

Tips for Clamps

Components for Toggle Clamps

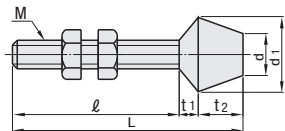
Two-Pronged Clamp Arms, Clamp Arm Extension Kits, Clamp Brackets

■ **Features:** Bolts for Toggle Clamps. In addition to the standard type, we offer a variety of types of bolts that are highly capable of resisting abrasion, or buffering impacts from a workpiece.

■ Tips (Standard)



Type	Tip		Bolt	
	M	H	M	S
MC4-15	NBR	Shore A70	Steel	Trivalent Chromate
MCS5-69	NBR	Shore A70	Stainless Steel	-



Part Number	M-ℓ (Thread Effective Length)	L (O.A.L)	t1	t2	d	d1	Unit Price
MC4-15	4-15	25	2	8	8	12	
MC4-32	4-32	42					
MC5-27	5-27	38	4	7	11.3	13.5	
MC5-69	5-69	80					
MC6-37	6-37	51					
MC6-62	6-62	76	2	12	10	16	
MC6-87	6-87	101					
MC8-45	8-44.5	63					
MC8-75	8-74.5	93	3.5	15	12.5	19	
MC8-105	8-104.5	123					
MC10-59	10-59	85	6	20	16	24	
MC12-66	12-66	100	9	25	22	32	

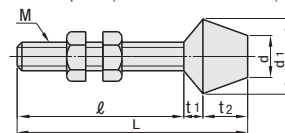
Part Number	M-ℓ (Thread Effective Length)	L (O.A.L)	t1	t2	d	d1	Unit Price
MCS4-15	4-15	25					
MCS4-32	4-32	42	2	8	8	12	
MCS6-37	6-37	51		12	10	16	
MCS8-45	8-44.5	63	3.5	15	12.5	19	

■ Tips (Standard)



Type	Tip		Bolt	
	M	H	M	S
TGUB	Urethane*	Shore A90	Steel	Trivalent Chromate

* Excellent in abrasion resistance compared to NBR.
* Gate marks from casting remain in urethane portion. (No adverse effect on actual use)

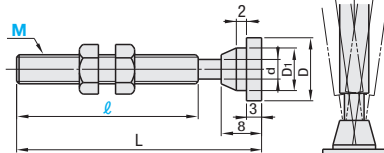


Part Number	L	t1	t2	d	d1	Unit Price
TGUB	M-ℓ					
4-13	23		8	8	12	
4-32	42	2				
6-37	51		12	10	16	
6-87	101					
8-49	67	5	13	12	19	
8-105	123					

■ Tips (Universal)



Part Number	Tip		Bolt	
	M	S	M	S
TGAR	EN 1.0718 Equiv.	Black Oxide	EN 1.0718 Equiv.	Black Oxide
STGAR	EN 1.4301 Equiv.	-	EN 1.4301 Equiv.	-

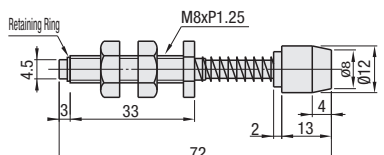


Part Number	L	D	D1	d	Unit Price
TGAR	M-ℓ				
4-13	23		7	2.2	
4-32	42	13			
6-37	51		9	3.2	
8-49	67	16	11	5.2	

■ Tips (Rubber Bolt with Springs)



Part Number	Tip		Bolt		Spring
	M	H	M	S	M
TGSP	NBR (Nitrile Rubber)	Shore A70	EN 1.0038 Equiv.	Black Oxide	EN 1.4301 (WPB) Equiv.
STGSP	NBR (Nitrile Rubber)	Shore A70	SUS304-7	-	EN 1.4301 (WPB) Equiv.

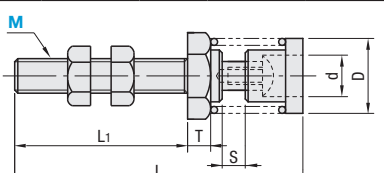


Part Number	Max. Stroke	Load N (kgf)	Unit Price
TGSP			
4	4	30 (3)	
STGSP			

■ Tips (Rubber Bolt with Spring and Resin Pad)



Part Number	Pad		Bolt		Spring
	M	S	M	S	M
TGSPM	Polyacetal (White)	EN 1.1191 Equiv.	Black Oxide	EN 1.4301 (WPB) Equiv.	



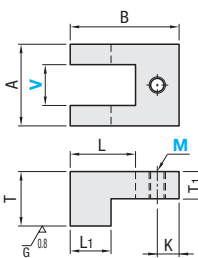
Part Number	M	S (Stroke)	min. Load (N)	max. Load (N)	Unit Price
TGSPM					
4	4	3	19.4	29.1	
6	6	4	21.8	30.5	
8	8	8	18.8	32.4	

M	L	L1	T	D	d
4	34.5	20	2	12	5.6
6	50	30	4	13	7.2
8	60	30	5	14	7.8

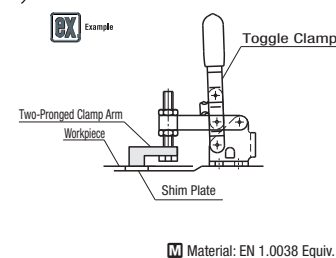
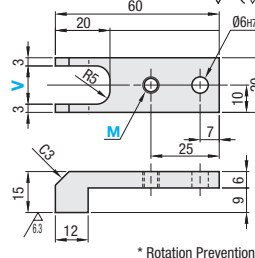
■ Two-Pronged Clamp Arms



KJWCL (Standard)



KJWCLC (Compact)

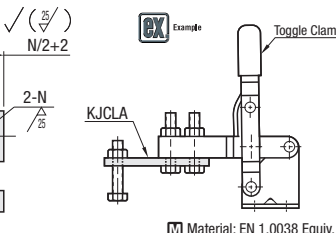
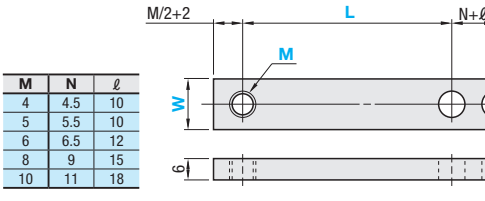


Part Number	Type	V	M Selection			A	B	L	L1	K	T	T1	Unit Price
			4	6	8								
KJWCL		10	4	6		20	30	18	10	6	15	7	
		15	6	8		30	40	24	15	8	20	10	
		20	8	10		40	50	30	20	10	25	12	
KJWCLC		14	4	6	8	(Described in the Drawing)							

■ Clamp Arm Extension Kits



KJCLA



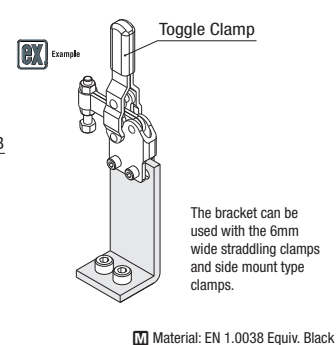
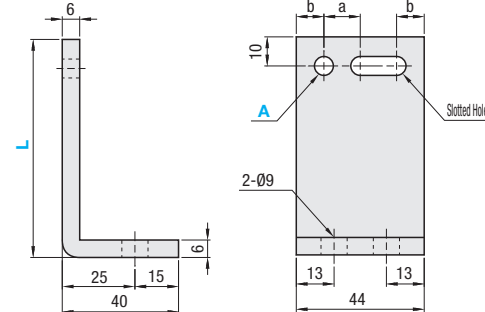
Part Number	Type	W	L Selection						M Selection		Unit Price					
			10	20	30	40	50	60	4	5	L10	L20	L30	L40	L50	L60
KJCLA		10	10						4	5						
		16							8	10	-					

* M6, 8 or 10 is not selectable for L10. (due to an interference with the holes or the mounted bolt nuts)

■ Clamp Brackets

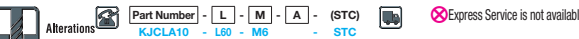


KJCLB



Part Number	Type	No.	L Selection					Hole Dia.		Hole Pitch		Unit Price				
			50	75	100	125	150	A Selection	B	a	b	L50	L75	L100	L125	L150
KJCLB		6						6.5	19	13.5	9	480	550	660	750	860
								8.5	21	12.5	9.5					

Ordering Example	Part Number	-	L	-	M	-	A
	KJWCLC14	-	L60	-	M6	-	A6.5
	KJCLA10	-	L60	-	M6	-	
	KJCLB6	-	L100	-		-	



Alterations	Code	Spec.
Additional Surface Treatment	STC	Adds black oxide surface treatment.