

TCDVFL,TCDVF TOGGLE CLAMPS



TCDVFL-SUS

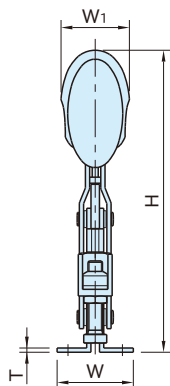
(With Safety-Lock Feature, Stainless Steel)



TCDVF

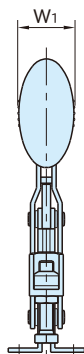
(Without Safety-Lock Feature, Steel)

Type	Body/Arm	Handle	Knob Cover
TCDVFL	SAPH440	Polyamide	Thermoplastic elastomer
TCDVF	Nitrocarburized Black oxide finish		-
TCDVFL-SUS	SUS304	Polyamide	Thermoplastic elastomer
TCDVF-SUS	stainless steel		-



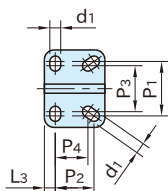
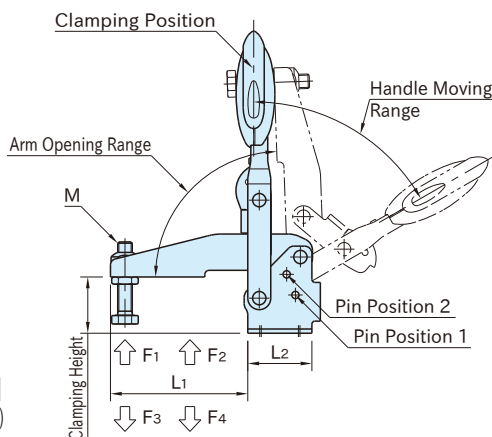
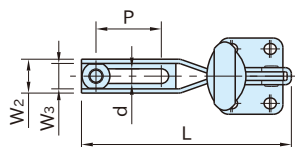
TCDVFL **TCDVFL-SUS**

(With Safety-Lock Feature)

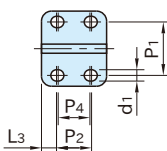


TCDVF **TCDVF-SUS**

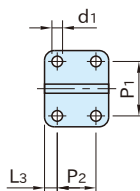
(Without Safety-Lock Feature)



M5-M10Size



M6-M8 Size



M12 Size

Type/Size		Arm Opening Range			Handle Moving Range			Handle Force (N)	Holding Force *)		Clamping Force	
		Pin Position 1	Pin Position 2	No Pin Used	Pin Position 1	Pin Position 2	No Pin Used		F ₁ (kN)	F ₂ (kN)	F ₃ (kN)	F ₄ (kN)
TCDVFL	05	100°	-	147°	64°	-	83°	100	0.75	1.05	0.62	0.75
	06	83°	56°	152°	56°	46°		160	1.35	1.65	0.92	1.05
TCDVF	08	93°	13°	158°	61°	26°	86°	190	2	2.8	0.94	1.35
TCDVFL-SUS	10	97°	6°	176°	59°	19°	91°	250	2.5	4.5	1.5	2.5
TCDVF-SUS	12	88°	11°	164°	60°	24°		280	3	5.5	1.4	

Type/Size		M	Clamping Height	d	P	L ₁	L ₂	W	T	d ₁	P ₁	P ₂	P ₃	P ₄	L ₃	L	W ₂	W ₃
TCDVFL	05	M 5×0.8 -25L	19.1	5.1	15	35	25	33	2.5	4.5	24	16	22	14	4.5	66.5	13.2	9.1
	06	M 6×1 -35L	24.7	6.1	19	53	29	38		5.5	27	14	-	12	7	87.5	17.5	12.4
TCDVF	08	M 8×1.25-45L	32.7	8.2	27	62	39	45	2.5	6.8	32	21	-	19	9	107.5	20.6	15.5
TCDVFL-SUS	10	M10×1.5 -55L	38.7	10.2	48	95	50	64		9	45	32	38	27	8	153	25.5	18.4
TCDVF-SUS	12	M12×1.75-70L	46.7	12.1	54	113.5	53	63	8.8	-			-	10.5	173.5	28	20.9	

*) Never apply a force over this value when machining from below.

TCDVFL **TCDVFL-SUS** (With Safety-Lock Feature)

Steel		Stainless Steel		W ₁	H
Part Number	Weight(g)	Part Number	Weight(g)		
TCDVFL06160	330	TCDVFL06160-SUS	330	53.4	162.8
TCDVFL08190	436	TCDVFL08190-SUS	436	51.1	191.4
TCDVFL10250	864	-	-	56.5	230.5
TCDVFL12280	1046	-	-		249.1

TCDVF **TCDVF-SUS** (Without Safety-Lock Feature)

Steel		Stainless Steel		W ₁	H
Part Number	Weight(g)	Part Number	Weight(g)		
TCDVF05100	104	TCDVF05100-SUS	98	22.5	108.5
TCDVF06160	308	TCDVF06160-SUS	305	43.5	156.1
TCDVF08190	411	TCDVF08190-SUS	406	41.5	184.2
TCDVF10250	834	-	-	47	223.9
TCDVF12280	1020	-	-		242.4

Feature

- User-friendly handle
- The safety-lock version allows the clamp to be locked at the clamping position and stay locked until manually unlocked by sliding the knob cover before opening. This prevents the clamp from being accidentally opened by bumping the handle.
- 2 options of pin position for different arm opening/handle moving ranges.

Related Product Page

Spindle nuts **TCDNUT** are available separately

Note

The clamping spindle may have a marking on the top of the hex head. Remove it as needed.

How To Use (TCDVFL & TCDVFL-SUS type)

