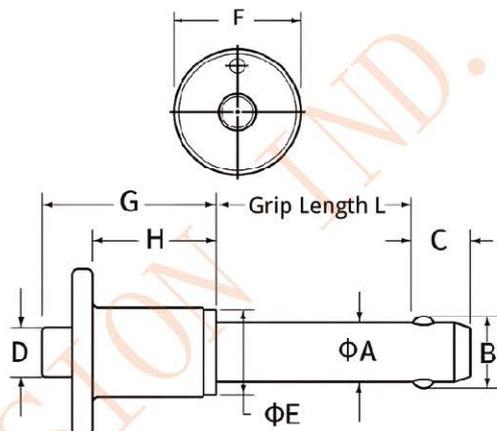


Button Hand

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|-------|-----------|-----------|------------|-----------|-----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY001 | Stainless | Stainless | Zinc alloy | Stainless | Stainless | Stainless |
| BY002 | | | Stainless | | | |



| Item | A | Grip Length | | | | B | C | D | E | F | G | H |
|----------------|----|-------------|-------|------|-----|------|------|------|----|------|------|---|
| | | -0.04 | -0.08 | L | | | | | | | | |
| | | | | +0.5 | | | | | | | | |
| | | | | 0 | | | | | | | | |
| BY001 BY002 | 5 | | | | 5.5 | 7 | 11.8 | 20 | 20 | 24.5 | 16.3 | |
| | 6 | | | | 7 | 7 | 11.8 | 20 | 20 | 24.5 | 16.3 | |
| | 8 | | | | 9.5 | 8 | 11.8 | 20 | 20 | 24.5 | 16.3 | |
| | 10 | 10 | 15 | 20 | 25 | 12 | 9 | 14.5 | 28 | 30 | 21 | |
| | 12 | 30 | 35 | 40 | 45 | 14.5 | 10 | 19 | 34 | 34 | 26 | |
| | 14 | 50 | 55 | 60 | 65 | 16.5 | 11 | 19 | 34 | 34 | 26 | |
| | 16 | 70 | 75 | 80 | 85 | 19 | 14 | 24 | 44 | 44 | 26.5 | |
| | 20 | 90 | 95 | 100 | | 24 | 19 | 24 | 44 | 44 | 26.5 | |
| | 25 | | | | | 32 | 22 | 31.8 | 53 | 53 | 38.5 | |

Order Guide:

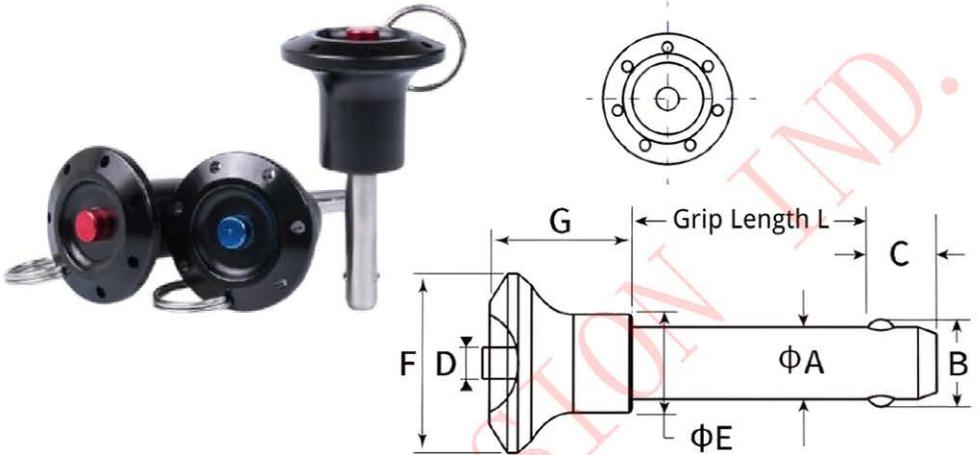
- Item+A+L (Handle can choose color- white or black, tacitly approve black delivery)

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color as you needs.
- All dimensions are mm.

Safety Hand

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|-------|-----------|-----------|----------|-----------|----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY003 | Stainless | Stainless | Alu | Stainless | Alu | Stainless |



| Item | A | -0.04 -0.08 | Grip Length | | B | C | D | E | F | G |
|-------|----|----------------|-------------|----------------|------|----|---|----|----|------|
| | | | L | +0.5 0 | | | | | | |
| BY003 | 5 | | | | 5.5 | 7 | 6 | 16 | 30 | 24.5 |
| | 6 | | | | 7 | 7 | 6 | 16 | 30 | 24.5 |
| | 8 | | | 10 15 20 25 30 | 9.5 | 8 | 6 | 16 | 30 | 24.5 |
| | 10 | | | 35 40 45 50 55 | 12 | 9 | 7 | 18 | 35 | 32.5 |
| | 12 | | | 60 65 70 75 80 | 14.5 | 10 | 7 | 18 | 35 | 32.5 |
| | 14 | | | 85 90 95 100 | 16.5 | 11 | 7 | 18 | 35 | 32.5 |
| | 16 | | | | 19 | 14 | 7 | 22 | 10 | 33 |
| | 20 | | | | 24 | 19 | 7 | 22 | 40 | 33 |

Order Guide:

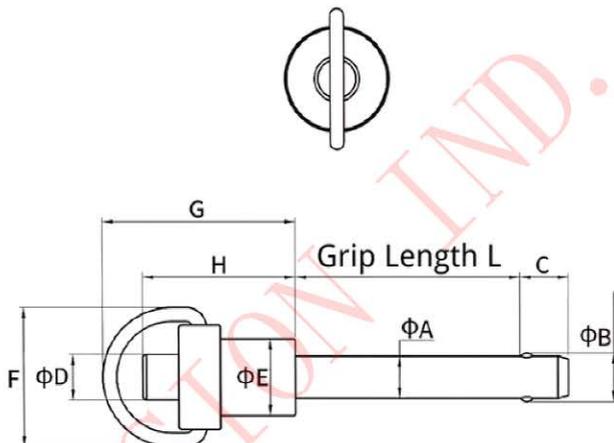
- Item+A+L (Aluminum button can choose color- Red, Blue, Natural, tacitly approve natural delivery)

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color as you needs.
- All dimensions are mm.

D Ring Hand

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY004 | Stainless | Stainless | Stainless | Stainless | Stainless | Stainless |



| Item | A | -0.04 -0.08 | Grip Length | | B | C | D | E | F | G | H |
|--------------|----|----------------|---|-----------|------|----|------|------|----|----|------|
| | | | L | +0.5 0 | | | | | | | |
| BY004 | 5 | | 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 | | 5.5 | 7 | 6.5 | 10.8 | 20 | 30 | 21.5 |
| | 6 | | | | 7 | 7 | 6.5 | 10.8 | 20 | 30 | 21.5 |
| | 8 | | | | 9.5 | 8 | 6.5 | 10.8 | 20 | 30 | 21.5 |
| | 10 | | | | 12 | 9 | 6.5 | 14.2 | 28 | 39 | 25.2 |
| | 12 | | | | 14.5 | 10 | 9 | 17.2 | 28 | 44 | 30.5 |
| | 14 | | | | 16.5 | 11 | 9 | 17.2 | 28 | 44 | 30.5 |
| | 16 | | | | 19 | 14 | 12.8 | 24 | 38 | 64 | 43 |
| | 20 | | | | 24 | 19 | 12.8 | 24 | 38 | 64 | 43 |
| | 25 | | | | 32 | 22 | 18 | 30 | 45 | 56 | 56 |

Order Guide:

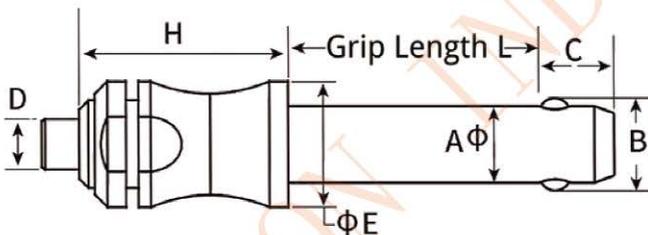
- Item+A+L

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color as you needs.
- All dimensions are mm.

I Hand

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY005 | Stainless | Stainless | Stainless | Stainless | Stainless | Stainless |



| Item | A | -0.04 -0.08 | Grip Length | | | | | B | C | D | E | H |
|-------|----|----------------|----------------|--|--|--|------|----|-----|----|----|---|
| | | | L | | | | | | | | | |
| | | | | | | | | | | | | |
| BY005 | 5 | | | | | | 5.5 | 7 | 6 | 10 | 22 | |
| | 6 | | | | | | 7 | 7 | 6 | 10 | 22 | |
| | 8 | | | | | | 9.5 | 8 | 6.5 | 14 | 27 | |
| | 10 | | 10 15 20 25 30 | | | | 12 | 9 | 6.5 | 14 | 27 | |
| | 12 | | 35 40 45 50 55 | | | | 14.5 | 10 | 9.8 | 20 | 33 | |
| | 14 | | 60 65 70 75 80 | | | | 16.5 | 11 | 9.8 | 20 | 33 | |
| | 16 | | 85 90 95 100 | | | | 19 | 14 | 9.8 | 20 | 33 | |
| | 20 | | | | | | 24 | 19 | 15 | 28 | 39 | |
| | 25 | | | | | | 32 | 22 | 15 | 28 | 39 | |

Order Guide:

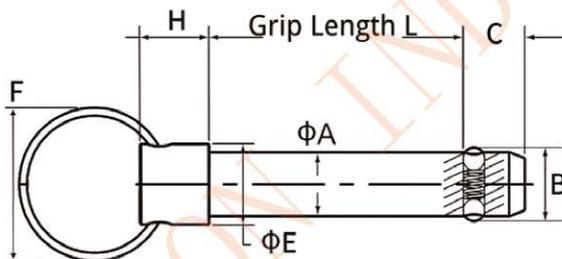
- Item+A+L

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color as you needs.
- All dimensions are mm.

Heavy Pull-Ring

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY006 | Stainless | Stainless | Stainless | Stainless | Stainless | Stainless |



| Item | A -0.04 -0.08 | Grip Length | | | | | B | C | E | F | H | |
|--------------|---------------------|-------------|----|----|----|-----|-----|------|-----|------|------|------|
| | | L | 10 | 15 | 20 | 25 | | | | | | 30 |
| BY006 | 5 | | | | | | 5.8 | 8.4 | 8 | 24 | 8.4 | |
| | 6 | | | | | | 7.0 | 8.7 | 9.5 | 24 | 12.7 | |
| | 8 | | | | | | 10 | 8.5 | 11 | 24 | 13 | |
| | 10 | | 10 | 15 | 20 | 25 | 30 | 11.6 | 9 | 12.7 | 30 | 13 |
| | 12 | | 35 | 40 | 45 | 50 | 55 | 15 | 12 | 15 | 30 | 14.2 |
| | 16 | | 60 | 65 | 70 | 75 | 80 | 19.5 | 17 | 19 | 30 | 14.2 |
| | 20 | | 85 | 90 | 95 | 100 | | 25 | 19 | 22 | 45 | 14.2 |
| | 25 | | | | | | | 31 | 25 | 28.8 | 45 | 14.2 |

Order Guide:

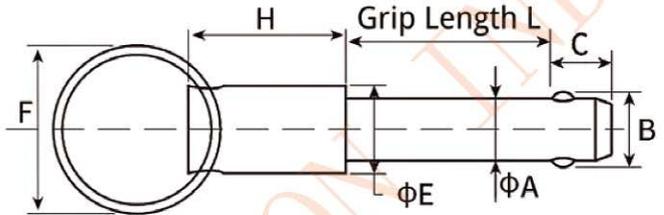
- Item+A+L

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM pin body Color as you needs.
- All dimensions are mm.

Quick Pull Ring

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY007 | Stainless | Stainless | Stainless | Stainless | Stainless | Stainless |



| Item | A | -0.04 -0.08 | Grip Length | | B | C | E | F | H |
|-------|----|----------------|----------------|-----------|------|----|----|----|----|
| | | | L | +0.5 0 | | | | | |
| BY007 | 5 | | | | 5.5 | 6 | 11 | 30 | 22 |
| | 6 | | | | 7 | 7 | 11 | 30 | 22 |
| | 8 | | 10 15 20 25 30 | | 9.5 | 8 | 11 | 30 | 22 |
| | 10 | | 35 40 45 50 55 | | 12 | 9 | 16 | 30 | 27 |
| | 12 | | 60 65 70 75 80 | | 14.5 | 10 | 16 | 30 | 27 |
| | 16 | | 85 90 95 100 | | 32 | 14 | 19 | 30 | 32 |

Order Guide:

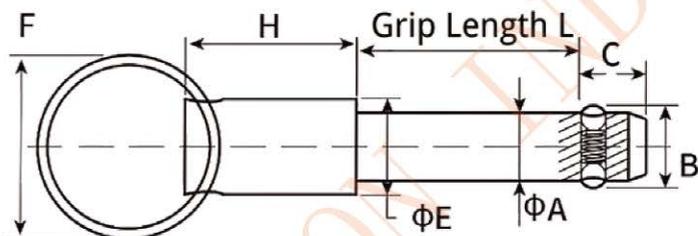
- Item+A+L

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM pin body Color as you needs.
- All dimensions are mm.

Heavy Pull-Ring -2

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY008 | Stainless | Stainless | Stainless | Stainless | Stainless | Stainless |



| Item | A | -0.04 -0.08 | Grip Length | | B | C | E | F | H |
|--------------|----|----------------|----------------|-----------|------|----|----|----|----|
| | | | L | +0.5 0 | | | | | |
| BY008 | 5 | | | | 5.5 | 6 | 11 | 30 | 22 |
| | 6 | | | | 7 | 7 | 11 | 30 | 22 |
| | 8 | | 10 15 20 25 30 | | 9.5 | 8 | 11 | 30 | 22 |
| | 10 | | 35 40 45 50 55 | | 12 | 9 | 16 | 30 | 27 |
| | 12 | | 60 65 70 75 80 | | 14.5 | 10 | 16 | 30 | 27 |
| | 16 | | 85 90 95 100 | | 32 | 14 | 19 | 30 | 32 |

Order Guide:

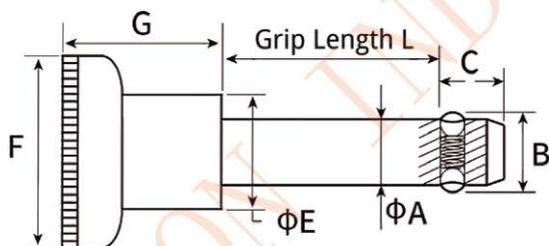
- Item+A+L

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM pin body Color as you needs.
- All dimensions are mm.

Plastic Hand

| Item | Pins | Spring | Hand | Ball |
|--------------|-----------|-----------|----------|-----------|
| | Material | Material | Material | Material |
| BY009 | Stainless | Stainless | Plastic | Stainless |



| Item | A | Grip Length | | | | B | C | E | F | G | |
|-------|----|-------------|-------|------|-----|----|------|----|------|----|----|
| | | -0.04 | -0.08 | +0.5 | L | | | | | | |
| BY009 | 6 | 10 | 15 | 20 | 25 | 30 | 7 | 7 | 14.5 | 25 | 22 |
| | 8 | 35 | 40 | 45 | 50 | 55 | 9.5 | 8 | 14.5 | 25 | 22 |
| | 10 | 60 | 65 | 70 | 75 | 80 | 12 | 9 | 18.5 | 31 | 27 |
| | 12 | 85 | 90 | 95 | 100 | | 14.5 | 10 | 18.5 | 31 | 27 |

Order Guide:

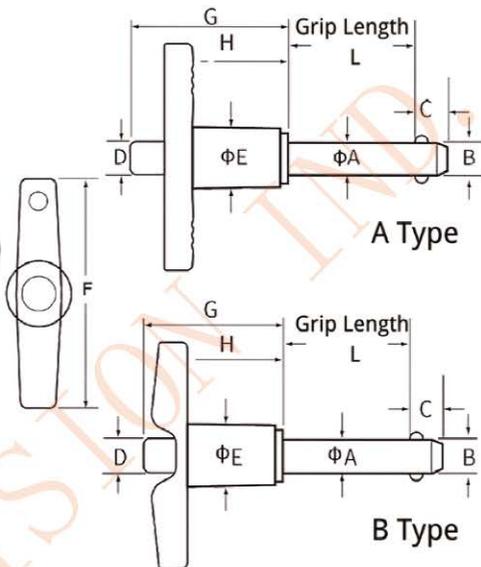
- Item+A+L (Handle can be choose color, red, black, blue, tacitly approve black delivery)

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM pin body Color as you needs.
- All dimensions are mm.

T Hand

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|-------|-----------|-----------|----------|-----------|----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY010 | Stainless | Stainless | Alu | Stainless | Alu | Stainless |



| Item | A | Grip Length | | | | B | C | D | E | F | G | H | | |
|-------|----|-------------|-------|----|------|-----|----|-------|------|------|------|------|------|------|
| | | -0.04 | -0.08 | L | +0.5 | | | | | | | | | |
| BY010 | 5 | | | | | 5.5 | 7 | 6.5 | 13.1 | 46.1 | 31.3 | 18.5 | | |
| | 6 | | | | | 7 | 7 | 6.5 | 13.1 | 46.1 | 31.3 | 18.5 | | |
| | 8 | | | | | 9.5 | 8 | 6.5 | 13.1 | 46.1 | 31.3 | 18.5 | | |
| | 10 | | | 10 | 15 | 20 | 25 | 12 | 9 | 7.7 | 15 | 51.1 | 36.1 | 22.5 |
| | 12 | | | 30 | 35 | 40 | 45 | 14.5 | 10 | 7.7 | 15 | 51.1 | 36.1 | 22.5 |
| | 14 | | | 50 | 55 | 60 | 65 | 16.5 | 11 | 14 | 23.9 | 78.7 | 49.8 | 33.6 |
| | 16 | | | 70 | 75 | 80 | 85 | 19 | 14 | 14 | 23.9 | 78.7 | 49.8 | 33.6 |
| | 20 | | | 90 | 95 | 100 | | 24.08 | 19 | 14 | 23.9 | 78.7 | 49.8 | 33.6 |
| | 25 | | | | | | | 32 | 22 | 17.5 | 30 | 88.9 | 55.9 | 33.9 |

Order Guide:

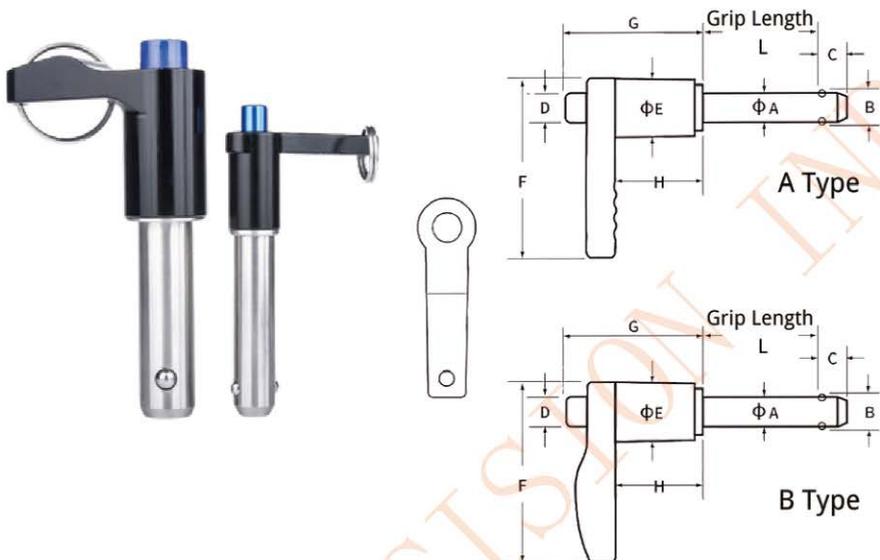
- Item+A+L (Please write type A or B when order)

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color as you needs.
- All dimensions are mm.

L Hand

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|-------|-----------|-----------|----------|-----------|----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY011 | Stainless | Stainless | Alu | Stainless | Alu | Stainless |



| Item | A | -0.04 -0.08 | Grip Length | | | | B | C | D | E | F | G | H |
|-------|----|----------------|-------------|-----------|-----|-------|-----|------|------|------|------|------|---|
| | | | L | +0.5 0 | | | | | | | | | |
| BY011 | 5 | | | | 5.5 | 7 | 6.5 | 13.1 | 46.1 | 44 | 18.5 | | |
| | 6 | | | | 7 | 7 | 6.5 | 13.1 | 46.1 | 44 | 18.5 | | |
| | 8 | | | | 9.5 | 8 | 6.5 | 13.1 | 46.1 | 44 | 18.5 | | |
| | 10 | 10 | 15 | 20 | 25 | 12 | 9 | 7.7 | 15 | 51.1 | 50.8 | 22.5 | |
| | 12 | 30 | 35 | 40 | 45 | 14.5 | 10 | 7.7 | 15 | 51.1 | 50.8 | 22.5 | |
| | 14 | 70 | 75 | 80 | 85 | 16.5 | 11 | 14 | 23.9 | 78.7 | 63 | 33.6 | |
| | 16 | 90 | 95 | 100 | | 19 | 14 | 14 | 23.9 | 78.7 | 63 | 33.6 | |
| | 20 | | | | | 24.08 | 19 | 14 | 23.9 | 78.7 | 63 | 33.6 | |
| | 25 | | | | | 32 | 22 | 17.5 | 30 | 88.9 | 82.6 | 33.9 | |

Order Guide:

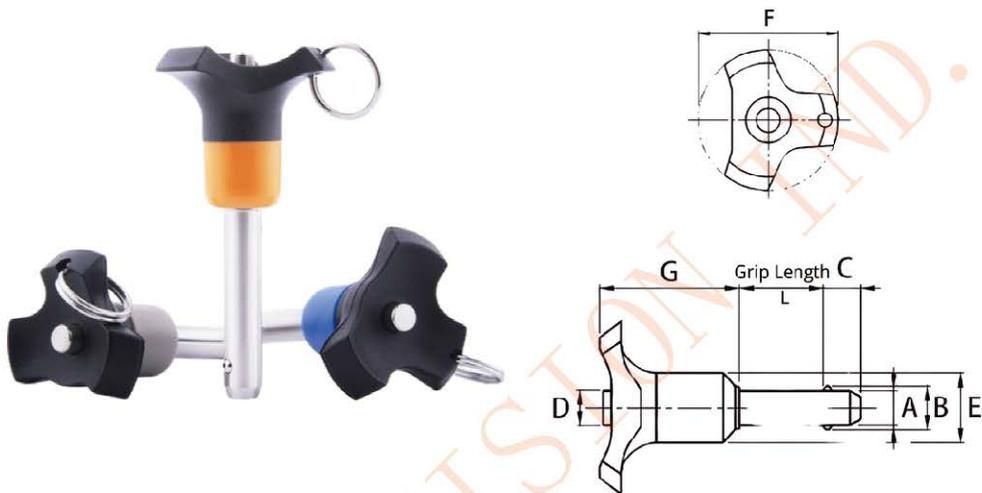
- Item+A+L (Please write type A or B when order)

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color as you needs.
- All dimensions are mm.

F Hand

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|-------|-----------|-----------|----------|-----------|-----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY012 | Stainless | Stainless | Plastic | Stainless | Stainless | Stainless |
| BY013 | | | Alu | | | |



| Item | A | -0.04 -0.08 | Grip Length | | B | C | D | E | F | G |
|----------------|----|----------------|-------------|----------------|------|----|----|----|----|------|
| | | | L | +0.5 0 | | | | | | |
| BY012 BY013 | 5 | | | | 5.5 | 7 | 6 | 16 | 38 | 34.5 |
| | 6 | | | | 7 | 7 | 6 | 16 | 38 | 31.5 |
| | 8 | | | 10 15 20 25 30 | 9.5 | 8 | 6 | 16 | 38 | 31.5 |
| | 10 | | | 35 40 45 50 55 | 12 | 9 | 8 | 23 | 43 | 36 |
| | 12 | | | 60 65 70 75 80 | 14.5 | 10 | 8 | 23 | 34 | 36 |
| | 14 | | | 85 90 95 100 | 16.5 | 11 | 8 | 23 | 34 | 36 |
| | 16 | | | | 19 | 14 | 8 | 23 | 34 | 36 |
| | 20 | | | | 24 | 19 | 15 | 34 | 57 | 50 |

Order Guide:

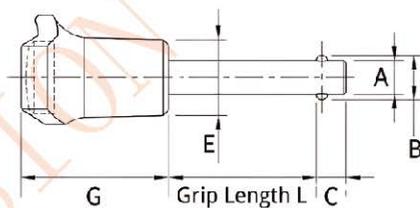
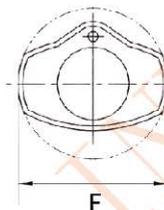
- Item+A+L (Handle can be choose color- blue, gray, orange, tacitly approved orange delivery)

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color with you needs.
- All dimensions are mm.

F Hand- 2

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|--------------|-----------|-----------|----------|-----------|-----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY014 | Stainless | Stainless | Plastic | Stainless | Stainless | Stainless |



| Item | A | -0.04 -0.08 | Grip Length | | B | C | E | F | G |
|--------------|----|----------------|-------------|-----------|------|----|----|----|------|
| | | | L | +0.5 0 | | | | | |
| BY014 | 5 | | | | 5.5 | 7 | 16 | 38 | 32.5 |
| | 6 | | | | 7 | 7 | 16 | 38 | 32.5 |
| | 8 | | | | 9.5 | 8 | 16 | 38 | 32.5 |
| | 10 | | | | 12 | 9 | 23 | 47 | 40 |
| | 12 | | | | 14.5 | 10 | 23 | 47 | 40 |
| | 14 | | | | 16.5 | 11 | 23 | 47 | 40 |
| | 16 | | | | 19 | 14 | 23 | 47 | 40 |

Order Guide:

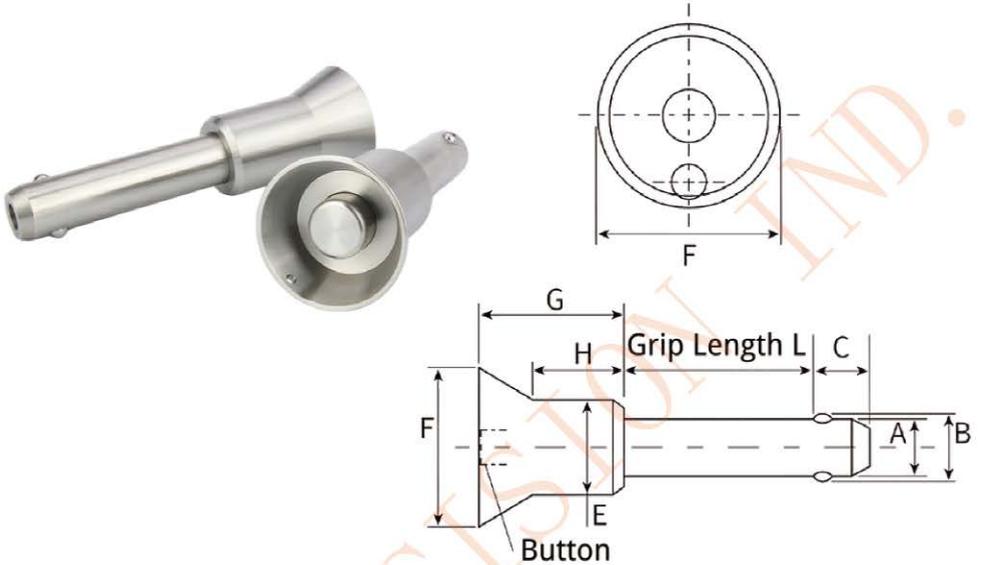
- Item+A+L

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color with you needs.
- All dimensions are mm.

C Hand

| Item | Pins | Spring | Hand | Ball | Button | Ring |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY015 | Stainless | Stainless | Stainless | Stainless | Stainless | Stainless |



| Item | A | -0.04 -0.08 | Grip Length | | B | C | E | F | G | H |
|-------|----|----------------|-------------|----------------|------|----|------|----|------|------|
| | | | L | +0.5 0 | | | | | | |
| BY015 | 5 | | | | 5.5 | 7 | 10.3 | 21 | 21 | 11.6 |
| | 6 | | | | 7 | 7 | 10.3 | 21 | 21 | 11.6 |
| | 8 | | | | 9.5 | 8 | 10.3 | 21 | 21 | 11.6 |
| | 10 | | | 10 15 20 25 30 | 12 | 9 | 16.5 | 28 | 33.5 | 23.1 |
| | 12 | | | 35 40 45 50 55 | 14.5 | 10 | 16.5 | 28 | 33.5 | 23.1 |
| | 14 | | | 60 65 70 75 80 | 16.5 | 11 | 25 | 37 | 46.5 | 29.5 |
| | 16 | | | 85 90 95 100 | 19 | 14 | 25 | 37 | 46.5 | 29.5 |
| | 20 | | | | 24 | 19 | 25 | 37 | 46.5 | 29.5 |
| | 25 | | | | 32 | 22 | 30.4 | 50 | 54.8 | 36.8 |

Order Guide:

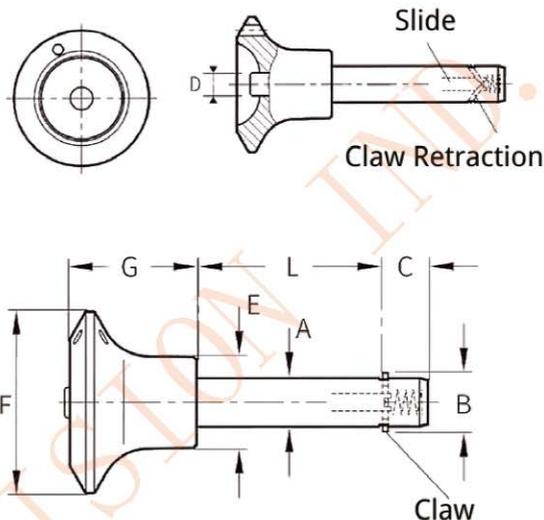
- Item+A+L

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color with you needs.
- All dimensions are mm.

C Hand- Claw

| Item | Pins | Spring | Hand | Claw | Button | Ring |
|--------------|-----------|-----------|----------|-----------|----------|-----------|
| | Material | Material | Material | Material | Material | Material |
| BY016 | Stainless | Stainless | Alu | Stainless | Alu | Stainless |



| Item | A | -0.04 -0.08 | Grip Length | | | | B | C | D | E | F | G |
|-------|----|----------------|----------------|-----------|--|------|------|---|----|----|------|---|
| | | | L | +0.5 0 | | | | | | | | |
| BY016 | 6 | | | | | 8 | 7 | 6 | 16 | 30 | 24.5 | |
| | 8 | | | | | 10.5 | 8.4 | 6 | 16 | 30 | 24.5 | |
| | 10 | | 10 15 20 25 30 | | | 13 | 9.8 | 7 | 18 | 35 | 32.5 | |
| | 12 | | 35 40 45 50 55 | | | 15 | 11.3 | 7 | 18 | 35 | 32.5 | |
| | 16 | | 60 65 70 75 80 | | | 20 | 14.2 | 7 | 22 | 40 | 33 | |
| | 20 | | 85 90 95 100 | | | 23 | 14.8 | 7 | 22 | 40 | 33 | |

Order Guide:

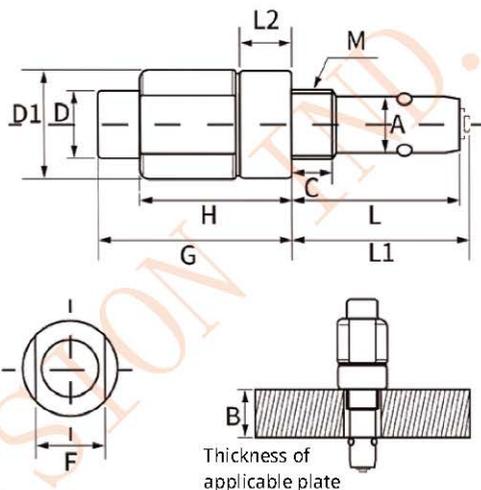
- Item+A+L

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color with you needs.
- All dimensions are mm.

Round Handle- Thread

| Item | Body | | Button | | Ball | Spring |
|-------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Material | Treatment | Material | Treatment | Material | Material |
| BY017 | Steel | Nickeling | Steel | Nickeling | Stainless | Stainless |
| BY018 | Stainless | ----- | Stainless | ----- | | |



| Item | A | M | B | C | D | D1 | L | L1 | L2 | H | G | F |
|-------|-------------------------------------|----------|------|-----|----|----|------|------|----|------|------|----|
| | ^{-0.05} / _{-0.10} | | | | | | | | | | | |
| BY017 | 6 | M8*1.25 | 6-10 | 5.5 | 8 | 12 | 19 | 21 | 6 | 17.5 | 22 | 10 |
| BY018 | 10 | M12*1.25 | 6-16 | 5.5 | 11 | 16 | 21.5 | 23.5 | 12 | 28 | 34.5 | 13 |

Order Guide:

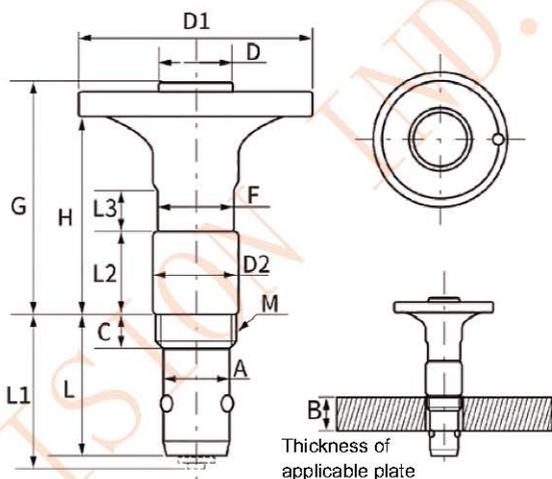
- Item+A (Thread size can be OEM as your needs)

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color with you needs.
- All dimensions are mm.

Safety Handle- Thread

| Item | Body | | Button | | Ball | Spring | Pull Ring |
|--------------|----------|-----------|----------|-----------|-----------|-----------|-----------|
| | Material | Treatment | Material | Treatment | Material | Material | Material |
| BY019 | Steel | Nickeling | Steel | Nickeling | Stainless | Stainless | Stainless |



| Item | A | M | B | C | D | D1 | D2 | L | L1 | L2 | L3 | H | G | F |
|--------------|--|---------|------|-----|----|----|----|------|------|----|-----|----|------|----|
| | $\begin{matrix} -0.05 \\ -0.10 \end{matrix}$ | | | | | | | | | | | | | |
| BY019 | 6 | M8*1.25 | 6-10 | 5.5 | 8 | 25 | 12 | 19 | 21 | 6 | 5.5 | 18 | 22 | 10 |
| | 10 | M8*1.5 | 6-16 | 5.5 | 11 | 35 | 16 | 21.5 | 23.5 | 12 | 7 | 29 | 34.5 | 13 |

Order Guide:

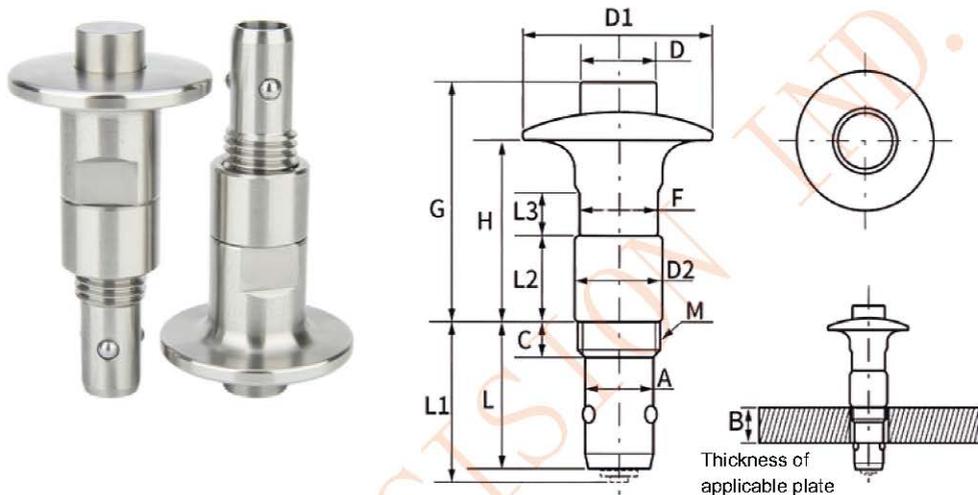
- Item+A (Thread size can be OEM as your needs)

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color with you needs.
- All dimensions are mm.

Round Handle- Thread

| Item | Body | | Button | | Ball | Spring |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Material | Treatment | Material | Treatment | Material | Material |
| BY020 | Stainless | ----- | Stainless | ----- | Stainless | Stainless |



| Item | A | M | B | C | D | D1 | D2 | L | L1 | L2 | L3 | H | G | F |
|--------------|--|---------|------|-----|----|----|----|------|------|----|-----|----|------|----|
| | $\begin{matrix} -0.05 \\ -0.10 \end{matrix}$ | | | | | | | | | | | | | |
| BY020 | 6 | M8*1.25 | 6-10 | 5.5 | 8 | 23 | 12 | 19 | 21 | 6 | 5.5 | 18 | 26 | 10 |
| | 10 | M8*1.5 | 6-16 | 5.5 | 11 | 32 | 16 | 21.5 | 23.5 | 12 | 7 | 29 | 39.5 | 13 |

Order Guide:

- Item+A (Thread size can be OEM as your needs)

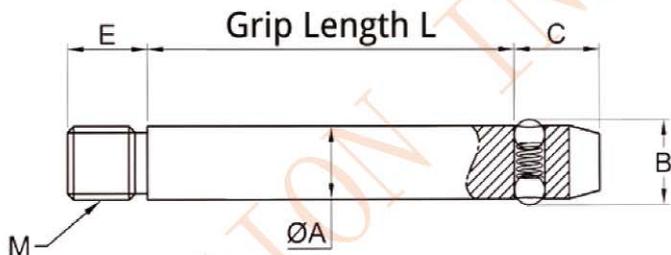
Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- OEM Hand Shank and Push Button Color with you needs.
- All dimensions are mm.

I Handle- Thread



| Item | Pin | Spring | Ball |
|-------|-----------|--------|------|
| | Material | | |
| BY021 | Stainless | | |



| Item | A | -0.04 -0.08 | Grip Length | | M | B | C | E |
|-------|----|----------------|-------------------|-----------|----------|------|----|-----|
| | | | L | +0.5 0 | | | | |
| BY021 | 5 | | | | M4*0.7 | 5. | 6 | 6.5 |
| | 6 | | | | M6*1.0 | 7 | 7 | 6 |
| | 8 | | 10 15 20 25 30 35 | | M6*1.0 | 9.5 | 8 | 6 |
| | 10 | | 40 45 50 55 60 65 | | M8*1.25 | 12 | 9 | 6 |
| | 12 | | 70 75 80 85 90 95 | | M8*1.25 | 14.5 | 10 | 6 |
| | 16 | | 100 | | M12*1.75 | 19 | 14 | 12 |

Order Guide:

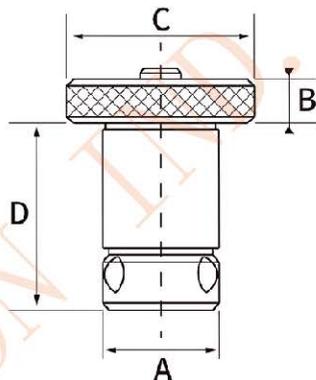
- Item+A+L (Thread size can be OEM as your needs)

Notice:

- Please let us know if you want OEM any size pins.
- OEM pins raw material stainless 303, 304, 316, PH17-4, steel, aluminum.
- The pins color can be OEM as customers needs.
- All dimensions are mm.

Fixtures System

| Item | Body | | Ball |
|--------------|----------|-----------|----------|
| | Material | Treatment | Material |
| BY022 | Steel | Blacken | Steel |



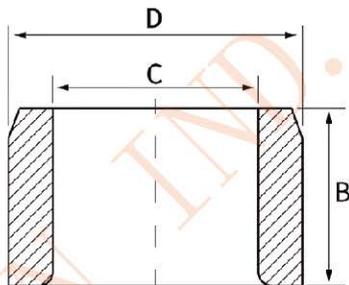
| Item | Splint thickness | ±0.13 | A | B | C | D | Hex Key Size |
|--------------|------------------|-------|----|----|----|------|--------------|
| BY022 | 13 | | 13 | 6 | 22 | 27.6 | 2 |
| | 20 | | 13 | 6 | 22 | 34.6 | 2 |
| | 20 | | 16 | 8 | 32 | 36.5 | 4 |
| | 25 | | 16 | 8 | 32 | 41.5 | 4 |
| | 20 | | 20 | 10 | 40 | 39.5 | 4 |
| | 25 | | 20 | 10 | 40 | 44.5 | 4 |
| | 20 | | 25 | 10 | 45 | 44 | 4 |
| | 25 | | 25 | 10 | 45 | 49 | 4 |
| | 20 | | 30 | 13 | 50 | 49 | 4 |
| | 25 | | 30 | 13 | 50 | 54 | 4 |
| | 20 | | 35 | 13 | 60 | 51 | 5 |
| | 25 | 56 | | | | | |
| | 40 | 71 | | | | | |
| | 50 | | 50 | 20 | 75 | 81 | 5 |
| | 20 | 64 | | | | | |
| | 25 | 69 | | | | | |
| 40 | 84 | | | | | | |
| 50 | | | | | 94 | | |

Order Guide:

- Item+A+Splint thickness (Please let us know if you want OEM any size)

Locating Bush- Straight

| Item | Bushing | |
|--------------|----------|-----------|
| | Material | Treatment |
| BY023 | Steel | Blacken |



| Item | Ball Lock Dia | Plate Thickness | Inner Dia C | | locating bush OD |
|--------------|---------------|-----------------|-------------|-----------|------------------|
| | Dia(mm) | B±0.13 | One grade | Two Grade | D+0.00/-0.01 |
| BY023 | 13 | 13 | 13.01 | 13.04 | 19.04 |
| | | 20 | | | |
| | 16 | 20 | 16.01 | 16.04 | 25.042 |
| | | 25 | | | |
| | 20 | 20 | 20.01 | 20.04 | 35.042 |
| | | 25 | | | |
| | 25 | 20 | 25.01 | 25.04 | 35.042 |
| | | 25 | | | |
| | 30 | 20 | 30.01 | 30.04 | 45.042 |
| | | 25 | | | |
| | 35 | 20 | 35.01 | 35.04 | 45.042 |
| | | 25 | | | |
| | | 40 | | | |
| | 50 | 50 | 50.01 | 50.04 | 63.546 |
| | | 20 | | | |
| | | 25 | | | |
| 40 | | | | | |

Order Guide:

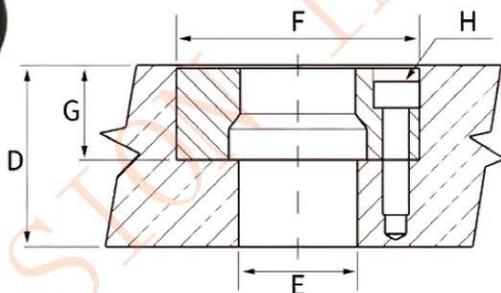
- Item+Ball Lock Dia+Plate thickness B (Please let us know if you want OEM any size)

Notice:

- OEM Bushing raw material stainless 303, 304, 316, PH17-4, steel, aluminum.

Locating Bush- Step

| Item | Bushing | |
|-------|----------|-----------|
| | Material | Treatment |
| BY024 | Steel | Blacken |



| Item | Ball Lock Shaft | Actual OD | Gap Holes Dia | ID | | Depth | Tapping Size & Depth | Thread Hole Arrangement | Basic Edition |
|-------|-----------------|----------------|---------------|----|-----------------|---------|----------------------|-------------------------|--------------------|
| | Dia (mm) | -0.01 -0.02 | E | F | +0.013 +0.01 | G±0.025 | H | 3 Holes Evenly | MIN Thickness D |
| BY024 | 13 | 35 | 13.5 | | 35 | 11.91 | M4*0.7*7 | 25 | 20 |
| | 16 | 37 | 21 | | 37 | 11.91 | M4*0.79*7 | 29 | 20 |
| | 20 | 45 | 21 | | 45 | 16.21 | M5*0.8*9 | 35 | 25 |
| | 25 | 55 | 25.5 | | 55 | 20.32 | M6*1.0*10 | 42 | 30 |
| | 30 | 60 | 30.5 | | 60 | 22.15 | M6*1.0*11 | 48 | 35 |
| | 35 | 70 | 40 | | 70 | 22.99 | M8*1.25*17 | 56 | 40 |
| | 50 | 92 | 55 | | 92 | 31.5 | M10*1.5*18 | 75 | 50 |

Order Guide:

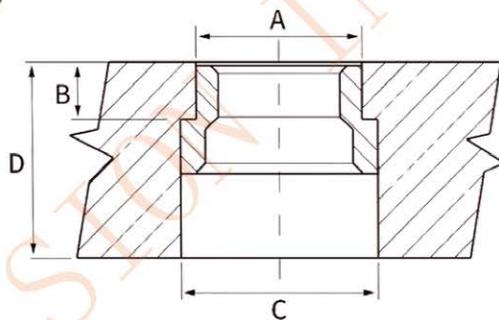
- Item+Ball Lock Dia (Please let us know if you want OEM any size)

Notice:

- OEM Bushing raw material stainless 303, 304, 316, PH17-4, steel, aluminum.

Locating Bush- Step

| Item | Bushing | |
|-------|----------|-----------|
| | Material | Treatment |
| BY025 | Steel | Blacken |



| Item | Ball Lock Shaft | Actual OD | | Depth | Countersink ID | Basic Edition |
|-------|-----------------|-----------|-------|---------|----------------|---------------|
| | Dia(mm) | A | +0.04 | B±0.025 | C±0.015 | MIN Thickness |
| | | | +0.03 | | | D |
| BY025 | 13 | | 6.92 | 6.92 | 25 | 20 |
| | 16 | | 7.24 | 7.24 | 29 | 20 |
| | 20 | | 8.74 | 8.74 | 33 | 25 |
| | 25 | | 10.54 | 10.54 | 41 | 25 |
| | 30 | | 10.95 | 10.95 | 49 | 30 |
| | 35 | | 12.5 | 12.5 | 55 | 35 |
| | 50 | | 15.75 | 15.75 | 76 | 45 |

Order Guide:

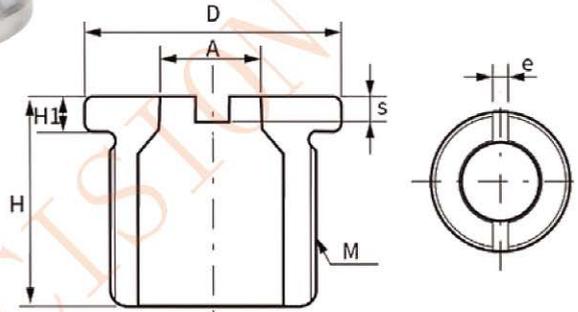
- Item+Ball Lock Dia (Please let us know if you want OEM any size)

Notice:

- OEM Bushing raw material stainless 303, 304, 316, PH17-4, steel, aluminum.

Locating Bush- Thread

| Item | Bushing | |
|--------------|-----------|-----------|
| | Material | Treatment |
| BY026 | Steel | Nickeling |
| BY027 | Stainless | ----- |



| Item | A | +0.4 | M | Plate Thickness | D | H | H1 | e | s |
|--------------|----|------|---------|-----------------|----|----|----|-----|---|
| | | +0.2 | | | | | | | |
| BY026 | 6 | | M12*1.5 | More 6mm | 16 | 15 | 3 | 2.5 | 2 |
| BT027 | 10 | | M16*1.5 | | 20 | 17 | | | |

Order Guide:

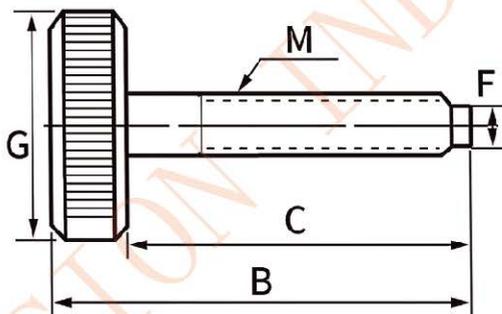
- Item+A (Please let us know if you want OEM any thread size)

Notice:

- OEM Bushing raw material stainless 303, 304, 316, PH17-4, steel, aluminum.

Locating Bush- Thread

| Item | Screw | |
|--------------|-----------|-----------|
| | Material | Treatment |
| BY028 | Steel | Blacken |
| BY029 | Stainless | ----- |



| Item | M | C | B | F | G |
|------------------------------|-----|-----|----|----|----|
| BY028 BY029 | M5 | 25 | 33 | 4 | 19 |
| | | 30 | 38 | | |
| | M8 | 34 | 43 | 5 | |
| | | 40 | 48 | | |
| | | 45 | 53 | | |
| | M10 | 55 | 63 | 8 | |
| | | 45 | 55 | | |
| | M12 | 50 | 60 | 9 | 30 |
| | | 55 | 65 | | |
| | | 70 | 80 | | |
| | | 80 | 90 | | |
| | M20 | 55 | 70 | 15 | 40 |
| | | 60 | 75 | | |
| | | 75 | 90 | | |
| 85 | | 100 | | | |

Order Guide:

- Item+M+C (Please let us know if you want OEM any thread size)

Notice:

- OEM Bushing raw material stainless 303, 304, 316, PH17-4, steel, aluminum.