

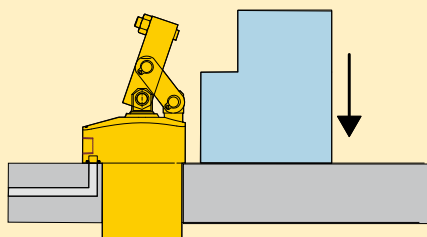
Link clamps *Application & selection*

Shown: LUCS-32

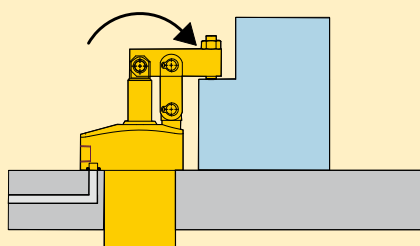


▶ Link clamp allows unobstructed part loading and high clamping forces. The hydraulic cylinders extend to provide clamping force, and retract to allow part removal.

Arm completely retracts to allow part loading.



As cylinder extends, arm pivots to clamp part in place.

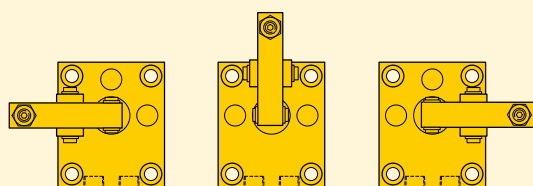


Arm location is changed easily without the use of tools.

Left

Center

Right



Quick and accurate clamping action

- Hydraulic cylinder pushes linkage, pivoting clamp arm into position
- Design ensures repeatable clamping location
- Linkage can be re-positioned to clamp at 90, 180, or 270 degrees from ports
- Clamps can be mounted using supplied bolts or held in place with flange nut
- Standard arm or long arm ordered separately.

Product selection

Clamping force ¹⁾	Stroke	Model number	Cylinder effective area	Oil capacity	Standard clamp arm (Sold separately)	Long clamp arm (Sold separately)
kN	mm		cm ²	cm ³		
▼ Single acting						
2,9	18,5	LUCS-32	1,23	2,27	LCAS-32	LCAL-32
7,8	23,4	LUCS-82	3,10	7,28	LCAS-82	LCAL-82
11,8	29,7	LUCS-122	4,13	12,59	LCAS-122	LCAL-122
18,7	34,5	LUCS-192	6,39	22,67	LCAS-192	LCAL-192
27,2	44,7	LUCS-282*	9,61	45,18	LCAS-282	LCAL-282
▼ Double acting						
3	18,5	LUCD-32	1,23	2,27	LCAS-32	LCAL-32
8	23,5	LUCD-82	3,10	7,28	LCAS-82	LCAL-82
12	29,7	LUCD-122	4,13	12,59	LCAS-122	LCAL-122
19	34,5	LUCD-192	6,39	22,67	LCAS-192	LCAL-192
28	44,7	LUCD-282*	9,61	45,18	LCAS-282	LCAL-282

Contact Enerpac for models with imperial threads and SAE ports.

* This product is made to order. Please contact Enerpac for delivery information before specifying in your design.

Dimensions in mm []

Model number	Port Size	C1	C2	C3	D	D1	D2	E
▼ Single acting								
LUCS-32	1/8" BSPP	27,9	36,6	55,1	M48 x 1,5	62,0	55,9	27,9°
LUCS-82	1/8" BSPP	30,0	41,4	65,0	M65 x 1,5	82,0	70,1	31,1°
LUCS-122	1/4" BSPP	37,1	49,5	79,2	M80 x 2	102,1	87,9	28,5°
LUCS-192	1/4" BSPP	39,9	58,4	93,0	M90 x 2	119,1	102,1	28,3°
LUCS-282*	1/4" BSPP	50,0	66,0	110,7	M105 x 2	134,9	119,9	24,8°
▼ Double acting								
LUCD-32	1/8" BSPP	27,9	36,6	55,1	M48 x 1,5	62,0	55,9	27,9°
LUCD-82	1/8" BSPP	30,0	41,4	65,0	M65 x 1,5	82,0	70,1	31,1°
LUCD-122	1/4" BSPP	37,1	49,5	79,2	M80 x 2	102,1	87,9	28,5°
LUCD-192	1/4" BSPP	39,9	58,4	93,0	M90 x 2	119,1	102,1	28,3°
LUCD-282*	1/4" BSPP	50,0	66,0	110,7	M105 x 2	134,9	119,9	24,8°

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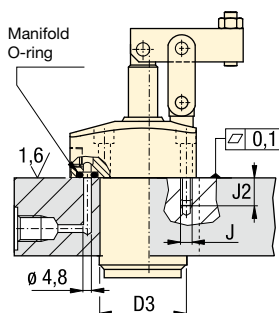
Installation dimensions in mm

Clamp ¹⁾ force kN	Fixture hole Ø D3	Mounting thread J	Min. depth J2	Manifold O-ring ²⁾ ARP No. or Inside Ø x thickness
3	48,3	M6 x 1,0	16,5	-010
8	65,3	M8 x 1,0	19,0	-010
12	80,3	M8 x 1,0	19,0	-010
19	90,5	M10 x 1,25	22,5	-010
28	105,5	M12 x 1,25	24,0	-010

¹⁾ With standard clamp arm.

²⁾ Polyurethane, 92 Durometer

Note: Mounting bolts and O-rings included.



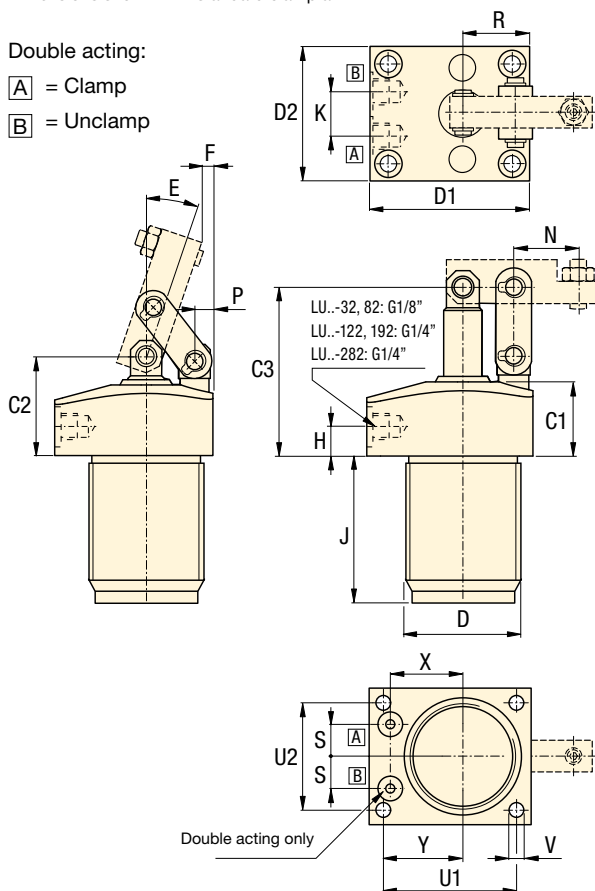
all models

Dimensions shown with standard clamp arm.

Double acting:

A = Clamp

B = Unclamp



F	H	J	K	N	P	R	S	U1	U2	V Ø	X	Y	 kg
Single acting ▼													
1,0	10,9	47,0	–	23,6	8,4	27,9	10,4	52,1	46,0	6,6	28,7	29,0	1,2
5,1	10,9	63,0	–	31,8	8,9	35,1	14,0	68,1	55,9	8,1	38,5	39,9	2,5
0,8	11,9	71,1	–	37,6	11,9	43,9	16,1	87,9	73,9	8,1	44,2	51,1	4,5
0,8	15,0	87,9	–	41,4	15,0	51,1	18,1	101,1	82,0	10,4	49,8	58,9	6,9
2,0	20,1	99,1	–	51,1	16,0	59,9	20,9	115,1	100,1	13,0	57,3	65,0	11,7
Double acting ▼													
1,0	10,9	47,0	20,1	23,6	8,4	27,9	21,6	52,1	46,0	6,6	20,5	29,0	1,2
5,1	10,9	63,0	23,9	31,8	8,9	35,1	25,4	68,1	55,9	8,1	30,3	39,9	2,5
0,8	11,9	71,1	30,0	37,6	11,9	43,9	26,4	87,9	73,9	8,1	37,7	51,1	5,0
0,8	15,0	87,9	–	41,4	15,0	51,1	28,2	101,1	82,0	10,4	48,9	58,9	6,9
2,0	20,1	99,1	38,1	51,1	16,0	59,9	30,0	115,1	100,1	13,0	52,0	65,0	11,7

Clamp force: 2,9 - 28 kN

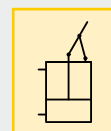
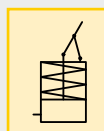
Stroke: 18,5 - 44,7 mm

Pressure: 35 - 350 bar

E Cilindros Amarre de enlace

F Bride basculante

D Gelenkspanner



Options

Clamp arms

57 ▶



Work supports

43 ▶



Important

Single-acting cylinders use a regenerative circuit; oil is sent to both sides of the piston at the same time. This eliminates the breather port, reducing damage from coolant and contamination.

Clamp arm should be parallel to cylinder mounting surface within 3° to avoid damage to cylinder and linkage. Use the included set screw to adjust clamp arm alignment.