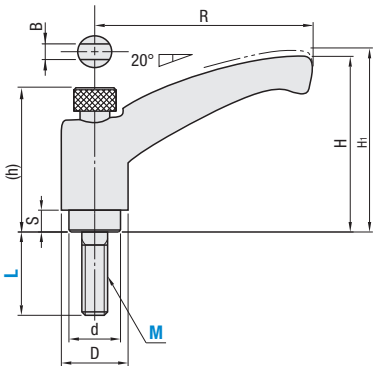


Resin Clamp Levers with Push Button / Secured Resin Clamp Levers



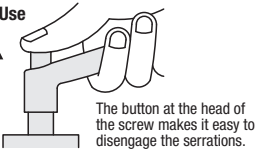
Type	Lever	Screw		Spring
	Material	Material	Surface Treatment	Material
CLNPP	Nylon 6 (Mat Black)	12L13 Carbon Steel	Black Oxide	304
CLSPP		303 Stainless Steel	—	Stainless Steel

Threaded  
CLNPP  
CLSPP



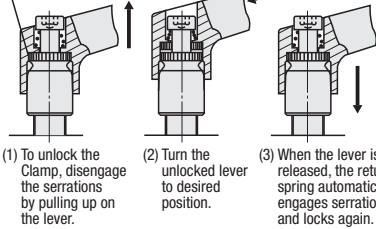
Application  
Example

How to Use



How to Use

Serration

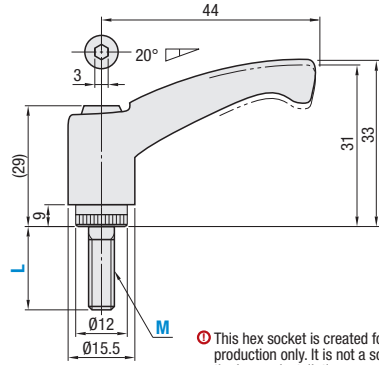


Part Number		L		R	H	H <sub>1</sub>	(h)	S	D	d	No. of Serrated Teeth	B	Max. Load Fmax. (N)	Max. Tightening Force Pmax. (kN)	Reference Mass (g)
Type	M														
Threaded CLNPP CLSPP	4	20		48	33.5	35.5	30	3	13	10	16	1.3	21	1.7	18
	5	12	16										42	2.7	
	6	12	16										70	3.8	
	8	16	20	25	32	40	50	65	44.5	46.5	40.5	3.5	18	7	40
	10	20	25	32	40	50	82	54	56	47	6.5	21	16	11	80
	12	25	40	92	64	66	56	6.5	25	19	28	1.3	290	16	120



Type	Lever	Screw		Spring
	Material	Material	Surface Treatment	Material
CLNPA	Nylon 6 (Mat Black)	12L13 Carbon Steel	Black Oxide	304
				Stainless Steel

Threaded  
CLNPA



⚠ This hex socket is created for the Levers production only. It is not a socket used for the Levers installation.

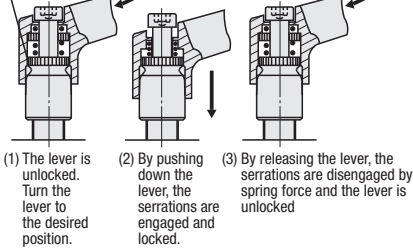


Application  
Example

Levers are in a free state at the home position and;  
(1) It does not harm operators.  
(2) Levers do not loosen even when turned accidentally.

How to Use

Serration



Part Number		L		No. of Serrated Teeth		Max. Load Fmax. (N)	Max. Tightening Force Pmax. (kN)	Reference Mass (g)
Type	M							
Threaded CLNPA	4	12	20	16		21	1.7	18
	5	12	16			42	2.7	
	6	12	16			70	3.8	



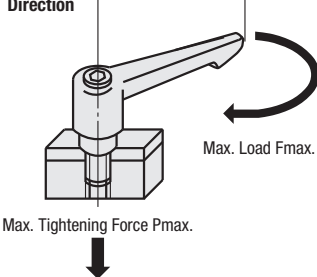
Part Number  
Example

Part Number - L  
CLNPP4 - 20  
CLNPA4 - 12



Application  
Example

Load Direction

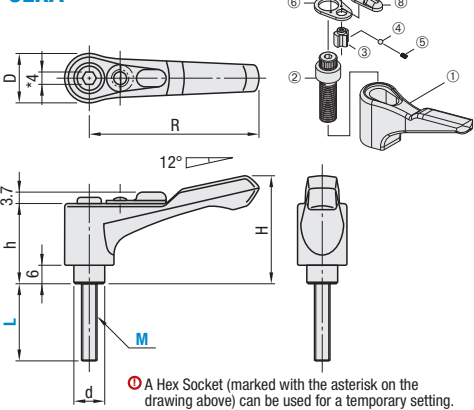


There's more on the web: [misumiusa.com](http://misumiusa.com)

Ratchet Clamping Levers / Quick Levers



CLRA



	Material	Surface Treatment
① Lever	Zinc Die Casting	Electrostatic Coating
② Geared Screw	1045 Carbon Steel or Equivalent	Black Oxide
③ Cam	4137 Alloy Steel	Black Oxide
④ Ball	52100 Bearing Steel	Nickel Plating
⑤ Spring	SWPA	Tempered / Rustproof Coated
⑥ Cap	Low Carbon Steel	Black Oxide
⑦ Screw	1010 Carbon Steel	Black Oxide
⑧ Switch Handle	Low Carbon Steel	Black Oxide
⑨ Screw	1010 Carbon Steel	Black Oxide

Part Number		L		Lever Color	R	H	h	D	d	Fmax. Max. Load (N)	Pmax. Max. Tightening Force (kN)	Reference Mass (g)
Type	M											
CLRA	5	16	25	B Black	55	35	26	17	10	108	4.8	61
	6	20	32							184	6.8	63
	8	25	40		68	45	33	18	14	316	12.5	101
	10	32	50							507	19.8	112



Part Number  
Example

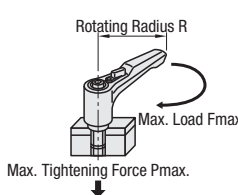
Part Number - L - Lever Color  
CLRA 5 - 25 - B



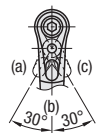
Application  
Example

In Use	Ratchet Operation
(a) Clamp	Clamps the screw by a right rotation of Levers (rotates free in left direction)
(b) Clamped Status	Lever is free in both directions.
(c) Unclamp	Loosen the screw by left rotation of Levers (rotates free in right direction)

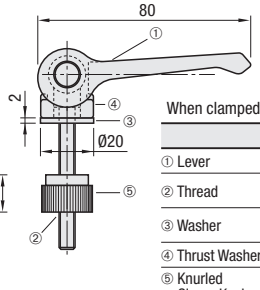
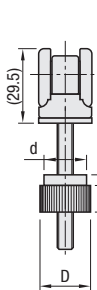
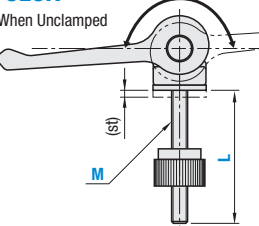
Load Direction



- Direction of ratchet mechanism can be easily changed by switching the position of tab.  
- By setting the switching tab to the (b) position after clamping, lever is released in both rotational directions and accidental loosening can be prevented.



CLCK



	Material	Surface Treatment
① Lever	Zinc Die Casting	Electrostatic Coating
② Thread	1018 Carbon Steel or Equivalent	Electroless Nickel Plating
③ Washer	1045 Carbon Steel or Equivalent	Electroless Nickel Plating
④ Thrust Washer	Polyamide (Black)	—
⑤ Knurled Clamp Knob	1045 Carbon Steel or Equivalent	Electroless Nickel Plating

Part Number		L		Lever Color	(st)	D	d	T	S	Reference Mass (g)	Tightening Force (N)	Lever Load (N)
Type	M											
CLCK	5	30	40	B Black	2.6	16	14	12	4	122	1000	18
	6	40	50		2.6	19	16	14	4	136	2000	36
	8	50	60		2.6	24	20	17	5	170	3000	78



Part Number  
Example

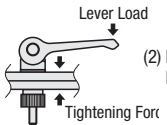
Part Number - L - Lever Color  
CLCK 6 - 40 - B



Application  
Example

Quick Levers

(1) Decide on the direction to which the lever is pushed down and adjust torque with the clamp knob.



(2) Push down the lever to clamp.

Tightening Force / Lever Load

