

Clamp Levers with Push Button / with Pad / with SR Tip

Plastic Clamp Levers / Miniature Plastic Clamp Levers

■ Features: Serrations can be disengaged easily by pushing the screw head.

■ Clamp Levers with Push Button

RoHS10

Type	Lever	Screw	Spring
Threaded	M Material	M Material	M Material
CLDMP	Zinc Die Casting	S45C	SUS304-WPB
CLDFP	Electrostatic Paint	SUS303	
CLMSP		SUS303	
SCLMSP	SCS13 (Stainless Cast Steel)	Buff Polished	SUS303

Threaded
CLDMP
CLMSP
SCLMSP
(Stainless Steel)

Tapped
CLDFP

■ How to Use

The projection at the head of the screw makes it easy to disengage the serrations.

M	R	H	H ₁	(h)	S	D	d	Number of Serrated Teeth	B	Max. Load F _{max.} (N)		Max. Tightening Force P _{max.} (kN)		Reference Mass (g)	
										SUS303	S45C	SUS303	S45C	Threaded	Tapped
4	45	33	35.5	30	4	13	10	16	1.3	48	80	1.8	3.0	40	
5										65	108	2.9	4.8	40	
6										110	184	4.1	6.8	41	
8	63	44	49	40	5.5	17.5	14	20	1.3	189	316	7.5	12.5	70	

Part Number	Type	M	L Selection	Lever Color	Unit Price	Part Number	Type	M	L	Lever Color	Unit Price
Threaded	SCLMSP	4	16 20 25	B (Black)		Tapped	CLDFP	4	7	B (Black)	
	CLMSP	5	12 16 20 25 32	M (Orange)				5		M (Orange)	
	CLMSP	6	12 16 20 25 32	S (Silver Gray)				6		S (Silver Gray)	
	CLMSP	*8	16 20 25 32 40					8			

* M8 is not available for SCLMSP.

■ Clamp Levers with Pad, Clamp Levers with SR Tip

RoHS10

Type	Shape	Screw	Pad	Spring	Lever
Clamp Levers with SR Tip	Clamp Levers with Pad	M Material	S Surface Treatment	Clamp Levers with Pad only	M Material
CLRM	CLWBP	SUM23	Black Chromate	Polyacetal (White)	SUS304-WPB
CLRS	CLWP	SUS303	-	Free-Cutting Brass (C3604)	Zinc Die Casting
	CLWBC	SUM24L	Black Chromate	-	-
	CLWC	SUS303	-	-	-

Chrome over satin nickel is a non-gloss finish.

Clamp Levers with Pad
CLWBP
CLWP
CLWBC
CLWC

Clamp Levers with SR Tip
CLRM
CLRS

■ How to Use

M	R	H	H ₁	(h)	S	D	d	d ₁	SR	ℓ	Number of Serrated Teeth	B	* Max. Load F _{max.} (N)		* Max. Tightening Force P _{max.} (kN)		Reference Mass (g)	
													SUS303	S45C	SUS303	S45C	Threaded	Tapped
5	45	35	38.5	25.8	4	13	10	3	5	1	16	3	74	3.3	34			
6													126	4.7	40			
8	63.5	45	48.5	32.3	7	17.5	14	6	8	2	20	4	217	8.6	70			
10	78.5	54	58	37.6	8	21	16	8	10		24		347	13.6	152			

* Max. Load / Max. Tightening Force indicates axial force for screws (M). Pads may break if tightened with the max. clamping strength.
 * The Clamp Lever with SR Tip has less contact area with workpiece; therefore misalignment can be avoided when tightening the screws.

Part Number	Type	M	L Selection	Lever Color	Unit Price				
					CLWBP	CLWBC	CLWP	CLWC	CLRM
With Pad	SR Tip	5	12 16 20 25 32	B (Black)					
CLWBP (Polyacetal)	CLRM	6	12 16 20 25 32	M (Orange)					
CLWP (Polyacetal)	CLRS	8	16 20 25 32 40	S (Silver Grey)					
CLWBC (Free-Cutting Brass)		10	20 25 32 40	C (Chrome Plating)					
CLWC (Free-Cutting Brass)				SC (Satin Nickel Chrome Plating)					

Ordering Example

Part Number	L	Lever Color
CLDMP5	12	B
CLDFP4	7	M
CLWP8	20	M
CLRM10	20	S

■ Load Direction

■ How to Use

- Pull up the lever to disengage the serrations, and the clamp is unlocked.
- Turn the unlocked lever to desired position.
- When the lever is released, the return spring automatically engages serrations and locks again.

■ Plastic Clamp Levers

RoHS10

Type	Lever	Screw	Spring
	M Material	M Material	M Material
CLNP	Nylon 6 (Mat Black)	SUM22L	Black Oxide
CLSP		SUS303	-

Threaded
CLNP
CLSP

Hex Socket B is created during a production of Levers. It is not a socket used during an installation of Levers.

■ How to Use

Part Number	Type	M	L Selection	R	H	H ₁	(h)	S	D	d	Number of Serrated Teeth	B	Max. Load F _{max.} (N)	Max. Tightening Force P _{max.} (kN)	Reference Mass (g)	Unit Price	
																CLNP	CLSP
CLNP	CLSP	4	12 16 20 25	48	34	36	25.5	3	13	10	16	3	21	1.7	18		
		5	12 16 20 25 32										42	2.7			
		6	12 16 20 25 32 40										70	3.8		20	
		8	16 20 25 32 40 50										120	7		40	
		10	20 25 32 40 50										82	54		56	35
12	25 32 40 50	92	64	66	42	6.5	25	19	28	5	290	16	120				

■ Plastic Clamp Levers

RoHS10

Type	Lever	Screw	Spring
Threaded	M Material	M Material	M Material
LNP	Nylon 6 (Mat Black)	SUM22L	Black Oxide
LNF		-	-

Threaded
LNP

Tapped
LNF

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■ How to Use

Part Number	Type	M	L Selection	R	H	H ₁	(h)	S	D	d	Number of Serrated Teeth	B	Max. Load F _{max.} (N)	Max. Tightening Force P _{max.} (kN)	Reference Mass (g)	Unit Price												
																LNP	LNF											
Threaded LNP	Tapped LNF	4	12 16 20 25	8	45	35.5	39	24.5	4.2	13	10	18	3	21	1.7	18	16											
		5	12 16 20 25 32											42	2.7													
		6	12 16 20 25 32 40											70	3.8		20	14										
		8	16 20 25 32 40 50											10	63		46.3	50.3	31	6.5	17.5	13.5	24	4	120	7	40	30
		10	20 25 32 40 50											14	78		55.4	59.4	36	8	21	16	26	4	200	11	80	50
12	25 32 40 50	17	92	66	70	43	11	25	19	28	5	290	16	120	70													

■ Miniature Plastic Clamp Levers

RoHS10

Type	Lever	Screw	Spring
	M Material	M Material	M Material
CLNPC	Nylon 6 (Mat Black)	SUM22L	Black Oxide

Threaded
CLNPC

Hex socket is created during a production of Levers. It is not a socket used during an installation of Levers.

■ How to Use

Part Number	Type	M	L Selection	Number of Serrated Teeth	Max. Load F _{max.} (N)	Max. Tightening Force P _{max.} (kN)	Reference Mass (g)	Unit Price	
								CLNPC	
Threaded CLNPC		4	12 16 20 25	16	21	1.7	18		
		5	12 16 20 25 32		42	2.7			
		6	12 16 20 25 32 40		70	3.8		20	

Ordering Example

Part Number	L
CLNP4	12
LNP8	20
LNF10	14
CLNPC4	12