

## SC standard cylinder

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### Product description:

SC standard cylinder ----- standard air cylinder has the advantages: standard design, simple structure, low starting pressure, smooth motion, good seal performance and long working life. SU cylinder is improved from SC cylinder. SU hide the pillars, to make the cylinder more tidy and beautiful. SCD is double-rod and SCJ is adjustable double-rod.

### Ordering Code

|          |                                 |             |                   |            |                      |   |    |
|----------|---------------------------------|-------------|-------------------|------------|----------------------|---|----|
| SC       | J                               | 50X         | 50 - 25           | -          | S                    | - | FA |
|          |                                 |             |                   |            |                      |   |    |
| Type     | Standard Double Action Cylinder | Stroke      | SC(U)J:Adjustable | Magnet     | Fixed Type           |   |    |
| SC:      | PullID:Double-shaft DoubleBore  | stroke Type |                   | Code       | Blank:Basic Type     |   |    |
| Rod Type | Action                          |             |                   | Not Attach | LB: Front and Back   |   |    |
| Su:      | J:Double-shaft And              |             |                   | Magnet     | Fixed Type           |   |    |
| Hidden   | Adjustable Stroke Type          |             |                   | S:Attach   | FA:Front Cover Fixed |   |    |
| Pull     |                                 |             |                   | Magnet     | Type(Front Flange    |   |    |
| Rod Type |                                 |             |                   |            | Type)                |   |    |
|          |                                 |             |                   |            | FB: Back cover Fixed |   |    |
|          |                                 |             |                   |            | Type                 |   |    |
|          |                                 |             |                   |            | CB: Back cover Fixed |   |    |
|          |                                 |             |                   |            | Type                 |   |    |
|          |                                 |             |                   |            | (Double Earring)     |   |    |
|          |                                 |             |                   |            | TC: Swing Type       |   |    |
|          |                                 |             |                   |            | TC-M: Swing Type     |   |    |
|          |                                 |             |                   |            | Attaching            |   |    |
|          |                                 |             |                   |            | Foot Seat            |   |    |

### Specification

|                |  |    |    |    |    |     |     |
|----------------|--|----|----|----|----|-----|-----|
| Bore(mm)       | 32   | 40 | 50 | 63 | 80 | 100 | 125 |
| Motion Pattern | Double Action  |    |    |    |    |     |     |
| Working Medium | Air  |    |    |    |    |     |     |
| Fixed Type     | Basic Type FA Type FB Type CA Type CB Type LB Type TC Type TC-M Type |    |    |    |    |     |     |

Operating Voltage Range 1~9Kgf/cm<sup>2</sup>

Ensured Pressure 13.5Kgf/cm<sup>2</sup>  
Resistance

Operating Temperature 0~70°C  
Range

Operating Speed Range 50~800mm/s

Buffer Stroke Adjustable Buffer

Buffer Stroke 20 25

Joint Pipe Bore G1/8 G1/4 G3/8 G1/2

SCD、SCJ Fixed Type: FA、FB、LB、TC、TC-M。

Cylinder Theory Output Sheet

| Cylinder Diameter                  | Inside        |           |               |           |               |           |               |           |
|------------------------------------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
|                                    | 32            | 40        | 50            | 63        |               |           |               |           |
| External Diameter of Piston Rod    | 12            | 16        | 20            | 20        |               |           |               |           |
| Motion Patten                      | Double Action |           | Double Action |           | Double Action |           | Double Action |           |
|                                    | pressure side | Pull Side | pressure side | Pull Side | pressure side | Pull Side | pressure side | Pull Side |
| Air Pressure(Kgf/cm <sup>2</sup> ) | 8.04          | 6.9       | 12.56         | 10.55     | 19.63         | 16.49     | 31.17         | 28.03     |
|                                    | 18.04         | 6.9       | 12.56         | 10.55     | 19.63         | 16.49     | 31.17         | 28.03     |
|                                    | 216.08        | 13.8      | 25.12         | 21.1      | 39.26         | 32.98     | 62.34         | 56.06     |
|                                    | 324.12        | 20.7      | 37.68         | 31.65     | 58.89         | 49.47     | 93.51         | 84.09     |
|                                    | 432.16        | 27.6      | 50.24         | 42.20     | 78.52         | 65.96     | 124.68        | 112.12    |
|                                    | 540.20        | 34.5      | 62.80         | 52.75     | 98.15         | 82.45     | 155.85        | 140.15    |
|                                    | 648.24        | 41.4      | 75.36         | 63.30     | 117.78        | 98.94     | 187.02        | 168.18    |
|                                    | 756.28        | 48.3      | 87.92         | 73.85     | 137.41        | 115.43    | 218.19        | 196.21    |
| 864.32                             | 55.2          | 100.48    | 84.40         | 157.04    | 131.92        | 249.36    | 224.24        |           |
| 972.36                             | 62.1          | 113.04    | 94.95         | 176.67    | 148.41        | 280.53    | 252.27        |           |

| Cylinder Inside Diameter        | 80            |           | 100           |           | 125           |           |
|---------------------------------|---------------|-----------|---------------|-----------|---------------|-----------|
|                                 | pressure side | Pull Side | pressure side | Pull Side | pressure side | Pull Side |
| External Diameter of Piston Rod | 25            | 25        | 25            | 25        | 35            | 35        |
| Motion Patten                   | Double Action |           | Double Action |           | Double Action |           |
|                                 | pressure side | Pull Side | pressure side | Pull Side | pressure side | Pull Side |
| Compression Area                | 50.26         | 45.36     | 78.53         | 73.62     | 122.7         | 114.6     |

|                       |   |        |        |        |        |        |        |
|-----------------------|---|--------|--------|--------|--------|--------|--------|
| Air Pressure(Kgf/cm2) | 1 | 50.26  | 45.36  | 78.53  | 73.62  | 122.7  | 114.6  |
|                       | 2 | 100.52 | 90.72  | 157.06 | 147.24 | 245.4  | 229.2  |
|                       | 3 | 150.78 | 136.08 | 235.59 | 220.86 | 368.1  | 343.8  |
|                       | 4 | 201.04 | 181.44 | 314.12 | 294.48 | 490.8  | 458.4  |
|                       | 5 | 251.30 | 226.80 | 392.65 | 368.10 | 613.5  | 573.0  |
|                       | 6 | 301.56 | 272.16 | 471.18 | 441.72 | 736.2  | 687.6  |
|                       | 7 | 351.82 | 317.52 | 549.71 | 515.34 | 858.9  | 802.2  |
|                       | 8 | 402.08 | 362.88 | 628.24 | 588.96 | 981.6  | 916.8  |
|                       | 9 | 452.34 | 408.24 | 706.77 | 662.58 | 1104.3 | 1031.4 |

### Stroke

| Bore(mm) | Standard Stroke  | Max. Stroke | Permissible Stroke |
|----------|--|-------------|--------------------|
| 32       | 25 50 75 100 125 150 175 200 250 300 350 400 450 500                         | 1000        | 2000               |
| 40       | 25 50 75 100 125 150 175 200 250 300 350 400 450 500 600 700 800             | 1200        | 2000               |
| 50       | 25 50 75 100 125 150 175 200 250 300 350 400 450 500 600 700 800 900<br>1000 | 1200        | 2000               |
| 63       |  |             |                    |

### Company Information:

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