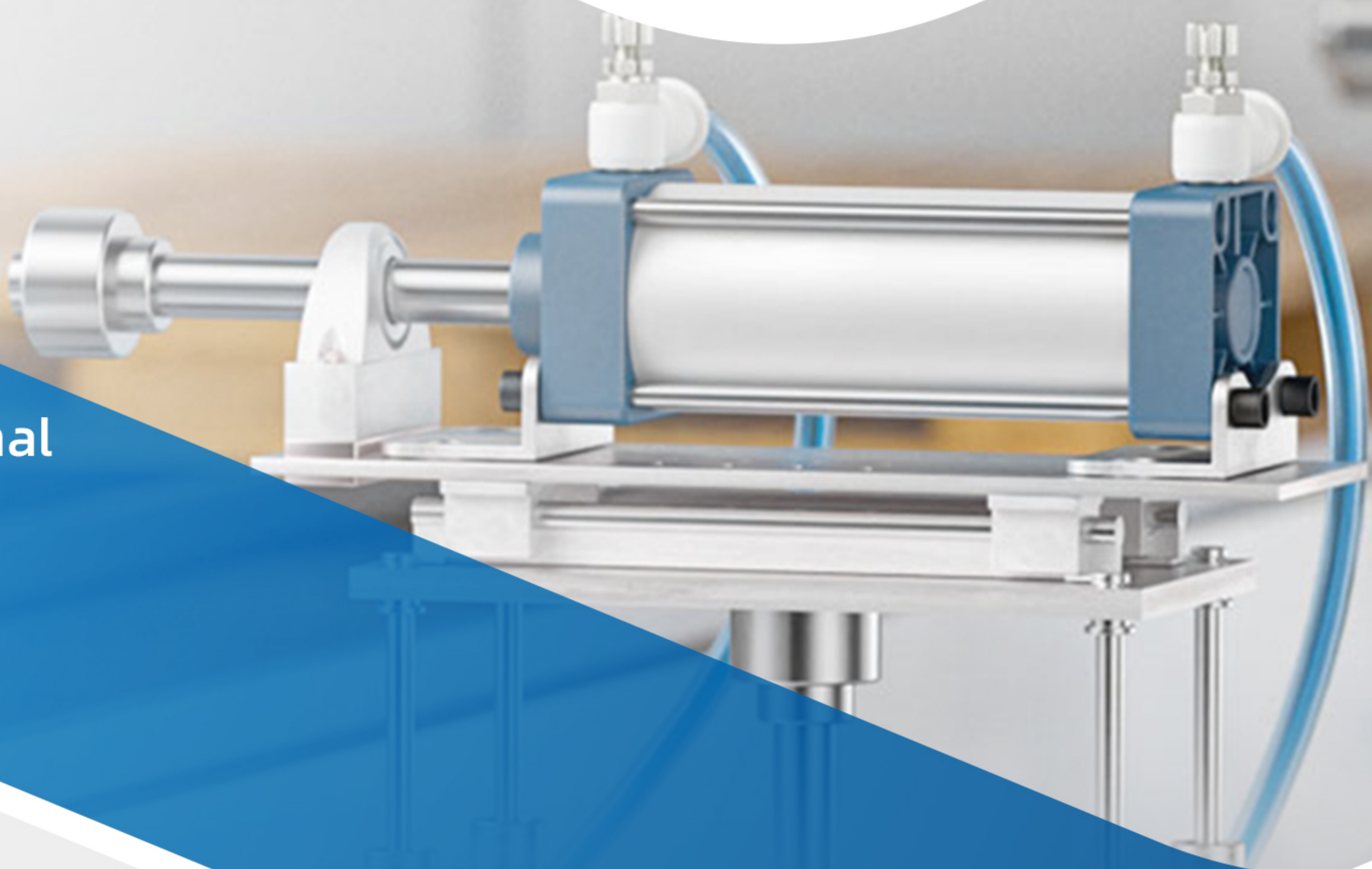




PNEUMATIC  
Since 1999

Professional  
Creates  
Quality



## SC Series Standard Cylinder



| SC                                | 50 × 100      | -         | N                    | S             | FA                                       |
|-----------------------------------|---------------|-----------|----------------------|---------------|------------------------------------------|
| Spec Code                         | Cylinder Bore | Stroke    | Wiring Mode          | Magnet code   | Fixed type                               |
| SC: Standard double action        | 32            |           | Blank: No adjustment | S:with magnet | Blank:Basic type                         |
| SCD: Double shaft type            | 40            |           | N: Adjustable stroke | Blank:without | CA:Rear cover fixing type (single lug)   |
| SCJ: Double shaft adjustable      | 50            | 10:10mm   |                      |               | CB:Rear cover fixed type (double lug)    |
| SCT: multi-position double action | 63            | 20:20mm   |                      |               | FA:Front cover fixed type (front flange) |
|                                   | 80            | 30:30mm   |                      |               | FB:Rear cover fixed type (rear flange)   |
|                                   | 100           | 40:40mm   |                      |               | LB:Leg Bracket type                      |
|                                   |               | 50:50mm   |                      |               | TC:Swing type                            |
|                                   |               | 75:75mm   |                      |               | TC-M:Swing type with foot stand          |
|                                   |               | 100:100mm |                      |               |                                          |

## SU Series Standard Cylinder



| SU                                | 50 × 100      | -         | N                    | S             | FA                                       |
|-----------------------------------|---------------|-----------|----------------------|---------------|------------------------------------------|
| Spec Code                         | Cylinder Bore | Stroke    | Wiring Mode          | Magnet code   | Fixed type                               |
| SU: Standard double action        | 32            |           | Blank: No adjustment | S:with magnet | Blank:Basic type                         |
| SUD: Double shaft type            | 40            |           | N: Adjustable stroke | Blank:without | CA:Rear cover fixing type (single lug)   |
| SUJ: Double shaft adjustable      | 50            | 10:10mm   |                      |               | CB:Rear cover fixed type (double lug)    |
| SUT: multi-position double action | 63            | 20:20mm   |                      |               | FA:Front cover fixed type (front flange) |
|                                   | 80            | 30:30mm   |                      |               | FB:Rear cover fixed type (rear flange)   |
|                                   | 100           | 40:40mm   |                      |               | LB:Leg Bracket type                      |
|                                   |               | 50:50mm   |                      |               | TC:Swing type                            |
|                                   |               | 75:75mm   |                      |               | TC-M:Swing type with foot stand          |
|                                   |               | 100:100mm |                      |               |                                          |

## SI Series Standard Cylinder



| SI                            | 50 × 100      | -         | N                    | S             | FA                                       |
|-------------------------------|---------------|-----------|----------------------|---------------|------------------------------------------|
| Spec Code                     | Cylinder Bore | Stroke    | Wiring Mode          | Magnet code   | Fixed type                               |
| SI:Standard Interchangeable   | 32            |           | Blank: No adjustment | S:with magnet | Blank:Basic type                         |
| SID:Double-axis double-action | 40            |           | N: Adjustable stroke | Blank:without | CA:Rear cover fixing type (single lug)   |
| SIJ:Double-axis adjustable    | 50            | 10:10mm   |                      |               | CB:Rear cover fixed type (double lug)    |
|                               | 63            | 20:20mm   |                      |               | FA:Front cover fixed type (front flange) |
|                               | 80            | 30:30mm   |                      |               | FB:Rear cover fixed type (rear flange)   |
|                               | 100           | 40:40mm   |                      |               | LB:Leg Bracket type                      |
|                               | 125           | 50:50mm   |                      |               | TC:Swing type                            |
|                               | 160           | 75:75mm   |                      |               | TC-M:Swing type with foot stand          |
|                               | 200           | 100:100mm |                      |               |                                          |

## DNC/SE Series Standard Cylinder(StandardISO6431)



| DNC                     | 50 × 100      | -         | N                    | PPV                                  | A                                                | S2                                                                                      |
|-------------------------|---------------|-----------|----------------------|--------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------|
| Serial number           | Cylinder Bore | Stroke    | Wiring Mode          | Blank: No buffer<br>PPV: With buffer | Blank:Basic type<br>A:Built-in magneticring type | Blank:Basic type<br>(Single rod)<br>S2:Double rod<br>S3:Double rod<br>(Adjustable type) |
| DNC:Basic               | 32            |           | Blank: No adjustment |                                      |                                                  |                                                                                         |
| HNC:Axial Foot          | 40            |           | N: Adjustable stroke |                                      |                                                  |                                                                                         |
| FNC:Front and rear flan | 50            | 10:10mm   |                      |                                      |                                                  |                                                                                         |
| SNCB:Double lug         | 63            | 20:20mm   |                      |                                      |                                                  |                                                                                         |
| SNCL:Single Lug         | 80            | 30:30mm   |                      |                                      |                                                  |                                                                                         |
|                         | 100           | 40:40mm   |                      |                                      |                                                  |                                                                                         |
|                         | 125           | 50:50mm   |                      |                                      |                                                  |                                                                                         |
|                         | 160           | 75:75mm   |                      |                                      |                                                  |                                                                                         |
|                         | 200           | 100:100mm |                      |                                      |                                                  |                                                                                         |

MBB Series Standard Cylinder



| MBB                          | 50            | ×      | 100                  | -             | N                                        | S | FA |
|------------------------------|---------------|--------|----------------------|---------------|------------------------------------------|---|----|
| Spec Code                    | Cylinder Bore | Stroke | Wiring Mode          | Magnet code   | Fixed type                               |   |    |
| MBB: Basic                   | 32            |        | Blank: No adjustment | S:with magnet | Blank:Basic type                         |   |    |
| MDBB: Built-in magnetic ring | 40            |        | N: Adjustable stroke | Blank:without | CA:Rear cover fixing type (single lug)   |   |    |
|                              | 50            |        | 10:10mm              |               | CB:Rear cover fixed type (double lug)    |   |    |
|                              | 63            |        | 20:20mm              |               | FA:Front cover fixed type (front flange) |   |    |
|                              | 80            |        | 30:30mm              |               | FB:Rear cover fixed type (rear flange)   |   |    |
|                              | 100           |        | 40:40mm              |               | LB:Leg Bracket type                      |   |    |
|                              | 125           |        | 50:50mm              |               | TC:Swing type                            |   |    |
|                              |               |        | 75:75mm              |               | TC-M:Swing type with foot stand          |   |    |
|                              |               |        | 100:100mm            |               |                                          |   |    |

CA2 Series Standard Cylinder



| CA2                          | L                          | F                       | 50            | ×      | 100 |
|------------------------------|----------------------------|-------------------------|---------------|--------|-----|
| Spec Code                    | Mounting type              | Material                | Cylinder Bore | Stroke |     |
| CA2: Basic                   | B:Basic type               | Blank:Aluminum cylinder | 40            |        |     |
| CDA2: Built-in magnetic ring | L:Foot type                | F:Iron cylinder         | 50            |        |     |
|                              | F:Pole side flange type    |                         | 63            |        |     |
|                              | G:Non-rod side flange type |                         | 80            |        |     |
|                              | C:Single earring type      |                         | 100           |        |     |
|                              | D:Double trunnion type     |                         |               |        |     |
|                              | T:Center trunnion type     |                         |               |        |     |

MAL Series Slim Cylinder



| MAL                         | 32            | ×      | 50            | -                                        | S | - | FA |
|-----------------------------|---------------|--------|---------------|------------------------------------------|---|---|----|
| Spec Code                   | Cylinder Bore | Stroke | Magnet code   | Fixed type                               |   |   |    |
| MAL:Double-action           | 20            |        | S:with magnet | Blank:Basic type                         |   |   |    |
| MALD:Double-axis            | 25            |        | Blank:without | FA:Front cover fixed type (front flange) |   |   |    |
| MALJ:Double-axis adjustable | 32            |        |               | FB:Rear cover fixed type (rear flange)   |   |   |    |
|                             | 40            |        |               | LB:Leg Bracket type                      |   |   |    |
|                             |               |        |               | Blank:Swing tail type                    |   |   |    |
|                             |               |        |               | CM:Round tail type                       |   |   |    |
|                             |               |        |               | U:Flat tail type                         |   |   |    |

MA Series Stainless Steel Mini Cylinder



| MA                              | 32            | ×      | 50            | -                                        | S | - | FA |
|---------------------------------|---------------|--------|---------------|------------------------------------------|---|---|----|
| Spec Code                       | Cylinder Bore | Stroke | Magnet code   | Fixed type                               |   |   |    |
| MA:Double-action                | 16            |        | S:with magnet | Blank:Basic type                         |   |   |    |
| MAC:Double-action cushion type  | 20            |        | Blank:without | FA:Front cover fixed type (front flange) |   |   |    |
| MAD:Twin-axis type              | 25            |        |               | FB:Rear cover fixed type (rear flange)   |   |   |    |
| MAJ:Double-axis adjustable type | 32            |        |               | LB:Leg Bracket type                      |   |   |    |
|                                 | 40            |        |               | Blank:Swing tail type                    |   |   |    |
|                                 | 50            |        |               | CM:Round tail type                       |   |   |    |
|                                 | 63            |        |               | U:Flat tail type                         |   |   |    |

## CM2 Series Stainless Steel Mini Cylinder



| CM2                               | 20            | ×      | 50                   | -                                        | D | - | FA |
|-----------------------------------|---------------|--------|----------------------|------------------------------------------|---|---|----|
| Spec Code                         | Cylinder Bore | Stroke | Action type          | Fixed type                               |   |   |    |
| CDM2:Built-in magnetic ring type  | 20            |        | D:Double-action type | Blank:Basic type                         |   |   |    |
| CM2B:Double-action type           | 25            |        | S:Single-action      | FA:Front cover fixed type (front flange) |   |   |    |
| CM2BD:Double-axis type            | 32            |        | (pre-shrinkage type) | FB:Rear cover fixed type (rear flange)   |   |   |    |
| CM2BJ:Double-axis adjustable type | 40            |        | T:Single-action      | LB:Leg Bracket type                      |   |   |    |
|                                   |               |        | (pre-extension type) | Blank:Swing tail type                    |   |   |    |
|                                   |               |        |                      | CM:Round tail type                       |   |   |    |
|                                   |               |        |                      | U:Flat tail type                         |   |   |    |

## C85 Series Stainless Steel Mini Cylinder



| C85                               | 20            | ×      | 50                   | -                                        | D | - | FA |
|-----------------------------------|---------------|--------|----------------------|------------------------------------------|---|---|----|
| Spec Code                         | Cylinder Bore | Stroke | Action type          | Fixed type                               |   |   |    |
| C85:Without built-in              | 8             |        | D:Double-action type | Blank:Basic type                         |   |   |    |
| CD85:Built-in magnetic ring type  | 10            |        | S:Single-action      | FA:Front cover fixed type (front flange) |   |   |    |
| C85B:Double-action type           | 12            |        | (pre-shrinkage type) | FB:Rear cover fixed type (rear flange)   |   |   |    |
| C85BD:Double-axis type            | 16            |        | T:Single-action      | LB:Leg Bracket type                      |   |   |    |
| C85BJ:Double-axis adjustable type | 20            |        | (pre-extension type) | Blank:Swing tail type                    |   |   |    |
|                                   | 25            |        |                      | CM:Round tail type                       |   |   |    |
|                                   |               |        |                      | U:Flat tail type                         |   |   |    |

## CJ2 Series Stainless Steel Mini Cylinder



| CJ2                              | B                                | -             | 6      | ×                    | 10 | - | S |
|----------------------------------|----------------------------------|---------------|--------|----------------------|----|---|---|
| Spec Code                        | Mounting type                    | Cylinder Bore | Stroke | Action type          |    |   |   |
| CJ2:Double-action                | B:Basic type                     | 6             |        | D:Double-action type |    |   |   |
| CDJ2:Built-in magnetic ring type | F:Rod side flange type           | 10            |        | S:Single-action      |    |   |   |
| CJ2D:Double-axis                 | L:Axial foot type                | 16            |        | (pre-shrinkage type) |    |   |   |
| CJ2J:Double-axis adjustable      | D:Double earring type(except φ6) |               |        | T:Single-action      |    |   |   |
|                                  |                                  |               |        | (pre-extension type) |    |   |   |

## CG1 Series Compact Cylinder



| CG1                               |                     | N             | 32     | × | 50 |
|-----------------------------------|---------------------|---------------|--------|---|----|
| Spec Code                         | Cushioning          | Cylinder Bore | Stroke |   |    |
| CG1B:Basic type                   | N:Rubber cushioning | 20            |        |   |    |
| CDG1B:Built-in magnetic ring type | A:Air cushioning    | 25            |        |   |    |
|                                   |                     | 32            |        |   |    |
|                                   |                     | 40            |        |   |    |
|                                   |                     | 50            |        |   |    |
|                                   |                     | 63            |        |   |    |
|                                   |                     | 80            |        |   |    |
|                                   |                     | 100           |        |   |    |

CJ1B series miniature Cylinder



| CJ1 4 × 10 - S - U4               |               |        |                                 |                   |
|-----------------------------------|---------------|--------|---------------------------------|-------------------|
| Spec Code                         | Cylinder Bore | Stroke | Movement pattern                | Suitable gas pipe |
| CJ1B:Basic type                   | 2:φ2.5mm      |        | Unmarked: single rod,           | φ2.5mm            |
| CDJ1B:Built-in magnetic ring type | 4:φ4mm        |        | double acting(Only φ4)          | φ4mm              |
|                                   |               |        | S: Single-acting, spring return |                   |

CJP(Single acting) Series pin Cylinder



| CJPB 10 × 5 - B              |               |        |                    |
|------------------------------|---------------|--------|--------------------|
| Spec Code                    | Cylinder Bore | Stroke | Threads on rod end |
| CJPB:Panel mounting type     | 6             |        | Blank: Threaded    |
| CJPS: Built-in mounting type | 10            |        | B: Unthreaded      |
|                              | 15            |        |                    |

CJP(Double acting) Series pin Cylinder



| CJPB 10 × 5 - D B             |               |        |              |                    |
|-------------------------------|---------------|--------|--------------|--------------------|
| Spec Code                     | Cylinder Bore | Stroke | Difunctional | Threads on rod end |
| CJPB:Basic type               | 6             |        |              | Blank: Threaded    |
| CJPF: Single earring type     | 10            |        |              | B: Unthreaded      |
| CJPF:Flange type              | 15            |        |              |                    |
| CJPL: Pedestal type           |               |        |              |                    |
| CJPT:Trunnion type            |               |        |              |                    |
| CDJPB: Built-in magnetic ring |               |        |              |                    |

CQ2 Series Compact Cylinder



| CQ2B B - 32 × 50 D - M           |                                                       |                                   |        |                                                                              |                                                              |
|----------------------------------|-------------------------------------------------------|-----------------------------------|--------|------------------------------------------------------------------------------|--------------------------------------------------------------|
| Spec Code                        | Mounting type                                         | Cylinder Bore                     | Stroke | Action type                                                                  | Available options                                            |
| CQ2B:Basic type                  | B: Through hole                                       | 12 40                             |        | D:Double-action type                                                         | Blank: Rod end with female thread (standard type)            |
| CDQ2:Built-in magnetic ring type | andscrew holes at bothends are shared (standard type) | 16 50<br>20 63<br>25 80<br>32 100 |        | S:Single-action (pre-shrinkage type)<br>T:Single-action (pre-extension type) | M: Rod end with male thread<br>C:Rubber cushion*             |
|                                  |                                                       |                                   |        |                                                                              | *Rubber cushion is not availablefor single-acting cylinders. |

CQSB series compact Cylinder



| CQS                |                     | B             | -      | 12                   | × | 10                       | - | D | M |
|--------------------|---------------------|---------------|--------|----------------------|---|--------------------------|---|---|---|
| Spec Code          | Mounting type       | Cylinder Bore | Stroke | Action type          |   | Available options        |   |   |   |
| CQS:No built-in    | B:Through hole      | 12            |        | D:Double-action type |   | Blank:With female thread |   |   |   |
| CDQS:Built-in      | (standard)          | 16            |        | S:Single-action      |   | (standard type)          |   |   |   |
| magnetic ring type | L:Pedestal type     | 20            |        | (pre-shrinkage type) |   | M:With male thread       |   |   |   |
|                    | F:Rod side with     | 25            |        | T:Single-action      |   |                          |   |   |   |
|                    | flange type         |               |        | (pre-extension type) |   |                          |   |   |   |
|                    | G:Rod side without  |               |        |                      |   |                          |   |   |   |
|                    | flange              |               |        |                      |   |                          |   |   |   |
|                    | Double earring type |               |        |                      |   |                          |   |   |   |

SDA Series compact Cylinder



| SDA                 |                      | S             | -   | 32     | ×                          | 50 | - | N                    | B |
|---------------------|----------------------|---------------|-----|--------|----------------------------|----|---|----------------------|---|
| Spec Code           | Magnet code          | Cylinder Bore |     | Stroke | Adjustable stroke distance |    |   | Threads on rod end   |   |
| SDA:Double acting   | Blank:without magnet | 12            | 40  |        | Blank: No adjustment       |    |   | Blank: Female thread |   |
| type                | S:with magnet        | 16            | 50  |        | (Standard)                 |    |   | B: male thread       |   |
| SDAD:Dual axis      |                      | 20            | 63  |        | N: Adjustable stroke       |    |   | N: Unthreaded        |   |
| SDAJ:Dual axis      |                      | 25            | 80  |        | distance                   |    |   |                      |   |
| adjustable          |                      | 32            | 100 |        | 10:10mm                    |    |   |                      |   |
| SDAT:Multi-position |                      |               |     |        | 20:20mm                    |    |   |                      |   |
| double-action type  |                      |               |     |        | 30:30mm                    |    |   |                      |   |
|                     |                      |               |     |        | 40:40mm                    |    |   |                      |   |
|                     |                      |               |     |        | 50:50mm                    |    |   |                      |   |

ADVU,ACP Series thin Cylinder



| ADVU      |               | 20     | ×                                      | 20 | -                                         | A | P                           | A |
|-----------|---------------|--------|----------------------------------------|----|-------------------------------------------|---|-----------------------------|---|
| Spec Code | Cylinder Bore | Stroke | Threads on rod end                     |    | Buffering                                 |   | Postion sensing             |   |
|           |               |        | Blank: Female thread<br>A: male thread |    | P: Non-adjustable<br>buffers at both ends |   | A: By approaching<br>sensor |   |

ADN,ACE Series thin Cylinder



| ADN       | 30            | ×      | 30                  | 30            | -                          | S          | B               | A | G |
|-----------|---------------|--------|---------------------|---------------|----------------------------|------------|-----------------|---|---|
| Spec Code | Cylinder Bore | Stroke | Adjusting the stoke | Magnet code   | Piston rod tooth type      | Fixed type | Tooth type code |   |   |
|           |               |        | 10:10mm             | Blank:without | Blank: Internal tooth type |            | Blank: PT tooth |   |   |
|           |               |        | 20:20mm             | S:with magnet | B: External tooth type     |            | G:G teeth       |   |   |
|           |               |        | 30:30mm             |               |                            |            | T:NPT tooth     |   |   |
|           |               |        | 40:40mm             |               |                            |            |                 |   |   |
|           |               |        | 50:50mm             |               |                            |            |                 |   |   |
|           |               |        | 75:75mm             |               |                            |            |                 |   |   |
|           |               |        | 100:100mm           |               |                            |            |                 |   |   |

CQMB Series Compact Cylinder



| CDQM                               | B                          | 20        | □           | 10     | M9B                                                               | S                           |
|------------------------------------|----------------------------|-----------|-------------|--------|-------------------------------------------------------------------|-----------------------------|
| Built-in Magnetic Ring             | Installation form          | Port Size | Thread type | Stroke | Magnetic switch model                                             | Number of magnetic switches |
| No mark: No built-in magnetic ring | B:Through hole (standard)  | 12        |             |        | No mark: non-magnetic                                             | No mark: 2                  |
| D:built-in magnetic ring           | A:Screw holes on both ends | 16        |             |        | *See the table below for magnetic switch models                   | S:1                         |
|                                    |                            | 20        |             |        | *This item is not available if there is no built-in magnetic ring | N: N switches               |
|                                    |                            | 25        |             |        |                                                                   |                             |
|                                    |                            | 32        |             |        |                                                                   |                             |
|                                    |                            | 40        |             |        |                                                                   |                             |
|                                    |                            | 50        |             |        |                                                                   |                             |
|                                    |                            | 63        |             |        |                                                                   |                             |
|                                    |                            | 80        |             |        |                                                                   |                             |
|                                    |                            | 100       |             |        |                                                                   |                             |

RQ Series Compact Cylinder



| RDQB                               | B                          | 20        | □           | 10     | □                  | M9B                                                               | S                           |
|------------------------------------|----------------------------|-----------|-------------|--------|--------------------|-------------------------------------------------------------------|-----------------------------|
| Built-in Magnetic Ring             | Installation form          | Port Size | Thread type | Stroke | threads on rod end | Magnetic switch model                                             | Number of magnetic switches |
| No mark: No built-in magnetic ring | B:Through hole (standard)  | 12        |             |        |                    | No mark: non-magnetic                                             | No mark: 2                  |
| D:built-in magnetic ring           | A:Screw holes on both ends | 16        |             |        |                    | *See the table below for magnetic switch models                   | S:1                         |
|                                    |                            | 20        |             |        |                    | *This item is not available if there is no built-in magnetic ring | N: N switches               |
|                                    |                            | 25        |             |        |                    |                                                                   |                             |
|                                    |                            | 32        |             |        |                    |                                                                   |                             |
|                                    |                            | 40        |             |        |                    |                                                                   |                             |
|                                    |                            | 50        |             |        |                    |                                                                   |                             |
|                                    |                            | 63        |             |        |                    |                                                                   |                             |
|                                    |                            | 80        |             |        |                    |                                                                   |                             |
|                                    |                            | 100       |             |        |                    |                                                                   |                             |

MSQ(HRQ) series swing cylinder(rack and pinion)



| MSQB                     | □         | A                               | E                        |
|--------------------------|-----------|---------------------------------|--------------------------|
| Serial number            | Port Size | Optional                        | Connection port position |
| MSQA:High precision type | 10        | AJPB:Bolt with angle adjustment | Blank: Side              |
| MSQB:Basic type          | 20        | RJPF: Buffer with oil pressure  | E: Front                 |
|                          | 30        |                                 |                          |
|                          | 50        |                                 |                          |
|                          | 70        |                                 |                          |
|                          | 100       |                                 |                          |
|                          | 200       |                                 |                          |

CRQ2 series of thin swing cylinder (rack and pinion)



| CDRQ2                             | B                 | S               | 20            | 90          | C                                                      |
|-----------------------------------|-------------------|-----------------|---------------|-------------|--------------------------------------------------------|
| Serial number                     | Installation type | Shaft type      | Cylinder Bore | Swing angle | Optional                                               |
| CRQ2:Basic type                   | B:Basic type      | CRQ2:Basic type | 10:10mm       | 90:90°      | Unmarked: no buffering                                 |
| CDRO2:Built-in magnetic ring type |                   | CDRQ2:Built-in  | 15:15mm       | 180:180°    | C:Air buffer (limited to Φ20, Φ30, Φ40)                |
|                                   |                   |                 | 20:20mm       |             | D:Use D-90AL,D93AL magnetic switch (only for Φ10, Φ15) |
|                                   |                   |                 | 30:30mm       |             |                                                        |
|                                   |                   |                 | 40:40mm       |             |                                                        |