Collars
–Flanged–

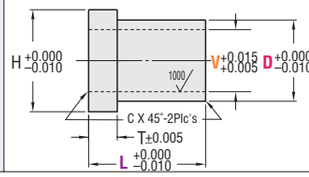
Our Flanged Collars are available in 1045 carbon steel, 2017 aluminum, and 304 or 440C Stainless steel. There are two different types of flanged collars available: with pre-selected outside diameter and with configurable O.D. selection, where you specify all of the dimensions from listed ranges.

Material	Surface Treatment	Hardness	Standard	Configurable
1045 Steel	-	-	-	U-FTCLC
	Black Oxide	-	U-TCLB	U-FTCLB
	Electroless Nickel Plating	-	U-TCLM	U-FTCLM
2017 Aluminum	Clear Anodizing	-	U-TCLA	U-FTCLA
	Black Anodizing	-	-	U-FTCLAB
304 Stainless Steel	-	-	U-TCLSS	U-FTCLSS
1045 Steel	-	45~50HRC	-	U-FTCLCH
	Black Oxide	45~50HRC	-	U-FTCLBH
	Electroless Nickel Plating	45~50HRC	-	U-FTCLMH
440C Stainless Steel	-	45~50HRC	-	U-FTCLSH

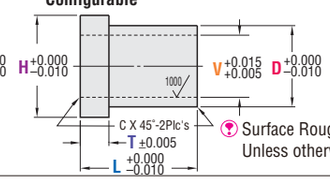
Material Characteristics P.628, 629

When D≤0.500, C=0.005~0.010
When D>0.500, C=0.020 max.

Standard



Configurable



Surface Roughness: Unless otherwise specified 250

Standard

Type	Part No. V Callout	V Actual	V Screw Size	D 5/16	D 3/8	D 7/16	D 1/2	D 5/8	D 3/4	D 7/8	D 1"	D 1-1/4	D 1-1/2	D 1-3/4	D 2"	L Choose in 0.001" Increments
U-TCLB U-TCLM U-TCLA U-TCLSS	0.14	0.138	#6	0.31	0.38	0.44	0.50									0.375 ~ 0.750
	0.16	0.164	#8	0.31	0.38	0.44	0.50	0.63								0.375 ~ 1.250
	0.19	0.190	#10		0.38	0.44	0.50	0.63	0.75							0.375 ~ 1.500
	0.25	0.250	1/4		0.38	0.44	0.50	0.63	0.75							0.375 ~ 2.000
	0.31	0.313	5/16			0.44	0.50	0.63	0.75	0.88	1.00					0.375 ~ 2.500
	0.38	0.375	3/8				0.50	0.63	0.75	0.88	1.00	1.25				0.375 ~ 3.000
	0.50	0.500	1/2					0.63	0.75	0.88	1.00	1.25	1.50	1.75		0.375 ~ 4.000
	0.63	0.625	5/8						0.75	0.88	1.00	1.25	1.50	1.75	2.00	0.375 ~ 4.000
	0.75	0.750	3/4							0.88	1.00	1.25	1.50	1.75	2.00	0.375 ~ 4.000
	1.00	1.000	1"									1.25	1.50	1.75	2.00	0.375 ~ 4.000

The part number consists only of the fields with blue characters. Please refer to the table below for technical information.

Order Example

Part No. — D — L

Type V

U-TCLB 0.25 — D 0.50 — L 1.000

Technical Information

D Callout	D Nominal	D Actual Diameter	H Diameter	H Nominal	T
0.31	5/16	0.313	0.438	7/16	0.188
0.38	3/8	0.375	0.500	1/2	0.188
0.44	7/16	0.438	0.563	9/16	0.188
0.50	1/2	0.500	0.625	5/8	0.188
0.63	5/8	0.625	0.750	3/4	0.188
0.75	3/4	0.750	0.938	15/16	0.188
0.88	7/8	0.875	1.063	1-1/16	0.250
1.00	1"	1.000	1.250	1-1/4	0.250
1.25	1-1/4	1.250	1.563	1-9/16	0.250
1.50	1-1/2	1.500	1.875	1-7/8	0.250
1.75	1-3/4	1.750	2.188	2-3/16	0.313
2.00	2"	2.000	2.500	2-1/2	0.313

Price

Quantity Discount Rate

Quantity	1~4	5~19	20~49	50~
Rate	—	5%	10%	15%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.29

V	D	$ Unit Price (Qty. 1~4) U-TCLB L0.375~1.000	U-TCLB L1.001~2.000	U-TCLB L2.001~3.000	U-TCLB L3.001~4.000	U-TCLM L0.375~1.000	U-TCLM L1.001~2.000	U-TCLM L2.001~3.000	U-TCLM L3.001~4.000	U-TCLA L0.375~1.000	U-TCLA L1.001~2.000	U-TCLA L2.001~3.000	U-TCLA L3.001~4.000	U-TCLSS L0.375~1.000	U-TCLSS L1.001~2.000	U-TCLSS L2.001~3.000	U-TCLSS L3.001~4.000
0.14	0.31 ~ 0.38	4.00	-	-	-	4.70	-	-	-	4.80	-	-	-	5.90	-	-	-
	0.44 ~ 0.50	4.80	-	-	-	5.60	-	-	-	5.80	-	-	-	7.10	-	-	-
0.16	0.31 ~ 0.44	4.00	4.30	-	-	4.70	4.90	-	-	4.80	5.30	-	-	5.90	6.40	-	-
	0.50 ~ 0.63	4.80	5.20	-	-	5.60	5.90	-	-	5.80	6.40	-	-	7.10	7.70	-	-
0.19	0.38 ~ 0.50	4.00	4.30	-	-	4.70	4.90	-	-	4.80	5.30	-	-	5.90	6.40	-	-
	0.63 ~ 0.75	4.80	5.20	-	-	5.60	5.90	-	-	5.80	6.40	-	-	7.10	7.70	-	-
0.25	0.38 ~ 0.50	4.70	5.20	-	-	5.40	5.80	-	-	5.80	6.10	-	-	7.10	7.30	-	-
	0.63 ~ 0.75	5.60	6.20	-	-	6.50	7.00	-	-	7.00	7.30	-	-	8.50	8.80	-	-
0.31	0.44 ~ 0.63	5.30	5.80	6.20	-	6.10	6.60	7.30	-	6.50	7.20	7.70	-	7.90	8.60	9.40	-
	0.75 ~ 1.00	6.40	7.00	7.40	-	7.30	7.90	8.80	-	7.80	8.60	9.20	-	9.50	10.30	11.30	-
0.38	0.50 ~ 0.75	5.30	5.80	6.20	-	6.10	6.60	7.30	-	6.50	7.20	7.70	-	7.90	8.60	9.40	-
	0.88 ~ 1.25	6.40	7.00	7.40	-	7.30	7.90	8.80	-	7.80	8.60	9.20	-	9.50	10.30	11.30	-
0.50	0.63 ~ 1.00	5.50	6.10	6.50	7.00	6.50	7.00	7.40	8.20	6.70	7.30	8.00	8.50	8.20	9.00	9.70	10.30
	1.25 ~ 1.75	6.60	7.30	7.80	8.40	7.80	8.40	8.90	9.80	8.00	8.80	9.60	10.20	9.80	10.80	11.60	12.40
0.63	0.75 ~ 1.25	6.50	7.00	7.30	7.90	7.10	7.30	8.20	8.50	8.00	8.50	9.10	9.70	9.70	10.30	11.00	11.80
	1.50 ~ 2.00	7.80	8.40	8.80	9.50	8.50	8.80	9.80	10.20	9.60	10.20	10.90	11.60	11.60	12.40	13.20	14.20
0.75	0.88 ~ 1.25	7.30	7.70	10.40	8.50	8.50	8.90	9.20	9.80	9.10	9.50	9.80	10.40	11.00	11.60	12.00	12.70
	1.50 ~ 2.00	8.80	9.20	9.60	10.20	10.20	10.70	11.00	11.80	10.90	11.40	11.80	12.50	13.20	13.90	14.40	15.20
1.00	1.25 ~ 1.50	8.00	8.90	9.40	10.00	9.20	10.10	10.70	11.20	10.00	10.80	11.20	11.90	12.10	13.00	13.40	14.00
	1.75 ~ 2.00	9.60	10.70	11.30	12.00	11.00	12.10	12.80	13.40	12.00	13.00	13.40	14.30	14.50	15.60	16.10	16.80

Configurable

Part No.	V Choose in 0.001" Increments	D Choose in 0.01" Increments	H Choose in 0.01" Increments	T Choose in 0.001" Increments	L Choose in 0.0005" Increments	$ Unit Price (Qty. 1~4) U-FTCLC	U-FTCLB	U-FTCLM	U-FTCLA	U-FTCLAB	U-FTCLSS	U-FTCLCH	U-FTCLBH	U-FTCLMH	U-FTCLSH
U-FTCLC U-FTCLB U-FTCLM U-FTCLA U-FTCLAB U-FTCLSS U-FTCLCH U-FTCLBH U-FTCLMH U-FTCLSH	0 (No Hole) 0.078 ~ 1.875	0.19 ~ 0.38	0.27 ~ 0.75	0.063 ~ 0.688	0.3750 ~ 1.0000	11.30	12.20	12.70	10.10	13.30	13.30	13.10	14.00	14.50	19.70
					1.0005 ~ 2.0000	15.70	17.60	18.50	12.80	19.40	19.40	18.20	20.00	21.20	25.10
		0.39 ~ 0.75	0.50 ~ 1.19	0.063 ~ 0.750	0.3750 ~ 1.0000	15.80	18.10	19.00	13.30	20.00	20.00	18.50	20.60	22.00	26.20
					1.0005 ~ 2.0000	22.90	27.50	29.20	18.50	30.60	30.60	26.60	31.20	33.50	36.40
					2.0005 ~ 3.0000	30.00	36.70	39.50	23.90	41.40	41.40	34.80	41.80	45.40	46.90
					3.0005 ~ 4.0000	37.10	46.10	49.70	29.20	52.20	52.20	43.20	52.40	57.00	58.40
		0.76 ~ 1.19	0.88 ~ 1.50	0.063 ~ 0.750	0.3750 ~ 1.0000	20.90	24.80	26.40	17.60	27.70	27.70	24.20	28.20	30.40	34.70
					1.0005 ~ 2.0000	30.40	38.30	41.40	25.40	43.60	43.60	35.40	43.60	47.60	49.90
					2.0005 ~ 3.0000	39.80	51.70	56.60	33.40	59.50	59.50	46.30	58.80	65.00	67.30
					3.0005 ~ 4.0000	49.30	65.40	71.60	41.20	75.40	75.40	57.50	74.30	82.30	84.60
		1.20 ~ 1.56	1.31 ~ 2.00	0.063 ~ 0.750	0.3750 ~ 1.0000	26.40	32.60	35.20	22.90	37.00	37.00	30.70	37.00	40.40	45.00
					1.0005 ~ 2.0000	38.50	51.00	55.90	33.80	58.90	58.90	44.90	58.00	64.40	66.20
					2.0005 ~ 3.0000	50.60	69.40	77.30	44.60	81.20	81.20	59.00	78.80	88.70	90.60
					3.0005 ~ 4.0000	62.90	87.60	97.60	55.30	102.50	102.50	73.00	99.50	112.20	114.00
		1.57 ~ 2.00	1.69 ~ 2.38	0.063 ~ 0.750	0.3750 ~ 1.0000	32.80	41.80	45.20	29.20	47.60	47.60	38.00	47.40	52.00	57.10
					1.0005 ~ 2.0000	47.60	65.50	72.60	43.30	76.30	76.30	55.40	74.40	83.40	84.80
					2.0005 ~ 3.0000	62.40	89.30	100.10	58.00	105.10	105.10	72.60	101.40	115.00	116.40
					3.0005 ~ 4.0000	77.30	113.00	127.40	72.60	130.10	130.10	89.80	128.40	146.40	147.80

Selection Criteria: 1: D/10 ≤ L ≤ V x 8 2: When L ≤ 2.00, D ≥ V + 0.13 When L > 2.00, D ≥ V + 0.25
3: H - D ≥ 0.08 4: L - T ≥ 0.063

U-FTCLSH (440C stainless type) may be discolored due to the hardening process.

The part number consists only of the fields with blue characters.

Order Example

Part No. — V — D — H — T — L

U-FTCLB — V 0.75 — D 1.00 — H 1.25 — T 0.188 — L 1.0625

Days to Ship

•1045 Steel, 304 Stainless Steel, 440C Stainless Steel

Standard: 6 Days
Non-Returnable P.30

Express: 4 Days (Specify Express A) $ 2.00/piece P.30
A flat charge of $5.40 for 3 or more identical pieces.

•2017 Aluminum

Standard: 8 Days
Non-Returnable P.30

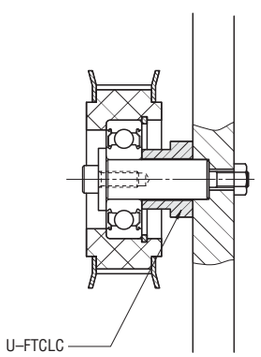
Express: 6 Days (Specify Express B) $ 2.00/piece P.30
A flat charge of $5.40 for 3 or more identical pieces.

Price

Quantity Discount Rate

Quantity	1~4	5~19	20~49	50~
Rate	—	5%	10%	15%

For larger quantity orders "Days to Ship" may differ from published catalog term. P.29



Express Options P.30
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