

Metal Collar

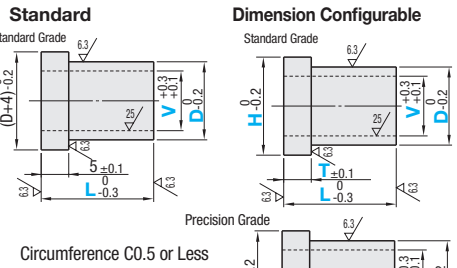
Flanged, Standard Grade / Precision Grade



RoHS 10

Type		Material	Surface Treatment	Hardness
Standard	Configurable			
Standard Grade	Precision Grade			
-	FTCLS	EN 1.0038 Equiv.	-	-
-	FTCLC FTCLMC	EN 1.1191 Equiv.	Black Oxide	-
-	TCLB FTCLB FTCLMB			
-	TCLM FTCLM FTCLMM	Brass (S58 (2014) Equiv.)	Electroless Nickel Plating	-
-	FTCLBB	Aluminum Alloy 2000 series	Clear Anodize	-
-	TCLA FTCLA			
-	FTCLAB	EN 1.4301 Equiv.	Black Anodize	-
-	TCLSS			
-	FTCLCH FTCLBH	EN 1.1191 Equiv.	Black Oxide	45~50HRC
-	FTCLMH	Electroless Nickel Plating	-	-
-	FTCLSK			
-	FTCLSH FTCMSH	EN 1.2510 Equiv.	-	55HRC~
-		EN 1.4031 Equiv.	-	45~50HRC

⚠ Depending on thickness and length, EN 1.1191 Equiv. Hardened Type may be less than 45HRC.
⚠ Stainless Steel Hardened Type may be discolored due to hardening.



Standard Type, Standard Grade

Part Number				Unit Price				Part Number				Unit Price						
Type	V	D Selection				L 0.1mm Increment	Type	V	L10.0-25.0	25.1-50.0	50.1-75.0	75.1-100.0	Type	V	L10.0-25.0	25.1-50.0	50.1-75.0	75.1-100.0
TCLB TCLM TCLA TCLSS	2	5	6	8	10	10.0~16.0	TCLB	2	-	-	-	TCLA	2	-	-	-		
	3	5	6	8	10			12	3 4 5	-	-		-	3 4 5	-	-	-	
	4	6	8	10	12			13	14	15	16		20	6	-	-	-	
	5	8	10	12	13			14	15	16	20		8 10	-	-	-		
	6	8	10	12	13	14		15	16	20	25		10.0~50.0	12	-	-	-	
	8	10	12	13	14	15		16	20	25	15			16	20	25	30	
	10	12	13	14	15	16		20	25	30	16			20	25	30		
	12	15	16	20	25	30		35	40	50	20			25	30	35	40	50
	15	20	25	30	35	40		50	60	25	30			35	40	50	60	
	16	20	25	30	35	40		50	60	10.0~100.0	25		30	35	40	50	60	
	20	25	30	35	40	50		60	30		35		40	50	60			
	25	30	35	40	50	60		35	40		50		60					
	30	40	50	60	30	35		40	50		60							
30	40	50	60															
TCLB TCLM TCLA TCLSS	2	-	-	-	-	TCLM	2	-	-	-	-	TCLSS	2	-	-	-	-	
	3 4 5	-	-	-	-		3 4 5	-	-	-	-		3 4 5	-	-	-	-	
	6	-	-	-	-		6	-	-	-	-		6	-	-	-	-	
	8 10	-	-	-	-		8 10	-	-	-	-		8 10	-	-	-	-	
	12	-	-	-	-		12	-	-	-	-		12	-	-	-	-	
	15	-	-	-	-		15	-	-	-	-		15	-	-	-	-	
	16	-	-	-	-		16	-	-	-	-		16	-	-	-	-	
	20	-	-	-	-		20	-	-	-	-		20	-	-	-	-	
	25	-	-	-	-		25	-	-	-	-		25	-	-	-	-	
	30	-	-	-	-		30	-	-	-	-		30	-	-	-	-	

Ordering Example

Part Number - D - L

TCLB10 - 20 - 60.0

Standard Grade, Dimension Configurable

Part Number	V 0.5mm Increment (V3 or More)	D	H	T 1mm Increment	L 0.1mm Increment	Unit Price													
						FTCLS	FTCLC	FTCLB	FTCLM FTCLBB	FTCLA	FTCLAB FTCLSS	FTCLCH	FTCLBH	FTCLMH	FTCLSK	FTCLSH			
FTCLS FTCLC FTCLB FTCLM FTCLBB FTCLA FTCLAB FTCLSS FTCLCH FTCLBH FTCLMH FTCLSK FTCLSH	(Selection) 2.0 2.6 3.0-55.0	4.0~10.0 (0.5mm Increment)	6.0~20.0 (0.5mm Increment)	1~20 (T≤L-1) ⚠ FTCLBB (2≤T≤L-2)	10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
		10.5~20 (0.5mm Increment)	12.5~30 (0.5mm Increment)		10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
		21~30 (1mm Increment)	23~40 (1mm Increment)		10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
		31~40 (1mm Increment)	33~50 (1mm Increment)		10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
		41~50 (1mm Increment)	43~60 (1mm Increment)		10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
		51~60 (1mm Increment)	53~70 (1mm Increment)		10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
					10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
					10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
					10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
					10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
					10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
					10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
					10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
					10.0~ 25.0 25.1~ 50.0 50.1~ 75.0 75.1~ 100.0														
		⚠ D-V Machining Conditions 10.0≤L≤50.0 → (D-V)/2≥1 50.1≤L≤100.0 → (D-V)/2≥3					⚠ D-V Machining Conditions (FTCLSK, FTCLBB) 4≤D≤10→ V≤D-2 10.5≤D≤30→ V≤D-4 31≤D≤60→ V≤D-6					⚠ H-D≥2					⚠ D/10≤L≤Vx8		

Ordering Example

Part Number - V - D - H - T - L

FTCLB - V10.5 - D20 - H30 - T4 - L23.8

Precision Grade, Dimension Configurable

Part Number	V	D	H	T	L	Unit Price			
	0.5mm Increment (V3 or More)			0.5mm Increment	0.1mm Increment	FTCLMC	FTCLMB	FTCLMM	FTCMSH
FTCLMC FTCLMB FTCLMM FTCMSH	(Selection)	4.0~10.0	6.0~20.0	1.0~20.0	10.0~ 25.0				
		(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0					
		10.5~20	12.5~30	2.0~20.0	10.0~ 25.0				
		(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0					
		10.0~ 25.0	10.0~ 25.0	10.0~ 25.0					
		(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0					
		10.5~20	12.5~30	2.0~20.0	10.0~ 25.0				
		(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0					
		10.0~ 25.0	10.0~ 25.0	10.0~ 25.0					
		(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0					
		10.5~20	12.5~30	2.0~20.0	10.0~ 25.0				
		(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0					
		10.0~ 25.0	10.0~ 25.0	10.0~ 25.0					
		(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0					
		10.5~20	12.5~30	2.0~20.0	10.0~ 25.0				
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
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10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
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10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
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10.0~ 25.0	10.0~ 25.0	10.0~ 25.0							
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10.5~20	12.5~30	2.0~20.0	10.0~ 25.0						
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(0.5mm Increment)	(0.5mm Increment)	25.1~ 50.0							
10.0~ 25.0	10.0~ 25.0	10.0~							