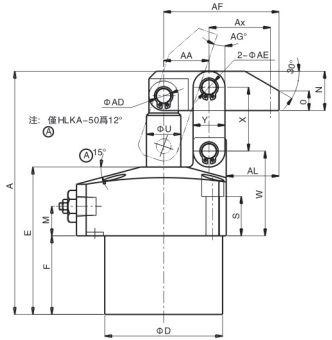
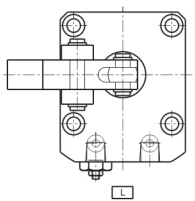
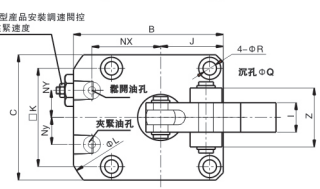
Model HLKA 高動力/扎實型杠杆式油壓缸

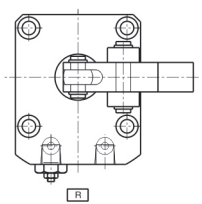


壓臂安裝方向
Lever Direction



僅C型產品安裝調速開控制夾緊速度





外形尺寸表 Dimension tabl

MODEL / ITEM	HLKA-22	HLKA-25	HLKA-32	HLKA-40	HLKA-50	HLKA-63	HLKA-70	HLKA-80
A	78.5	87.5	99	110.5	127.5	151	180	209
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
I	10	12	12	16	19	22	25	32
J	20	22.5	25.5	30	35	42.5	50	60
K	31.4	34	40	47	55	63	75	88
L	66	72	81	88	106	116	136	152
M	11	11	12	12	13	16	16	19
N	12.5	14	16	20	25	32	38	45
o	6	8	8	12	17	24	30	37
Nx	23.5	26	30	33.5	39.5	45	52.5	60
Ny	8	9	11	12	15	16	18.5	22.5
Q	7.5	9	9	11	11	14	17.5	20

MODEL / ITEM	HLKA-22	HLKA-25	HLKA-32	HLKA-40	HLKA-50	HLKA-63	HLKA-70	HLKA-80
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
U	10	12	14	16	20	22	28	35.5
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
AA	14.5	16	18.5	21	24.5	30	36	44
AD	5	6	6	6	8	10	12	15
AE	5	6	6	8	10	12	15	18
AF	37	40	47	55	61.5	72.5	82.5	100
AG	19.6	20.2	18.9	19.3	20	21.4	22.4	23.1
AL	17	17.5	21.5	25	26.5	30	32.5	40
AX	19	20.5	23.5	29	32	37.5	41.5	51
配管式油口 (JIS B2351)	2-PT1/8	2-PT1/8	2-PT1/8	2-PT1/8	2-PT1/4	2-PT1/4	2-PT3/8	2-PT3/8
油孔位置精度 (JIS B2351)	P5	P5	P5	P5	P7	P7	P7	P7

Model BLU 方形連杆式夾緊器

產品特性

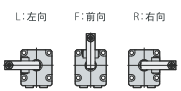
此系列產品配件采用最佳化設計，與傳統產品比較夾緊能力提高了。
產品支撐點部位與缸體采用一體化結構，使體積更加緊凑，提高產品强度。
產品采用了專用防塵設計，提高了防塵和密封性，實現了高密封性。
產品采用方塊性設計，不需墊塊安裝方便。
最大操作壓力：7Mpa　　最小操作壓力：1Mpa
注意事項：夾緊及放鬆作動速度需適當放緩

Introduction

FEATURES
This series product with the optimal design so the clamping capacity is better than trditional product.
Product with the integrated structure on suport site and cylinder body,so made moreimpact,
and strength can be improved.
Product with sepcial dustproof design ,dustroof and sealing have been impeioved ,
so it hashigh sealing performance.
Product with the box-type design ,do not need to block the installation,is convenient.
Max.Presswre:7 Mpa　　Min.Presswre:1Mpa
Note: clamping and loosening of the moving speed should be appropriate to slow down

型號表示

BLU 02 / 04 / 06 / 10 / 16 / 25 — L：左向 / F：前向 / R：右向

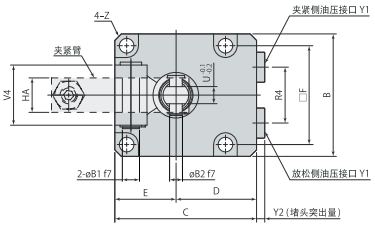


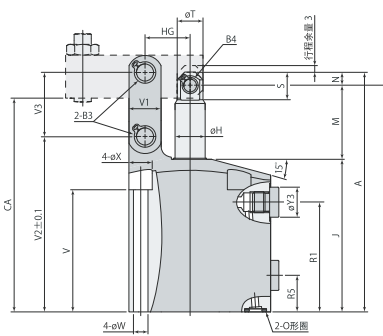
夾紧臂安装方向

型　号			BLU02	BLU04	BLU06	BLU10	BLU16	BLU25
油缸能力 (油压为7MPa时)		kN	3.4	5.0	6.7	10.6	17.2	26.9
油缸内径		mm	25	30	35	44	56	70
主杆径		mm	12	14	14	16	22.4	28
油缸面积 (夹紧)		cm^2	4.9	7.1	9.6	15.2	24.6	38.5
全行程		mm	20.5	23.5	26	29.5	36	45
夹紧行程		mm	17.5	20.5	23	26.5	33	42
行程余量		mm	3	3	3	3	3	3
最大流量		L/min	1.0	1.6	2.6	4.7	9.5	18.9
油缸容量	夹紧	cm^3	10.0	16.7	25.0	44.8	88.6	173.3
	放松	cm^3	7.7	13.0	21.0	38.9	74.5	145.5
质　量		kg	1.0	1.4	1.9	3.2	5.3	9.7
安装螺栓推荐紧固扭矩 (强度分类12.9)		N·m	7	7	12	29	57	77

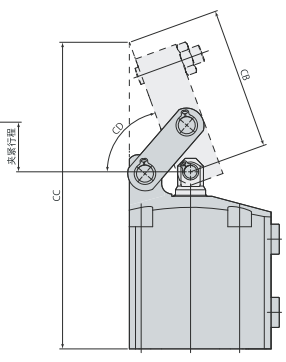
● 油压范围：1～7 MPa　● 保证耐压：10.5 MPa　● 使用环境温度：0～70 ℃　● 使用流体：普通矿物油基液压油 (相当于ISO-VG32)
● 氯系切削液喷洒的环境下也可以使用。

外形尺寸

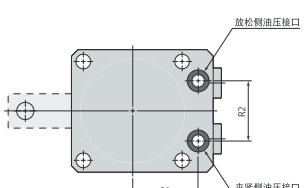




夹紧



放松



● 本图为BLU□-F型的外形。BLU□-L型和BLU□-R型除夹紧臂的安装方向不同外，其余尺寸均与BLU□-F型相同。

L:左向　F:前向　R:右向

● 不附带夹紧臂和安装螺栓。

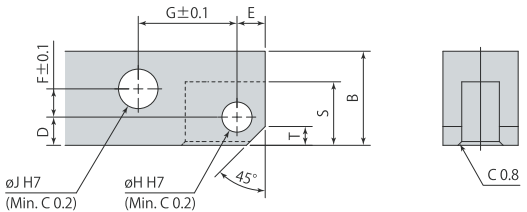
參數表

單位 (Unit) :mm

型　号	BLU02-□	BLU04-□	BLU06-□	BLU10-□	BLU16-□	BLU25-□
A	93.5	104	111.5	131	155	186.5
B	45	50	57	70	86	108
C	55	60	66	82	96	120
D	32.5	35	37.5	47	53	66
E	22.5	25	28.5	35	43	54
F	35	40	46	56	68	88
øH	12	14	14	16	22.4	28
J	61	66	71	83	96.5	112
M	27.5	32	34.5	40	47.5	61.5
N	5	6	6	8	11	13
R1	42	48	51	56.5	64.5	80.5
R2	22	24	28	36	45	50
R3	25	28	30.5	36	42	57
R4	20	22	26	30	38	50
R5	16	17	17	22	23	28
S	11.5	13	13	17	21.8	27.5
øT	10	12	12	14	20	26
U (对边宽)	6	6	8	10	11	16
V	49	54	57	66	73.5	83
V1	11	13	15	19	25	32
V2	67.5	75.5	81.5	95	109.5	130
V3	24	26	30	35.5	44	53
V4	21	21	28	37	46	56
øW	5.5	5.5	6.8	9	11	14
øX	9.5	9.5	11	14	17.5	20
Y1	G1/8	G1/8	G1/8	G1/4	G1/4	G3/8
Y2	3.8	3.8	3.8	4.8	4.8	4.8
øY3	14	14	14	19	19	22
Z	C3	C3	C3	C4	C6	C6.5
øB1	6 $^{-0.010}_{-0.022}$	6 $^{-0.010}_{-0.022}$	8 $^{-0.013}_{-0.028}$	10 $^{-0.013}_{-0.028}$	14 $^{-0.016}_{-0.034}$	16 $^{-0.016}_{-0.034}$
øB2	6 $^{-0.010}_{-0.022}$	6 $^{-0.010}_{-0.022}$	6 $^{-0.010}_{-0.022}$	8 $^{-0.013}_{-0.028}$	12 $^{-0.016}_{-0.034}$	14 $^{-0.016}_{-0.034}$
B3 (卡环)	STW-6	STW-6	STW-8	STW-10	STW-14	STW-16
B4 (卡环)	STW-6	STW-6	STW-6	STW-8	STW-12	STW-14
CA	83	92	99.5	115	135	161
CB	48	59.6	67.3	78.7	98.2	133.5
CC	113.7	132	143.8	167.4	199.7	254.2
CD	約69°	約71°	約70°	約70°	約69°	約72°
HA	12	12	16	19	22	32
HG	16.5	18.5	21	24.5	30.5	37.5
O形圈 (氟橡胶 硬度Hs90)	P7	P7	P7	P8	P8	P10

● 氯系切削液喷洒的环境下也可以使用。

夾緊臂加工圖



注：不附帶夾緊臂，請用户自備。

單位(Unit) :mm

型號	BLU02	BLU04	BLU06	BLU10	BLU16	BLU25
A	12	12	16	19	22	32
B	14	16	20	25	31	38
D	5.5	6	6	8	9	12.5
E	5.5	6	6	7	10	13
F	3	3.5	6	7.5	9.5	9.5
G	16.5	18.5	21	24.5	30.5	37.5
øH	$6^{+0.012}_{0}$	$6^{+0.012}_{0}$	$6^{+0.012}_{0}$	$8^{+0.015}_{0}$	$12^{+0.018}_{0}$	$14^{+0.018}_{0}$
øJ	$6^{+0.012}_{0}$	$6^{+0.012}_{0}$	$8^{+0.015}_{0}$	$10^{+0.015}_{0}$	$14^{+0.018}_{0}$	$16^{+0.018}_{0}$
N	6	6	8	10	11	16
P	14	17	17	20	26.5	36
R	R3	R3	R4	R5	R5.5	R8
S	12	13.5	13.5	17.5	22	28
T	3	4	4	5	7	8

飛躍性地提高了耐久性、實現了高速夾緊

哥特式凸輪槽
Gothic arch cam groove

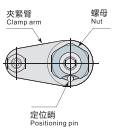
采用與鋼球大面積接觸的哥特式凸輪槽，有效降低了接觸面壓力，可連續、高頻率地高速旋轉，耐久性出色。

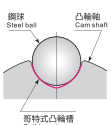
Superior durability, high frequency,and high-speed swinging operation is achieved thanks to lowered and controlled seating surface pressure.This is made possible by adopting gothic arch cam grooves that use steel balls with larger surface area.

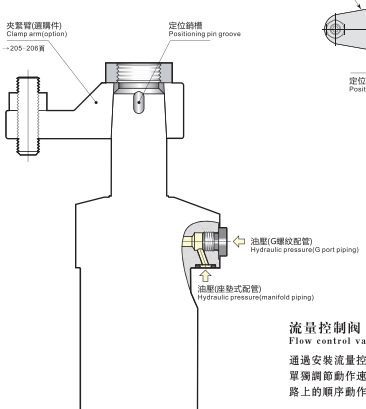
夾緊臂的定位及更換
Positioning and replacement of clamping arms

所有型號均采用定位銷槽。夾緊臂的定位（角度）簡單易行。

Positioning pin groove adopted with all models .Positioning (angle) of clamp arm can be performed easily.



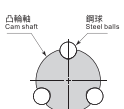




3點式鋼球支撐
3-point ball support

采用3點式鋼球支撐機構，實現了平穩的高速旋轉。

Smooth, stable and high-speed swinging operation has been achieved by 3-point ball support mechanism.



流量控制阀
Flow control valve

通過安裝流量控制閥（選購件），可單獨調節動作速度，輕鬆控制同一回路上的順序動作和同步動作。→223-224頁

Operating speeds can be adjusted individually by mounting a flow control valve (option), making sequential operation on same circuit or control of synchronization operation easier. →223-224page

凸輪軸直徑大，確保了凸輪槽之間有充分的距離，因此剛性很高。由于凸輪部的耐久性和耐衝擊性得到提高，因此無需過載保護機構即可進行穩定而準確的高速旋轉。

Large diameter cam shafand wide distance between the cam grooves offers higher rigidity. Aoverload protection mechanism is not needed due to improvement of durability and impact resistance, providing stable and secure highspeed swing operation.

凸輪槽詳圖
Cam groove view