

Metal Heads for Clamps

Standard / Universal / (Bolt with Spring and Rubber Tip) / Rubber Bolt with Spring and Resin Pad

Metal Head (Standard)

MC - Stainless Steel
MCS - NBR

Type	Tip Part		Bolt Part	
	Material	Hardness	Material	Surface Treatment
MC	NBR Nitrile Rubber	Shore A70	Steel	Trivalent Chromate
MCS	Rubber		Stainless Steel	

Metal Head (Standard)

Urethane

TGUB

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

Type	Tip Part		Bolt Part	
	Material	Hardness	Material	*Surface Treatment
TGUB	Urethane*	Shore A90	Steel	Trivalent Chromate

Metal Head (Universal)

TGAR Steel
STGAR Stainless Steel

Type	Tip Part		Bolt Part	
	Material	Hardness	Material	Surface Treatment
TGAR	1214 Carbon Steel	Black Oxide	1214 Carbon Steel	Black Oxide
STGAR	304 Stainless Steel		304 Stainless Steel	

Metal Head (Bolt with Spring and Rubber Tip)

TGSP Steel
STGSP Stainless Steel

Retaining Ring
M8 x P1.25

Rubber Part Material: NBR (Nitrile Rubber) Hardness: Shore A70

Metal Head (Rubber Bolt with Spring and Resin Pad)

TGSPM Steel

Pad Material: Polyacetal (White)

Part Number	M-ℓ (Thread Effective Length)	L O.A.L.	t ₁	t ₂	d	d ₁
MC4-15	4-16	25	2	7	6.5	11.2
MC4-32	4-33	42				
MC5-27	5-28	38	2	8	11.5	13.8
MC5-69	5-70	80				
MC6-37	6-37	51				
MC6-62	6-62	76	2	12	10	16
MC6-87	6-87	101				
MC8-45	8-47	63				
MC8-75	8-77	93	2.5	13.5	13	19
MC8-105	8-107	123				
MC10-59	10-61	85	5.5	18.5	16	24
MC12-66	12-66	100	9	25	22	32

Part Number	M-ℓ (Thread Effective Length)	L O.A.L.	t ₁	t ₂	d	d ₁
MCS4-15	4-16	25				
MCS4-32	4-33	42	2	7	6.5	11.2
MCS6-37	6-37	51		12	10	16
MCS8-45	8-47	63	2.5	13.5	13	19

Part Number	Type	M-ℓ	L	t ₁	t ₂	d	d ₁
4-32	42						
6-37	51		2				
6-87	101			12	10	16	
8-49	67		5	13	12	19	
8-105	123						

Type	Tip Part		Bolt Part	
	Material	Hardness	Material	Surface Treatment
TGAR	1214 Carbon Steel	Black Oxide	1214 Carbon Steel	Black Oxide
STGAR	304 Stainless Steel		304 Stainless Steel	

Part Number	Type	M-ℓ	L	D	D ₁	d
4-32	42					
6-37	51				9	3.2
8-49	67		16	11	5.2	

Type	Tip Part		Bolt Part		Spring Material
	Material	Hardness	Material	Surface Treatment	
TGSP	NBR Nitrile Rubber	Shore A70	1018 Carbon Steel or Equivalent		304 Stainless Steel
STGSP	NBR Nitrile Rubber	Shore A70	Stainless Steel XM-7	Black Oxide	304 Stainless Steel

Part Number	Maximum Stroke	Load N (kgf)
TGSP STGSP	4	30 (3)

Type	Pad Part		Bolt Part		Spring Material
	Material	Hardness	Material	Surface Treatment	
STGAR	Polyacetal (White)	1045 Carbon Steel or Equivalent	Black Oxide		304 Stainless Steel

Part Number	Type	M	S (Stroke)	Min. Load (N)	Max. Load (N)
6	4	21.8	30.5		
8	8	18.8	32.4		

M	L	L ₁	T	D	d
4	34.5	20	2	12	6.4
6	50	30	4	13	7.2
8	60	30	5	14	7.8

Part Number Example	Part Number
	MC4-32
	MCS6-37

Components for Toggle Clamps

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

Two-Pronged Clamp Arms

KJWCL Standard **KJWCLC Compact**

Application Example

Material: 1018 Carbon Steel or Equivalent

Part Number	Type	V	M Selection		A	B	L	L ₁	K	T	T ₁
			KJWCL	10							
		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

M	N	ℓ
4	4.5	10
5	5.5	10
6	6.5	12
8	9	15
10	11	18

Application Example

Material: 1018 Carbon Steel or Equivalent

Type	Part Number	W	L Selection						M Selection		
			KJCLA	10	16	10*	20	30	40	50	60
									8	10	

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

Clamp Brackets

KJCLB

Application Example

Use toggle clamps with straddling slot width 6, and side mount type toggle clamps.

Material: 1018 Carbon Steel or Equivalent Black

Part Number	Type	No.	L Selection	Hole Diameter		Hole Pitch					
				KJCLB	6	50	75	100	125	150	6.5
								8.5	21	12.5	9.5

Part Number Example	Part Number
	KJWCLC14-6
	KJCLA10-L40-M5
	KJCLB6-L75-A6.5

Part Number Alterations	Part Number	Alterations	Code	Spec.
	KJCLA10	- L60 - M6	- STC	

Alterations	Code	Spec.
Additional Surface Treatment	STC	Adds Black Oxide Surface Treatment

