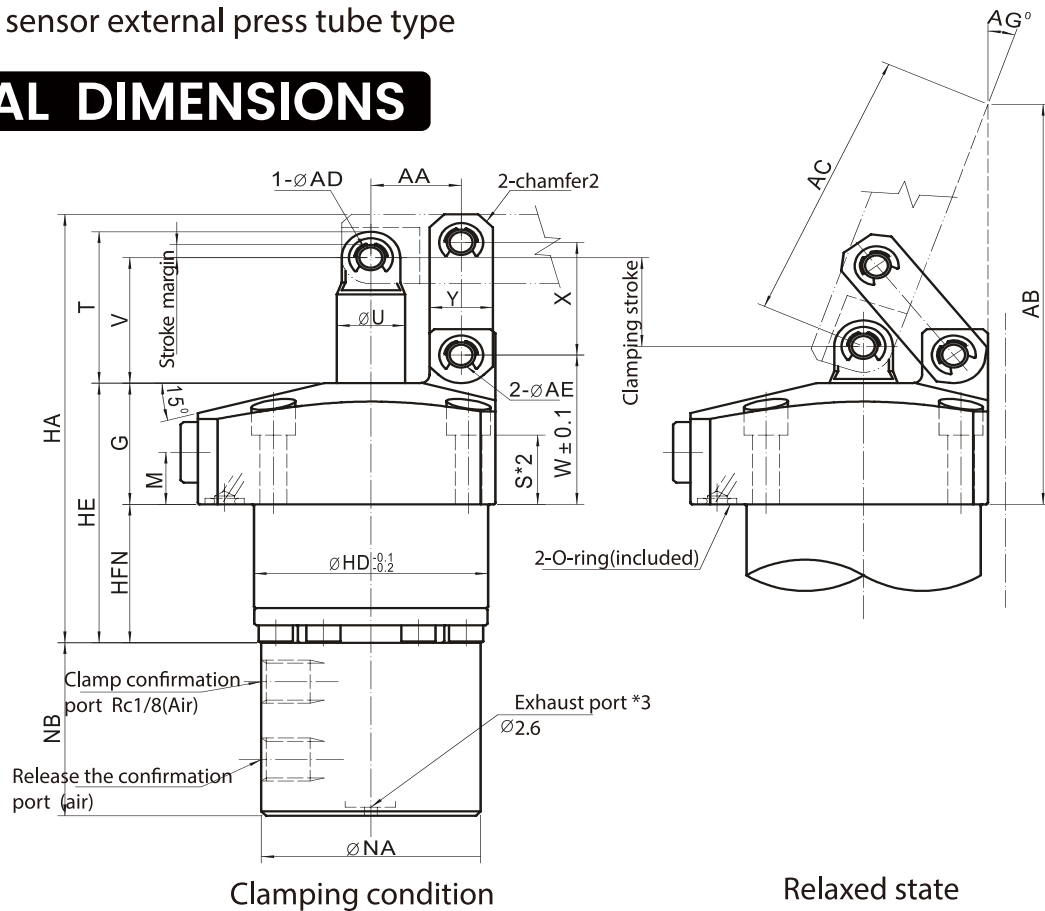
Round
Hydraulic
Cylinders

Specific
Hydraulic
Cylinders

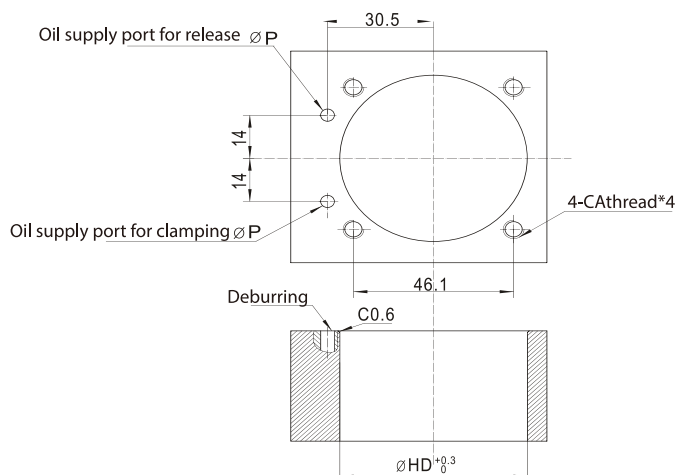
Systems
&
Fittings

● JLKA:N:Air sensor external press tube type

EXTERNAL DIMENSIONS



INSTALLATION PROCESSING DIMENSION



EXTERNAL DIMENSIONS AND INSTALLATION PARTS PROCESSING DIMENSION TABLE

Model	JLKA0360-N	JLKA0400-N	JLKA0480-N	JLKA0550-N	JLKA0650-N	JLKA0750-N	JLKA0900-N	JLKA1050-N
Total stroke	18.5	20.5	23.5	26	29.5	35	41	49
Clamping stroke	16	17.5	20.5	23	26.5	32	38	46
Stroke margin	2.5	3	3	3	3	3	3	3
HA	78.6	88.6	100.1	114.1	134.6	153.1	186.1	223.1
HB	49	54	61	69	81	94.5	109.5	127
HC	40	45	51	60	70	85	100	120
HD	36	40	48	55	65	75	90	105
HE	48	55	61	68.5	80.5	86	107	129
HF _N	23	30	33	40.5	50.5	49	67	79
G	25	25	28	28	30	37	40	50
H	29	31.5	35.5	39	46	52	59.5	67
J	20	22.5	25.5	30	35	42.5	50	60
K	31.5	34.1	40.1	47.1	55.1	63.1	75.1	88.1
L	66	72	81	88	106	116	136	152
M	11	11	12	12	13	16	16	19
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	15.5	15	16	13.5	16	17.5	17	23
T	27	30.5	35	37.5	45	55	64.5	77
U	10 f7	12 f7	14 f7	16 f7	20 f7	22 f7	28 f7	35.5 f7
V	22.5	25	29	31.5	37	45	52	62
W	30	30.5	34.5	35.5	39	48	52.5	64
X	20	22	26	30	35.5	43.5	52.5	64
Y	11	13	13	16	19	25	28	32
Z	19	21	24	28	37	40	49	64
Chamfer1	C2	C3	C3	C3	C4	C10	C11	(Φ152)
Chamfer2	C2.5	C3	C3	C3	C5	C5	R16	R18
AA	14.5	16	18.5	21	24.5	30	36	44
AB	74.3	77.7	92.4	101.9	111.4	130.8	146.5	173.6
AC	47.3	50.2	61.2	71.7	78.7	90.8	104.6	122.5
AD	5	6	6	6	8	10	12	15
AE	5	6	6	8	10	12	15	18
AG	19.6	20.2	18.9	19.9	20.5	21.4	22.4	23.1
CA	M4X0.7	M5X0.8	M5M.08	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
NA	35.5	39.5	45	45	45	53	53	53
NB	31	36	40	40	40	59.5	59.5	59.5
NC	9	8.5	12	12	12	20	20	20
ND	12.5	17.5	18	18	18	29.5	29.5	29.5
NE	-	1	2	2	2	3	3	3
NF	17	18.5	20	20	20	24	24	24
NG	25	29	29	29	29	38	38	38
NH(Name × Depth)	M3X0.5X6	M3X0.5X6	M3X0.5X6	M3X0.5X6	M3X0.5X6	M4X0.7X0.7	M4X0.7X0.7	M4X0.7X0.7
Oil supply port for clamping/releasing	-RP	-RP	-RP	-RP	-RP	-RP	-RP	-RP
O-ring seal	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

Tie-rod
Hydraulic
Cylinder

Mold
Hydraulic
Cylinders

Swivel &
Clamp
Hydraulic
Cylinders

Booster
Cylinders
&
Unclamping
cylinders

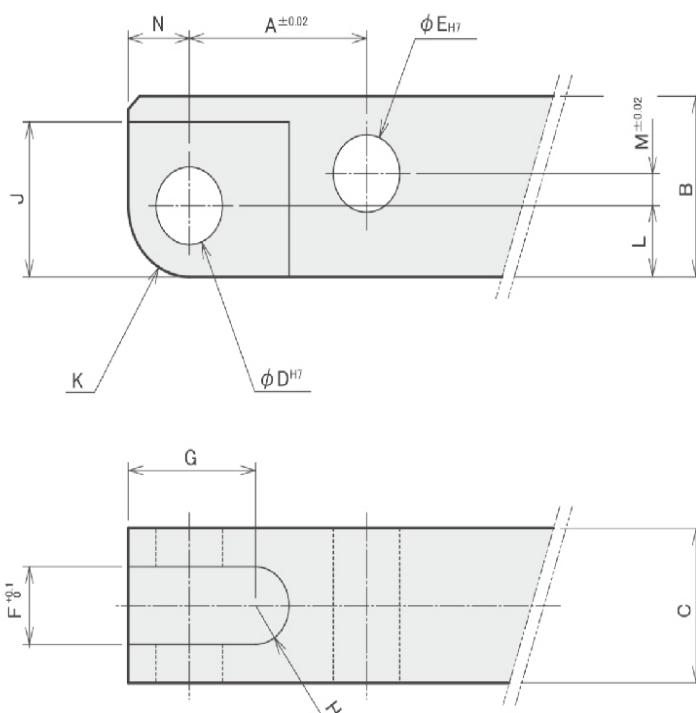
ISO
Specifications
Cylinders

Round
Hydraulic
Cylinders

Specific
Hydraulic
Cylinders

Systems
&
Fittings

CLAMPING ARM DESIGN DIMENSIONS



CLAMPING ARM DESIGN DIMENSIONS

Corresponding machine model	JLKA0360	JLKA0400	JLKA0480	JLKA0550	JLKA0650	JLKA0750	JLKA0900	JLKA1050
A	14.5	16	18.5	21	24.5	30	36	44
B	12.5	14	16	20	25	32	38	45
C	10 ⁰ _{-0.2}	12 ⁰ _{-0.3}	12 ⁰ _{-0.3}	16 ⁰ _{-0.3}	19 ⁰ _{-0.3}	22 ⁰ _{-0.3}	25 ⁰ _{-0.3}	32 ⁰ _{-0.4}
D	5 ^{+0.012} ₀	6 ^{+0.012} ₀	6 ^{+0.012} ₀	6 ^{+0.012} ₀	8 ^{+0.015} ₀	10 ^{+0.015} ₀	12 ^{+0.018} ₀	15 ^{+0.018} ₀
E	5 ^{+0.012} ₀	6 ^{+0.012} ₀	6 ^{+0.012} ₀	8 ^{+0.015} ₀	10 ^{+0.015} ₀	12 ^{+0.018} ₀	15 ^{+0.018} ₀	18 ^{+0.018} ₀
F	5	6	6	8	10	11	13	16
G	10	11.5	13	12.5	16	20	24	28
H	R2.5	R3	R3	R4	R5	R5.5	R6.5	R8
J	10	12	13	13	17.5	22	26	30.5
K	R4.5	R5.5	R6	R6	R8	R10	R11	R13
L	4.5	5.5	6	6	8	10	11	13
M	2.5	2.5	3.5	6	7.5	9.5	13	16
N	4.5	5.5	6	6	8	10	11	13

Note:

1. When designing and processing, please refer to the capacity diagram to determine the length of the pressure plate.
2. Do not exceed the size range specified in the table above when designing and processing the clamping plate, otherwise the clamping force will not meet the specification value and may cause deformation, cylinder bite, abnormal operation.
3. Please use the accompanying pin for mounting the pressure plate.