

# Miniature Clamp Levers / Flat Clamp Levers

**Miniature Clamp Levers**

RoHS 10

Type	Lever		Screw		Spring Material	
	Material	Surface Treatment	Material	Surface Treatment		
Threaded CLDMC CLMSC CLCMC	Tapped CLDFC CLFSC CLCFC	Zinc Die Casting	Baked Paint Finish	1045 Carbon Steel or Equivalent 303 Stainless Steel	Black Oxide —	304 Stainless Steel

⊕ Chrome over Satin Nickel Plating is a non-gloss finish

Threaded  
CLDMC  
CLMSC  
CLCMC

Tapped  
CLDFC  
CLFSC  
CLCFC

⊕ Hex Socket B is created for the Levers production only. It is not a socket used for the Levers installation.

M	R	H	H <sub>1</sub>	(h)	S	D	d	Number of Serrated Teeth	B	Max. Load F <sub>max</sub> (N)		Max. Tightening Force P <sub>max</sub>		Reference Mass (g)	
										303 Stainless Steel	1045 Carbon Steel or Equivalent	303 Stainless Steel	1045 Carbon Steel or Equivalent	Threaded	Tapped
4										48	80	1.8	3.0	25	23
5	30	29	32.5	25.8	4	13	10	16	3	65	108	2.9	4.8	26	24
6										110	184	4.1	6.8	32	30
8	42	40	43.5	32.3	7	17.5	14	20	4	189	316	7.5	12.5	60	—

Part Number	Type	M	L Dimension	Lever Color		Part Number	Type	M	L	Lever Color	
				CLDMC / CLMSC	CLCMC					CLDFC / CLFSC	CLCFC
Threaded CLDMC CLMSC CLCMC	4	*8	12 16 20 25	B Black	C Chrome Plating	Tapped CLDFC CLFSC CLCFC	4	7		B Black	C Chrome Plating
	5	*8	12 16 20 25 32	M Orange	SC Chrome Plating		5			M Orange	SC Chrome Plating
	6	*8	12 16 20 25 32	S Silver Gray	SC Satin Nickel Chrome Plating		6			S Silver Gray	SC Satin Nickel Chrome Plating
	*8	16 20 25 32	*R Red	SC Satin Nickel Chrome Plating						R Red	SC Satin Nickel Chrome Plating
				*Y Yellow						Y Yellow	

⊕ Red and yellow are not available for M8 and L8 size levers. ⊕ \*M8 is not applicable for CLCMC.

**Flat Clamp Levers**

RoHS 10

Type	Lever		Screw		Spring Material
	Material	Surface Treatment	Material	Surface Treatment	
Threaded CLDMT CLMST	Zinc Die Casting	Electrostatic Coating	1045 Carbon Steel or Equivalent 303 Stainless Steel	Black Oxide —	304 Stainless Steel

⊕ 16 teeth (serrations).

Threaded  
CLDMT  
CLMST

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

Part Number	Type	M	L	Lever Color	Max. Load F <sub>max</sub> (N)		Max. Tightening Force P <sub>max</sub>		Reference Mass (g)
					303 Stainless Steel	1045 Carbon Steel or Equivalent	303 Stainless Steel	1045 Carbon Steel or Equivalent	
CLDMT CLMST	4	12	16 20 25	B Black	48	80	1.8	3	33
	5	12	16 20 25 32	M Orange	65	108	2.9	4.8	34
	6	12	16 20 25 32	S Silver Gray	110	184	4.1	6.8	40

**Part Number Example**

Part Number	L	Lever Color
CLDMC4	12	M
CLDMT4	16	M

**Application Example**

**How to Use**

# Y-Shaped Clamp Levers / Wing-Shaped Clamp Levers / Clamp Levers with Washers

**Y-Shaped Clamp Levers**

RoHS 10

Type	Lever		Screw		Spring Material
	Material	Surface Treatment	Material	Surface Treatment	
Threaded CLDMY CLMSY	Zinc Die Casting	Baked Paint Finish	1045 Carbon Steel or Equivalent 303 Stainless Steel	Black Oxide —	304 Stainless Steel

⊕ 16 teeth (serrations).

Threaded  
CLDMY  
CLMSY

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

⊕ Dimensions in ( ) are not available to CLDMY.

**Wing-Shaped Clamp Levers**

RoHS 10

Type	Lever		Screw		Spring Material
	Material	Surface Treatment	Material	Surface Treatment	
Threaded CLDMCH CLMSCH	Zinc Die Casting	Electrostatic Coating	1045 Carbon Steel or Equivalent 303 Stainless Steel	Black Oxide —	304 Stainless Steel

⊕ 16 teeth (serrations).

Threaded  
CLDMCH  
CLMSCH

Tapped  
CLDFCH

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

Part Number	Type	M	L (Threads)	L <sub>1</sub> (Tapped)	Lever Color	Max. Load F <sub>max</sub> (N)		Max. Tightening Force P <sub>max</sub> (kN)		Reference Mass (g)	
						303 Stainless Steel	1045 Carbon Steel or Equivalent	303 Stainless Steel	1045 Carbon Steel or Equivalent	Threaded	Tapped
Threaded CLDMCH CLMSCH Tapped CLDFCH	4	12	16 20 25	7	B Black	48	80	1.8	3	32	29
	5	12	16 20 25 32		M Orange	65	108	2.9	4.8	33	29
	6	12	16 20 25 32		S Silver Gray	110	184	4.1	6.8	34	29

**Clamp Levers with Washers**

RoHS 10

Type	Lever		Screw		Spring Material	Flat Washer	
	Material	Surface Treatment	Material	Surface Treatment		Material	Surface Treatment
CLDMST	Zinc Die Casting	Baked Paint Finish	12L14 Carbon Steel	Black Chromate	304 Stainless Steel	1045 Carbon Steel or Equivalent	Electroless Nickel Plating

CLDMST

⊕ Hex Socket B is created for the Levers production only. It is not a socket used for the Levers installation.

Part Number	Type	M	L	Lever Color	R	H	H <sub>1</sub>	(h)	S	D	d	D <sub>1</sub>	t	Number of Serrated Teeth	B	Max. Load F <sub>max</sub> (N)	Max. Tightening Force P <sub>max</sub> (kN)	Reference Mass (g)
8	16	20 25 32 40	63.5	47	50.5	32.3	7	17.5	14	22	2	20	4	171	6.8	90		
10	20	25 32 40 50	78.5	56.5	60.5	37.6	8	21	16	28	2.5	24	4	221	10.8	182		
12	25	32 40 50	93	70.5	74.5	45.6	14	24	19	35	3	28	4	277	16.1	227		

**Part Number Example**

Part Number	L	Lever Color
CLDMY4	16	S
CLDMCH4	12	M
CLDFCH6	7	B
CLDMST6	25	B