

# Metal Collar

Standard Grade, L Dimension Selectable

# Metal Collar

Standard Grade / Precision Grade, L Dimension Configurable

| Type           | Material        | Surface Treatment          |
|----------------|-----------------|----------------------------|
| Standard Grade |                 |                            |
| KNCLB          | S45C Equivalent | Black Oxide                |
| KNCLM          |                 | Electroless Nickel Plating |
| KNCLSS         | SUS304          | -                          |

  

\* D=16 or Less: C0.1 ~ 0.2  
D=20 or More: C0.5 or Less

Standard Grade

| Part Number<br>Type      | V  | D Selection |   |   |    |    |    |    |    |    |    |    | L Selection |    |    |    |    |    |    |    |    |  |
|--------------------------|----|-------------|---|---|----|----|----|----|----|----|----|----|-------------|----|----|----|----|----|----|----|----|--|
|                          |    | 3           | 5 | 6 | 8  | 10 | 12 | 13 | 14 | 15 | 16 | 20 | 25          | 30 | 10 | 12 | 15 | 20 | 25 | 30 | 35 |  |
| KNCLB<br>KNCLM<br>KNCLSS | 3  | 5           | 6 | 8 | 10 | 12 |    |    |    |    |    |    |             |    |    |    |    |    |    |    |    |  |
|                          | 4  |             | 6 | 8 | 10 | 12 | 13 | 14 | 15 | 16 | 20 |    |             |    |    |    |    |    |    |    |    |  |
|                          | 5  |             |   | 8 | 10 | 12 | 13 | 14 | 15 | 16 | 20 | 25 |             |    |    |    |    |    |    |    |    |  |
|                          | 6  |             |   |   | 8  | 10 | 12 | 13 | 14 | 15 | 16 | 20 | 25          |    |    |    |    |    |    |    |    |  |
|                          | 8  |             |   |   |    | 10 | 12 | 13 | 14 | 15 | 16 | 20 | 25          | 30 |    |    |    |    |    |    |    |  |
|                          | 10 |             |   |   |    |    | 12 | 13 | 14 | 15 | 16 | 20 | 25          | 30 |    |    |    |    |    |    |    |  |
|                          | 12 |             |   |   |    |    |    |    | 15 | 16 | 20 | 25 | 30          |    |    |    |    |    |    |    |    |  |
|                          | 15 |             |   |   |    |    |    |    |    |    |    | 20 | 25          | 30 |    |    |    |    |    |    |    |  |
|                          | 16 |             |   |   |    |    |    |    |    |    |    |    | 20          | 25 | 30 |    |    |    |    |    |    |  |
|                          | 20 |             |   |   |    |    |    |    |    |    |    |    |             | 25 | 30 |    |    |    |    |    |    |  |
| 25                       |    |             |   |   |    |    |    |    |    |    |    |    |             | 30 |    |    |    |    |    |    |    |  |

Ordering Example: Part Number - D - L  
KNCLB3 - 5 - 10

| Part Number<br>Type | D  | Unit Price |     |     |     |     |     |     |
|---------------------|----|------------|-----|-----|-----|-----|-----|-----|
|                     |    | L10        | L12 | L15 | L20 | L25 | L30 | L35 |
| KNCLB               | 5  |            |     |     |     |     |     |     |
|                     | 6  |            |     |     |     |     |     |     |
|                     | 8  |            |     |     |     |     |     |     |
|                     | 10 |            |     |     |     |     |     |     |
|                     | 12 |            |     |     |     |     |     |     |
|                     | 13 |            |     |     |     |     |     |     |
|                     | 14 |            |     |     |     |     |     |     |
|                     | 15 |            |     |     |     |     |     |     |
|                     | 16 |            |     |     |     |     |     |     |
|                     | 20 |            |     |     |     |     |     |     |
| 25                  |    |            |     |     |     |     |     |     |
| 30                  |    |            |     |     |     |     |     |     |

| Part Number<br>Type | D  | Unit Price |     |     |     |     |     |     |
|---------------------|----|------------|-----|-----|-----|-----|-----|-----|
|                     |    | L10        | L12 | L15 | L20 | L25 | L30 | L35 |
| KNCLM               | 5  |            |     |     |     |     |     |     |
|                     | 6  |            |     |     |     |     |     |     |
|                     | 8  |            |     |     |     |     |     |     |
|                     | 10 |            |     |     |     |     |     |     |
|                     | 12 |            |     |     |     |     |     |     |
|                     | 13 |            |     |     |     |     |     |     |
|                     | 14 |            |     |     |     |     |     |     |
|                     | 15 |            |     |     |     |     |     |     |
|                     | 16 |            |     |     |     |     |     |     |
|                     | 20 |            |     |     |     |     |     |     |
| 25                  |    |            |     |     |     |     |     |     |
| 30                  |    |            |     |     |     |     |     |     |

| Part Number<br>Type | D  | Unit Price |     |     |     |     |     |     |
|---------------------|----|------------|-----|-----|-----|-----|-----|-----|
|                     |    | L10        | L12 | L15 | L20 | L25 | L30 | L35 |
| KNCLSS              | 5  |            |     |     |     |     |     |     |
|                     | 6  |            |     |     |     |     |     |     |
|                     | 8  |            |     |     |     |     |     |     |
|                     | 10 |            |     |     |     |     |     |     |
|                     | 12 |            |     |     |     |     |     |     |
|                     | 13 |            |     |     |     |     |     |     |
|                     | 14 |            |     |     |     |     |     |     |
|                     | 15 |            |     |     |     |     |     |     |
|                     | 16 |            |     |     |     |     |     |     |
|                     | 20 |            |     |     |     |     |     |     |
| 25                  |    |            |     |     |     |     |     |     |
| 30                  |    |            |     |     |     |     |     |     |

The prices are based on the O.D. (D).

| Type                     |                 | Material                  | Surface Treatment          |
|--------------------------|-----------------|---------------------------|----------------------------|
| L Dimension Configurable | Precision Grade |                           |                            |
| Standard Grade           | Precision Grade | S45C Equivalent           | Black Oxide                |
| NCLC                     | ACSC            |                           |                            |
| NCLB                     | ABSC            |                           |                            |
| NCLM                     | AMSC            |                           |                            |
| NCLA                     | AASC            | 2000series Aluminum Alloy | Electroless Nickel Plating |
| NCLSS                    | SASC            | SUS304                    | Clear Anodize              |

  

\* D=16 or Less: C0.1 ~ 0.2  
D=20 or More: C0.5 or Less

Standard Grade / Precision Grade

| Part Number<br>Type                                     | V   | D Selection             | L Selection<br>0.1mm Increment | Unit Price     |      |      |      |       |                 |      |      |      |      |  |
|---|---|-------------------------|--------------------------------|----------------|------|------|------|-------|-----------------|------|------|------|------|--|
|   |   |                         |                                | Standard Grade |      |      |      |       | Precision Grade |      |      |      |      |  |
|   |   |                         |                                | NCLC           | NCLB | NCLM | NCLA | NCLSS | ACSC            | ABSC | AMSC | AASC | SASC |  |
| Standard Grade<br>NCLC<br>NCLB<br>NCLM<br>NCLA<br>NCLSS | 2   | 4 5 6 8 10              | 10.0~ 16.0                     |                |      |      |      |       |                 |      |      |      |      |  |
|   | 3   | 5 6 8 10 12             | 10.0~ 25.0                     |                |      |      |      |       |                 |      |      |      |      |  |
|   |   |                         | 25.1~ 50.0                     |                |      |      |      |       |                 |      |      |      |      |  |
|   | 4 5 6   | (6) 8 10 12 13 14 15 16 | 10.0~ 25.0                     |                |      |      |      |       |                 |      |      |      |      |  |
|   |   |                         | 25.1~ 50.0                     |                |      |      |      |       |                 |      |      |      |      |  |
|   | Precision Grade<br>ACSC<br>ABSC<br>AMSC<br>AASC<br>SASC | 8 10 12                 | (10) (12) (13) (14) 15 16      | 10.0~ 25.0     |      |      |      |       |                 |      |      |      |      |  |
|   |   |                         |                                | 25.1~ 50.0     |      |      |      |       |                 |      |      |      |      |  |
|   |   | 15 16 20                | (20) 25                        | 10.0~ 25.0     |      |      |      |       |                 |      |      |      |      |  |
|   |   |                         |                                | 25.1~ 50.0     |      |      |      |       |                 |      |      |      |      |  |
|   |   | 25                      | 30 35                          | 10.0~ 25.0     |      |      |      |       |                 |      |      |      |      |  |
| 25.1~ 50.0  |   |                         |                                |                |      |      |      |       |                 |      |      |      |      |  |
| 25 30   |   | 40 50 60                | 10.0~ 25.0                     |                |      |      |      |       |                 |      |      |      |      |  |
|   |   |                         | 25.1~ 50.0                     |                |      |      |      |       |                 |      |      |      |      |  |
| 25 30   |   | 40 50 60                | 10.0~ 25.0                     |                |      |      |      |       |                 |      |      |      |      |  |
|   |   |                         | 25.1~ 50.0                     |                |      |      |      |       |                 |      |      |      |      |  |
| 25 30   | 40 50 60  | 10.0~ 25.0              |                                |                |      |      |      |       |                 |      |      |      |      |  |
|   |   | 25.1~ 50.0              |                                |                |      |      |      |       |                 |      |      |      |      |  |
| 25 30   | 40 50 60  | 10.0~ 25.0              |                                |                |      |      |      |       |                 |      |      |      |      |  |
|   |   | 25.1~ 50.0              |                                |                |      |      |      |       |                 |      |      |      |      |  |

Ordering Example: Part Number - D - L  
NCLB3 - 5 - 10.5