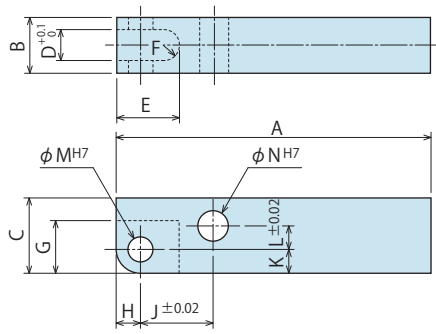


Accessories : Material Link Lever



Model No. Indication

LZK 048 0 - L

Size (Refer to the table.) Design No. (Revision Number)

(mm)

Model No.	LZK0360-L	LZK0400-L	LZK0480-L	LZK0550-L	LZK0650-L	LZK0750-L	LZK0900-L	LZK1050-L
Corresponding Model No.	LKA0360	LKA0400	LKA0480	LKA0550	LKA0650	LKA0750	LKA0900	LKA1050
A	65	75	85	90	105	110	160	220
B	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}
C	12.5	14	16	20	25	32	38	45
D	5	6	6	8	10	11	13	16
E	12.5	14.5	16	16.5	21	25.5	30.5	36
F	R2.5	R3	R3	R4	R5	R5.5	R6.5	R8
G	10	12	13	13	17.5	22	26	30.5
H	4.5	5.5	6	6	8	10	11	13
J	14.5	16	18.5	21	24.5	30	36	44
K	4.5	5.5	6	6	8	10	11	13
L	2.5	2.5	3.5	6	7.5	9.5	13	16
M	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
N	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

Notes :

- Material S45C Surface Finishing : Alkaline Blackening
- If necessary, the front end should be additionally machined and finished.
- For [6] Option **Blank/H/K**, use the attached pin (equivalent to $\phi ADf6$, $\phi AEf6$, HRC60) as the lever mounting pin.
- For [6] Option **A**, the lever mounting pin is not included in the clamp.
Please order Tightening Kit for Quick Change Lever Option A (LZK□-W).
- When using Tightening Kit for Quick Change Lever Option A (LZK□-W), a tapped hole should be additionally machined.
Refer to the link lever design dimensions (P Thread part) for additional machining.

Accessories : Tightening Kit for Quick Change Lever Option A

Model No. Indication

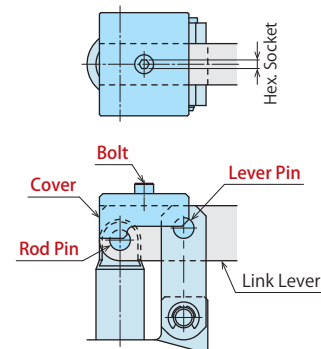
LZK 040 0 - W

Size (Refer to the table.) Design No. (Revision Number)

Tightening Kit for mounting Quick Change Lever Option A.
Sold separately from clamp body.

【Contents of Tightening Kit】

- Cover (with Bolt)
- Rod Pin
- Lever Pin



Model No.	LZK0360-W	LZK0400-W	LZK0480-W	LZK0550-W	LZK0650-W	LZK0750-W	LZK0900-W	LZK1050-W
Corresponding Model No.	LKA0360-□-A	LKA0400-□-A	LKA0480-□-A	LKA0550-□-A	LKA0650-□-A	LKA0750-□-A	LKA0900-□-A	LKA1050-□-A
Nominal×Pitch of Bolt	M3×0.5	M3×0.5	M3×0.5	M3×0.5	M4×0.7	M4×0.7	M5×0.8	M5×0.8
Hex. Socket mm	2.5	2.5	2.5	2.5	3	3	4	4
Tightening Torque N·m	1.3	1.3	1.3	1.3	3.2	3.2	6.3	6.3

High-Power Series

Pneumatic Series

Hydraulic Series

Valve / Coupler Hydraulic Unit

Manual Operation Accessories

Cautions / Others

Hole Clamp

SFA
SFC

Swing Clamp

LHA
LHC
LHS
LHW
LG/LT
TLA-2
TLB-2
TLA-1

Link Clamp

LKA
LKC
LKW
LJ/LM
TMA-2
TMA-1

Work Support

LD
LC
TNC
TC

Air Sensing Lift Cylinder

LLW

Linear Cylinder / Compact Cylinder

LL
LLR
LLU
DP
DR
DS
DT

Block Cylinder

DBA/DBC

Centering Vise

FVA
FVD
FVC

Control Valve

BZL
BZT
BZX/JZG
BZS

Pallet Clamp

VS/VT

Expansion Locating Pin

VFL/VFM
VFJ/VFK

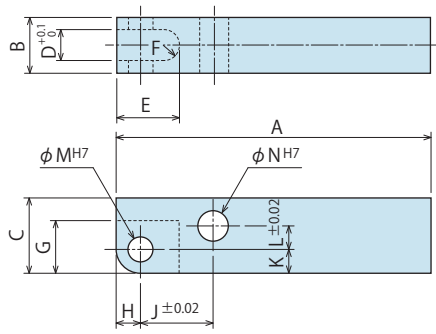
Pull Stud Clamp

FP
FQ

Customized Spring Cylinder

DWA/DWB

Accessory : Material Link Lever



Model No. Indication

LZK 048 0 - L

Size (Refer to the table.) Design No. (Revision Number)

Model No.	LZK0400-L	LZK0480-L	LZK0550-L	LZK0650-L
Corresponding Model No.	LKC0400	LKC0480	LKC0550	LKC0650
A	75	85	90	105
B	12 ⁰ _{-0.3}	12 ⁰ _{-0.3}	16 ⁰ _{-0.3}	19 ⁰ _{-0.3}
C	14	16	20	25
D	6	6	8	10
E	14.5	16	16.5	21
F	R3	R3	R4	R5
G	12	13	13	17.5
H	5.5	6	6	8
J	16	18.5	21	24.5
K	5.5	6	6	8
L	2.5	3.5	6	7.5
M	6 ^{+0.012} ₀	6 ^{+0.012} ₀	6 ^{+0.012} ₀	8 ^{+0.015} ₀
N	6 ^{+0.012} ₀	6 ^{+0.012} ₀	8 ^{+0.015} ₀	10 ^{+0.015} ₀

Notes :

- Material S45C Surface Finishing : Alkaline Blackening
- If necessary, the front end should be additionally machined and finished.
- For **5** Option **Blank/H/K**, use the attached pin (equivalent to $\phi ADf6$, $\phi AEf6$, HRC60) as the lever mounting pin.
- For **5** Option **A**, the lever mounting pin is not included in the clamp.
Please order Tightening Kit for Quick Change Lever Option A (LZK□-W).
- When using Tightening Kit for Quick Change Lever Option A (LZK□-W), a tapped hole should be additionally machined.
Refer to the link lever design dimensions (P Thread part) for additional machining.

Accessories : Tightening Kit for Quick Change Lever Option A

Model No. Indication

LZK 040 0 - W

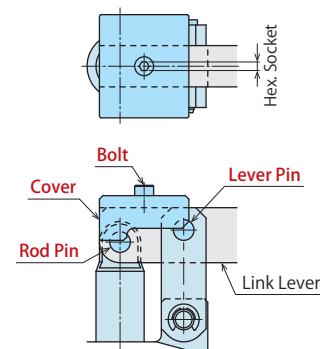
Size (Refer to the table.) Design No. (Revision Number)

Tightening Kit for mounting Quick Change Lever Option A.
Sold separately from clamp body.

【Contents of Tightening Kit】

- Cover (with Bolt)
- Rod Pin
- Lever Pin

Model No.	LZK0400-W	LZK0480-W	LZK0550-W	LZK0650-W
Corresponding Model No.	LKC0400-□-A	LKC0480-□-A	LKC0550-□-A	LKC0650-□-A
Nominal×Pitch of Bolt	M3×0.5	M3×0.5	M3×0.5	M4×0.7
Hex. Socket mm	2.5	2.5	2.5	3
Tightening Torque N·m	1.3	1.3	1.3	3.2



High-Power Series

Pneumatic Series

Hydraulic Series

Valve / Coupler Hydraulic Unit

Manual Operation Accessories

Cautions / Others

Hole Clamp

SFA
SFC

Swing Clamp

LHA
LHC
LHS
LHW
LG/LT
TLA-2
TLB-2
TLA-1

Link Clamp

LKA
LKC
LKW
LJ/LM
TMA-2
TMA-1

Work Support

LD
LC
TNC
TC

Air Sensing Lift Cylinder

LLW

Linear Cylinder / Compact Cylinder

LL
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DP
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DS
DT

Block Cylinder

DBA/DBC

Centering Vise

FVA
FVD
FVC

Control Valve

BZL
BZT
BZX/JZG
BZS

Pallet Clamp

VS/VT

Expansion Locating Pin

VFL/VFM
VFJ/VFK

Pull Stud Clamp

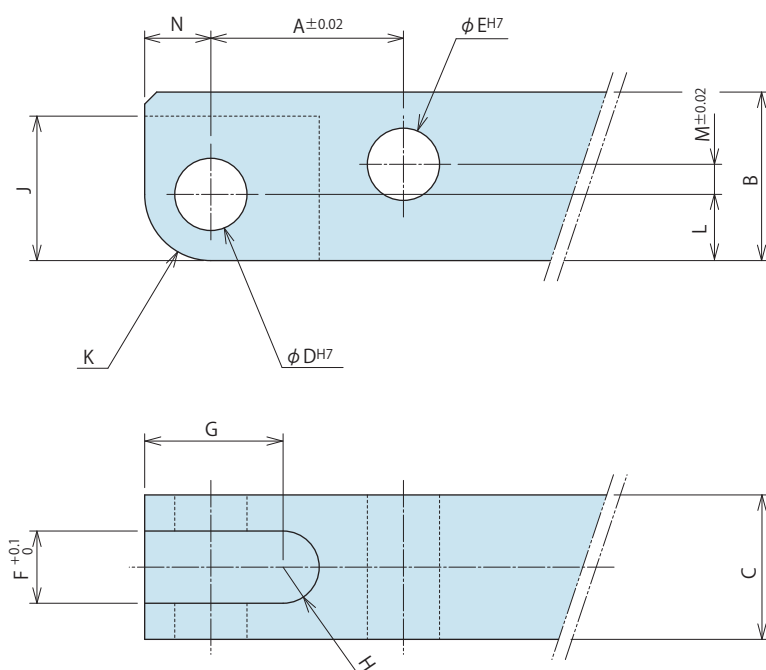
FP
FQ

Customized Spring Cylinder

DWA/DWB

Link Lever Design Dimensions

※ Reference for designing link lever.



Calculation List of Link Lever Design Dimension

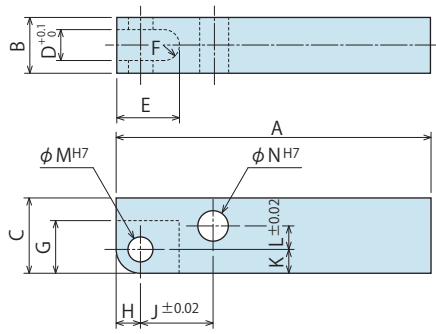
(mm)

Corresponding Model No.	LKE0300	LKE0360	LKE0400	LKE0480	LKE0550
A	12.5	14.5	16	18.5	21
B	11	12.5	15.5	18	21.5
C	$9 \begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$	$10 \begin{smallmatrix} 0 \\ -0.2 \end{smallmatrix}$	$12 \begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$	$12 \begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$	$16 \begin{smallmatrix} 0 \\ -0.3 \end{smallmatrix}$
D	$4 \begin{smallmatrix} +0.012 \\ 0 \end{smallmatrix}$	$5 \begin{smallmatrix} +0.012 \\ 0 \end{smallmatrix}$	$6 \begin{smallmatrix} +0.012 \\ 0 \end{smallmatrix}$	$6 \begin{smallmatrix} +0.012 \\ 0 \end{smallmatrix}$	$7 \begin{smallmatrix} +0.015 \\ 0 \end{smallmatrix}$
E	$4 \begin{smallmatrix} +0.012 \\ 0 \end{smallmatrix}$	$5 \begin{smallmatrix} +0.012 \\ 0 \end{smallmatrix}$	$6 \begin{smallmatrix} +0.012 \\ 0 \end{smallmatrix}$	$7 \begin{smallmatrix} +0.015 \\ 0 \end{smallmatrix}$	$8 \begin{smallmatrix} +0.015 \\ 0 \end{smallmatrix}$
F	4.5	5	6	6	8
G	8.5	10	11.5	13	13
H	R2.25	R2.5	R3	R3	R4
J	8.5	10	12	13	13.5
K	R4	R4.5	R5.5	R6	R6
L	4	4.5	5.5	6	6
M	2.5	2.5	2.5	3.5	6
N	4	4.5	5.5	6	6

Notes :

- Please design the link lever length according to the performance curve.
- If the link lever is not in accordance with the dimension shown above, performance may be degraded and damage can occur.
- Please use the attached pin (equivalent to ϕAD f6, ϕAE f6, HRC60) as the mounting pin for lever.
(Please refer to each external dimension of LKE for the dimensions ϕAD and ϕAE .)

Accessory : Material Link Lever



Model No. Indication

LZK 048 0 - L

Size (Refer to the table.) Design No. (Revision Number)

Model No.	LZK0400-L	LZK0480-L	LZK0550-L	LZK0650-L	LZK0750-L
Corresponding Model No.	LKW0401	LKW0481	LKW0551	LKW0651	LKW0751
A	75	85	90	105	110
B	12 ⁰ _{-0.2}	12 ⁰ _{-0.3}	16 ⁰ _{-0.3}	19 ⁰ _{-0.3}	22 ⁰ _{-0.3}
C	14	16	20	25	32
D	6	6	8	10	11
E	14.5	16	16.5	21	25.5
F	R3	R3	R4	R5	R5.5
G	12	13	13	17.5	22
H	5.5	6	6	8	10
J	16	18.5	21	24.5	30
K	5.5	6	6	8	10
L	2.5	3.5	6	7.5	9.5
M	6 ^{+0.012} ₀	6 ^{+0.012} ₀	6 ^{+0.012} ₀	8 ^{+0.015} ₀	10 ^{+0.015} ₀
N	6 ^{+0.012} ₀	6 ^{+0.012} ₀	8 ^{+0.015} ₀	10 ^{+0.015} ₀	12 ^{+0.018} ₀

Notes :

- Material S45C Surface Finishing : Alkaline Blackening
- If necessary, the front end should be additionally machined and finished.
- For [6] Option **Blank/H/K**, use the attached pin (equivalent to φADf6, φAEf6, HRC60) as the lever mounting pin.
- For [6] Option **A**, the lever mounting pin is not included in the clamp.
Please order Tightening Kit for Quick Change Lever Option A (LZK□-W).
- When using Tightening Kit for Quick Change Lever Option A (LZK□-W), a tapped hole should be additionally machined.
Refer to the link lever design dimensions (P Thread part) for additional machining.

Accessories : Tightening Kit for Quick Change Lever Option A

Model No. Indication

LZK 040 0 - W

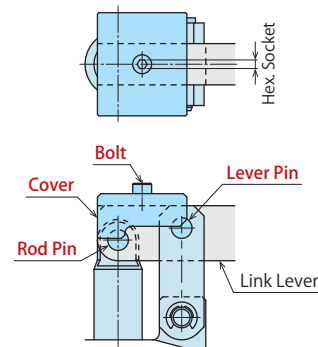
Size (Refer to the table.) Design No. (Revision Number)

Tightening Kit for mounting Quick Change Lever Option A.

Sold separately from clamp body.

【Contents of Tightening Kit】

- Cover (with Bolt)
- Rod Pin
- Lever Pin



Model No.	LZK0400-W	LZK0480-W	LZK0550-W	LZK0650-W	LZK0750-W
Corresponding Model No.	LKW0401-□-A	LKW0481-□-A	LKW0551-□-A	LKW0651-□-A	LKW0751-□-A
Nominal×Pitch of Bolt	M3×0.5	M3×0.5	M3×0.5	M4×0.7	M4×0.7
Hex. Socket mm	2.5	2.5	2.5	3	3
Tightening Torque N·m	1.3	1.3	1.3	3.2	3.2

High-Power Series
Pneumatic Series
Hydraulic Series
Valve / Coupler Hydraulic Unit
Manual Operation Accessories
Cautions / Others

Hole Clamp

SFA
SFC

Swing Clamp

LHA
LHC
LHS
LHW
LG/LT
TLA-2
TLB-2
TLA-1

Link Clamp

LKA
LKC

LKW

LJ/LM
TMA-2
TMA-1

Work Support

LD
LC
TNC
TC

Air Sensing Lift Cylinder

LLW

Linear Cylinder / Compact Cylinder

LL
LLR
LLU
DP
DR
DS
DT

Block Cylinder

DBA/DBC

Centering Vise

FVA
FVD
FVC

Control Valve

BZL
BZT
BZX/JZG
BZS

Pallet Clamp

VS/VT

Expansion Locating Pin

VFL/VFM
VFJ/VFK

Pull Stud Clamp

FP
FQ

Customized Spring Cylinder

DWA/DWB