

# Precision Collars –Standard–



These Precision Collars are offered with a length tolerance of ±0.0005 and can be used as shaft spacers. They are available in 1045 carbon steel, 6061-T6 aluminum, and 304 or 440C stainless steel. For a given I.D., the O.D. can be selected from a list then the length can be chosen within a given range in 0.0005" increments.

Material	Surface Treatment	Hardness	Type
1045 Steel	-	-	U-ACSC
1045 Steel	Black Oxide	-	U-ABSC
1045 Steel	Electroless Nickel Plating	-	U-PASC
6061-T6 Aluminum	Clear Anodizing	-	U-AMSC
304 Stainless Steel	-	-	U-SASC
304 Stainless Steel	-	45-50HRC	U-ASH
1045 Steel	Black Oxide	45-50HRC	U-ASC
1045 Steel	Electroless Nickel Plating	45-50HRC	U-PASC
440C Stainless Steel	-	45-50HRC	U-SASCH

Material Characteristics P. 628, 629

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

Surface Roughness: Unless otherwise specified

Type	Part No.			D Selection (Callout)										L Choose in 0.0005" Increments			
	Callout	Actual	Screw Size	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1"	1-1/4		1-1/2	1-3/4	2"
U-ACSC U-ABSC U-AMSC U-AASC U-SASC U-ASH U-ASC U-PASC U-SASCH	0.11	0.112	#4	0.25	0.31	0.38											0.3750 ~ 0.6250
	0.13	0.125	#5	0.25	0.31	0.38	0.44										0.3750 ~ 0.6250
	0.14	0.138	#6		0.31	0.38	0.44	0.50									0.3750 ~ 0.7500
	0.16	0.164	#8		0.31	0.38	0.44	0.50	0.63								0.3750 ~ 1.2500
	0.19	0.190	#10			0.38	0.44	0.50	0.63	0.75							0.3750 ~ 1.5000
	0.25	0.250	1/4			0.38	0.44	0.50	0.63	0.75							0.3750 ~ 2.0000
	0.31	0.313	5/16				0.44	0.50	0.63	0.75	0.88	1.00					0.3750 ~ 2.5000
	0.38	0.375	3/8					0.50	0.63	0.75	0.88	1.00	1.25				0.3750 ~ 3.0000
	0.50	0.500	1/2						0.63	0.75	0.88	1.00	1.25	1.50	1.75		0.3750 ~ 4.0000
	0.63	0.625	5/8							0.75	0.88	1.00	1.25	1.50	1.75	2.00	0.3750 ~ 4.0000
0.75	0.750	3/4								0.88	1.00	1.25	1.50	1.75	2.00	0.3750 ~ 4.0000	
1.00	1.000	1"									1.25	1.50	1.75	2.00		0.3750 ~ 4.0000	

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-ACSC 0.19 — D 0.44 — L 1.1250

### Technical Information

Callout	D	
	Nominal	Actual Diameter
0.25	1/4	0.250
0.31	5/16	0.313
0.38	3/8	0.375
0.44	7/16	0.438
0.50	1/2	0.500
0.63	5/8	0.625
0.75	3/4	0.750
0.88	7/8	0.875
1.00	1"	1.000
1.25	1-1/4	1.250
1.50	1-1/2	1.500
1.75	1-3/4	1.750
2.00	2"	2.000



Days to Ship

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

Standard

6 Days

Express

4 Days (Specify Express A)

\$ 2.00/piece P. 30

•6061-T6 Aluminum

Standard

8 Days

Express

6 Days (Specify Express B)

\$ 2.00/piece P. 30

•Non-Returnable P. 30

•Non-Returnable P. 30

A flat charge of \$5.40 for 3 or more identical pieces.

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

V	D	\$ Unit Price (Qty. 1-4)											
		U-ACSC				U-ABSC				U-AMSC			
		L0.3750-1.0000	L1.0005-2.0000	L2.0005-3.0000	L3.0005-4.0000	L0.3750-1.0000	L1.0005-2.0000	L2.0005-3.0000	L3.0005-4.0000	L0.3750-1.0000	L1.0005-2.0000	L2.0005-3.0000	L3.0005-4.0000
0.11	0.25 ~ 0.31	3.60	-	-	-	4.10	-	-	-	5.20	-	-	-
	0.38	3.60	-	-	-	4.10	-	-	-	5.20	-	-	-
0.13	0.25 ~ 0.31	3.60	-	-	-	4.10	-	-	-	5.20	-	-	-
	0.38 ~ 0.44	4.70	-	-	-	5.20	-	-	-	6.40	-	-	-
0.14	0.31 ~ 0.38	3.60	-	-	-	4.10	-	-	-	5.20	-	-	-
	0.44 ~ 0.50	4.70	-	-	-	5.20	-	-	-	6.40	-	-	-
0.16	0.31 ~ 0.44	4.70	6.70	-	-	5.20	7.40	-	-	6.40	8.80	-	-
	0.50 ~ 0.63	4.70	6.70	-	-	5.20	7.40	-	-	6.40	8.80	-	-
0.19	0.38 ~ 0.50	4.70	6.70	-	-	5.20	7.40	-	-	6.40	8.80	-	-
	0.63 ~ 0.75	4.70	6.70	-	-	5.20	7.40	-	-	6.40	8.80	-	-
0.25	0.38 ~ 0.50	4.70	6.70	-	-	5.20	7.40	-	-	6.40	8.80	-	-
	0.63 ~ 0.75	4.70	6.70	-	-	5.20	7.40	-	-	6.40	8.80	-	-
0.31	0.44 ~ 0.63	4.70	6.70	9.20	-	5.20	7.40	10.20	-	6.40	8.80	11.60	-
	0.75 ~ 1.00	4.80	7.10	9.40	-	5.30	7.80	10.30	-	6.50	9.20	11.90	-
0.38	0.50 ~ 0.75	4.70	6.70	9.20	-	5.20	7.40	10.20	-	6.40	8.80	11.60	-
	0.88 ~ 1.25	6.70	9.00	12.70	-	7.40	10.00	14.00	-	8.60	11.30	15.60	-
0.50	0.63 ~ 1.00	4.80	7.10	9.40	11.40	5.30	7.80	10.30	-	6.50	9.20	11.90	14.30
	1.25 ~ 1.75	6.80	9.00	13.20	15.10	7.60	10.40	14.60	12.60	8.90	11.40	16.20	18.60
0.63	0.75 ~ 1.25	7.40	10.00	14.00	16.10	7.80	10.40	15.60	16.80	9.50	12.50	18.70	19.80
	1.50 ~ 2.00	8.40	12.00	15.20	18.20	9.40	13.20	16.90	20.30	10.20	13.40	18.10	22.30
0.75	0.88 ~ 1.25	7.40	10.00	14.00	16.10	7.80	10.40	15.60	17.90	9.50	12.50	18.70	19.80
	1.50 ~ 2.00	8.40	12.00	15.20	18.20	9.40	13.20	16.90	20.30	10.20	13.40	18.10	22.30
1.00	1.25 ~ 1.50	7.40	10.00	14.00	16.10	7.80	10.40	15.60	17.90	9.50	12.50	18.70	19.80
	1.75 ~ 2.00	8.40	12.00	15.20	18.20	9.40	13.20	16.90	20.30	10.20	13.40	18.10	22.30

V	D	\$ Unit Price (Qty. 1-4)											
		U-AASC				U-ABSC				U-ASH			
		L0.3750-1.0000	L1.0005-2.0000	L2.0005-3.0000	L3.0005-4.0000	L0.3750-1.0000	L1.0005-2.0000	L2.0005-3.0000	L3.0005-4.0000	L0.3750-1.0000	L1.0005-2.0000	L2.0005-3.0000	L3.0005-4.0000
0.11	0.25 ~ 0.31	4.20	-	-	-	6.40	-	-	-	4.20	-	-	-
	0.38	4.20	-	-	-	6.40	-	-	-	4.20	-	-	-
0.13	0.25 ~ 0.31	4.20	-	-	-	6.40	-	-	-	4.20	-	-	-
	0.38 ~ 0.44	5.50	-	-	-	8.30	-	-	-	5.30	-	-	-
0.14	0.31 ~ 0.38	4.20	-	-	-	6.40	-	-	-	4.20	-	-	-
	0.44 ~ 0.50	5.50	-	-	-	8.30	-	-	-	5.30	-	-	-
0.16	0.31 ~ 0.44	5.50	7.90	-	-	8.30	12.00	-	-	5.30	7.70	-	-
	0.50 ~ 0.63	5.50	7.90	-	-	8.30	12.00	-	-	5.30	7.70	-	-
0.19	0.38 ~ 0.50	5.50	7.90	-	-	8.30	12.00	-	-	5.30	7.70	-	-
	0.63 ~ 0.75	5.50	7.90	-	-	8.30	12.00	-	-	5.30	7.70	-	-
0.25	0.38 ~ 0.50	5.50	7.90	-	-	8.30	12.00	-	-	5.30	7.70	-	-
	0.63 ~ 0.75	5.50	7.90	-	-	8.30	12.00	-	-	5.30	7.70	-	-
0.31	0.44 ~ 0.63	5.50	7.90	10.90	-	8.30	12.00	16.60	-	5.30	7.70	10.60	-
	0.75 ~ 1.00	5.60	8.30	10.90	-	8.60	12.60	16.60	-	5.40	8.00	10.70	-
0.38	0.50 ~ 0.75	5.50	7.90	10.90	-	8.30	12.00	16.60	-	5.30	7.70	10.60	-
	0.88 ~ 1.25	9.70	13.10	18.40	-	13.20	17.60	25.10	-	8.50	11.40	16.00	-
0.50	0.63 ~ 1.00	5.60	8.30	10.90	13.40	8.60	12.60	16.70	20.50	5.40	8.00	10.70	13.10
	1.25 ~ 1.75	10.00	13.20	19.20	22.20	13.40	17.90	26.00	30.00	7.80	10.30	15.10	19.10
0.63	0.75 ~ 1.25	9.70	13.10	18.40	21.20	13.20	17.60	25.10	28.80	8.50	11.40	16.10	18.20
	1.50 ~ 2.00	11.90	15.60	21.80	26.40	14.30	19.40	27.20	33.20	9.70	13.70	17.50	21.00
0.75	0.88 ~ 1.25	9.70	13.10	18.40	21.20	13.20	17.60	25.10	28.80	8.50	11.40	16.10	18.20
	1.50 ~ 2.00	11.90	15.60	21.70	26.40	14.30	19.40	27.20	33.20	9.70	13.70	17.50	21.00
1.00	1.25 ~ 1.50	9.70	13.10	18.40	21.20	13.20	17.60	25.10	28.80	8.50	11.40	16.10	18.20
	1.75 ~ 2.00	11.90	15.60	21.70	26.40	14.30	19.40	27.20	33.20	9.70	13.70	17.50	21.00

V	D	\$ Unit Price (Qty. 1-4)											
		U-ASC				U-PASC				U-SASCH			
		L0.3750-1.0000	L1.0005-2.0000	L2.0005-3.00									