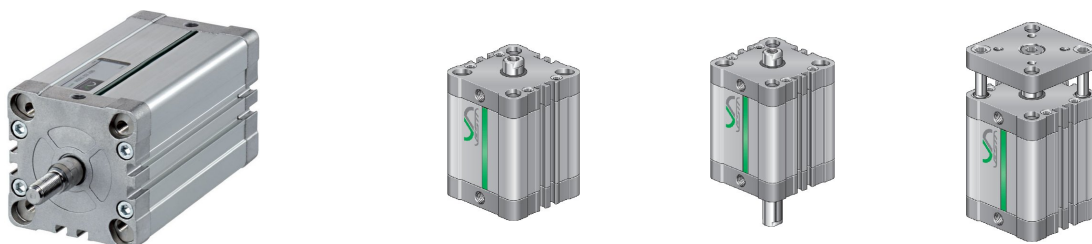


## Compact solenoid cylinder with accessories Series NSK



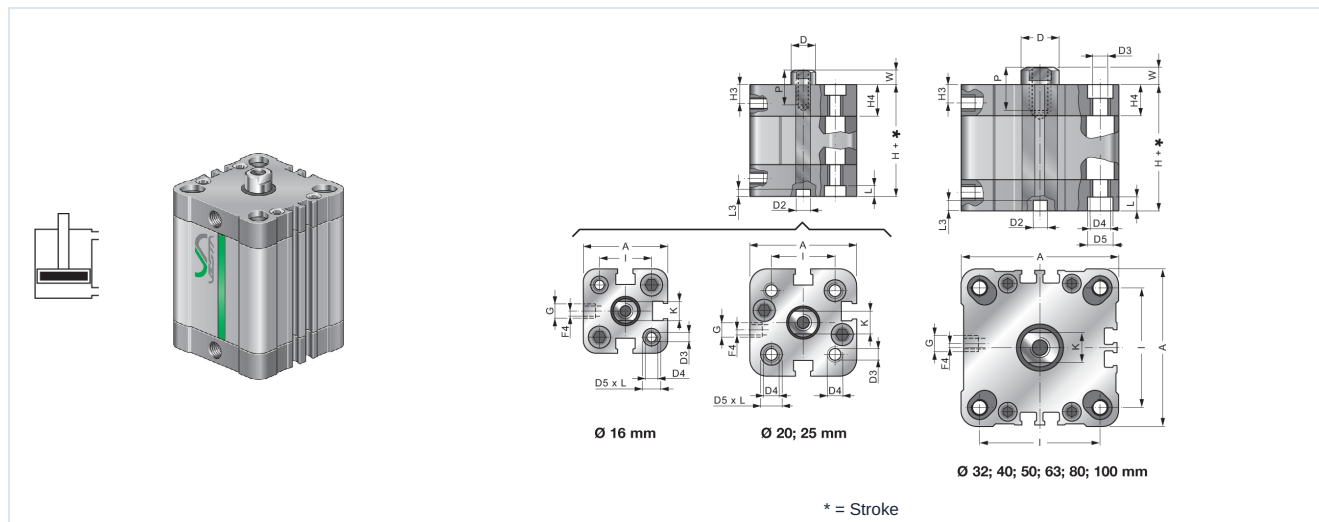
|                            |                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Design type                | Compact solenoid cylinder optionally according to UNITOP standard or ISO 21287                                                             |
| Heads                      | High-pressure die casting Aluminium alloy                                                                                                  |
| Piston rod                 | Ø16 ÷ 25 Stainless steel 1.4401, Ø32 ÷ 100 Stainless steel 1.4021                                                                          |
| Cylinder tube              | Aluminium profile hard anodized                                                                                                            |
| Seals                      | Polyurethane                                                                                                                               |
| Stopper                    | mechanical                                                                                                                                 |
| Ambient temperature        | -20°C...+80°C (-25°C...+120°C for version High-temperature polyurethane complete)                                                          |
| Medium temperature         | 0°C...+30°C                                                                                                                                |
| Lubrication                | not necessary                                                                                                                              |
| Medium                     | filtered compressed air                                                                                                                    |
| maximum operating pressure | 10bar                                                                                                                                      |
| Note                       | CAD files are available in the STASTO Store at <a href="http://www.stasto.eu">www.stasto.eu</a><br>Solenoid switch see separate data sheet |

### Type code

| NSK | —           | — —      | — — —       | — —             | — — —                                            |
|-----|-------------|----------|-------------|-----------------|--------------------------------------------------|
|     | U UNITOP    | 16 Ø16   | Stroke [mm] | F Female thread | double-acting                                    |
|     | I ISO 21287 | 20 Ø20   |             | M Male thread   | SEA single-acting Front spring                   |
|     |             | 25 Ø25   |             |                 | SEP single-acting Rear spring                    |
|     |             | 32 Ø32   |             |                 | P continuous piston rod                          |
|     |             | 40 Ø40   |             |                 | AR anti-rotation secured                         |
|     |             | 50 Ø50   |             |                 | VS High-temperature polyurethane Piston rod seal |
|     |             | 63 Ø63   |             |                 | VV High-temperature polyurethane complete        |
|     |             | 80 Ø80   |             |                 |                                                  |
|     |             | 100 Ø100 |             |                 |                                                  |



## NSK . - ... double-acting



| Ø   | A     | ØD | ØD2 | ØD3 | ØD4<br>UNITOP/ISO | ØD5<br>UNITOP/ISO | G    | H3  | H4   | I<br>UNITOP/ISO | K  | L   | L3  | W<br>UNITOP/ISO | F4 | H<br>UNITOP/ISO |
|-----|-------|----|-----|-----|-------------------|-------------------|------|-----|------|-----------------|----|-----|-----|-----------------|----|-----------------|
| 16  | 29,2  | 8  | 6   | 3,3 | M4                | 6                 | M5   | 7   | 12,8 | 18              | 6  | 3,5 | 2,2 | 4,5             | 0  | 38/37 (± 0,5)   |
| 20  | 37    | 10 | 6   | 4,2 | M5                | 7,5               | M5   | 7   | 12,3 | 22              | 8  | 4,2 | 2,5 | 4,5/6           | 4  | 38/37 (± 0,5)   |
| 25  | 41    | 10 | 6   | 4,2 | M5                | 7,5               | M5   | 7,5 | 13,5 | 26              | 8  | 4,2 | 2,5 | 5,5/6           | 3  | 39,5/39 (± 0,5) |
| 32  | 49,2  | 12 | 6   | 5,2 | M6                | 9                 | G1/8 | 7,5 | 15   | 32/32,5         | 10 | 4,5 | 2   | 6/7             | 0  | 44,5/44 (± 0,5) |
| 40  | 57,2  | 12 | 6   | 5,2 | M6                | 9                 | G1/8 | 7,5 | 15   | 42/38           | 10 | 4,2 | 2   | 6,5/7           | 0  | 45,5/45 (± 0,7) |
| 50  | 67    | 16 | 8   | 6,7 | M8                | 10,5              | G1/8 | 7,5 | 14,6 | 50/46,5         | 13 | 4,7 | 2,5 | 7,58            | 0  | 45,5/45 (± 0,7) |
| 63  | 80    | 16 | 8   | 6,7 | M10/M8            | 13,5/10,5         | G1/8 | 8   | 15,5 | 62/56,5         | 13 | 5,2 | 2,5 | 7,58            | 0  | 50/49 (± 0,8)   |
| 80  | 102,6 | 20 | 8   | 8,5 | M10               | 13,5              | G1/8 | 9   | 17   | 82/72           | 17 | 5,2 | 2,5 | 8/10            | 0  | 56/54 (± 0,8)   |
| 100 | 124   | 25 | 8   | 8,5 | M10               | 13,5              | G1/4 | 10  | 20   | 103/89          | 22 | 5,2 | 3   | 10              | 0  | 66,5/67 (± 1)   |

## NSK . - ... P continuous piston rod

|  |  | Ø 16; 20; 25 mm | Ø 32; 40; 50; 63; 80; 100 mm | Ø   | W<br>UNITOP/ISO | H<br>UNITOP/ISO |
|--|--|-----------------|------------------------------|-----|-----------------|-----------------|
|  |  |                 |                              | 16  | 4,5             | 38/37 (± 0,5)   |
|  |  |                 |                              | 20  | 4,5/6           | 38/37 (± 0,5)   |
|  |  |                 |                              | 25  | 5,5/6           | 39,5/39 (± 0,5) |
|  |  |                 |                              | 32  | 6/7             | 44,5/44 (± 0,5) |
|  |  |                 |                              | 40  | 6,5/7           | 45,5/45 (± 0,7) |
|  |  |                 |                              | 50  | 7,5/8           | 45,5/45 (± 0,7) |
|  |  |                 |                              | 63  | 7,5/8           | 50/49 (± 0,8)   |
|  |  |                 |                              | 80  | 8/10            | 56/54 (± 0,8)   |
|  |  |                 |                              | 100 | 10              | 66,5/67 (± 1)   |

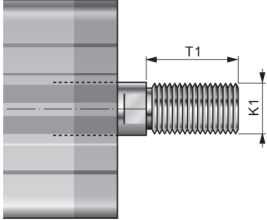
\* = Stroke

## NSK . - .... F Piston rod with female thread

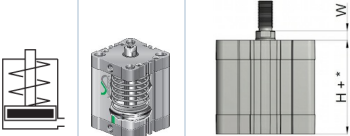
|  |  | Ø   | ØD1<br>UNITOP/ISO | P<br>UNITOP/ISO |
|--|--|-----|-------------------|-----------------|
|  |  | 16  | M4                | 8               |
|  |  | 20  | M5/M6             | 10              |
|  |  | 25  | M5/M6             | 10              |
|  |  | 32  | M6/M8             | 12              |
|  |  | 40  | M6/M8             | 12              |
|  |  | 50  | M8/M10            | 12/16           |
|  |  | 63  | M8/M10            | 14/16           |
|  |  | 80  | M10/M12           | 15/20           |
|  |  | 100 | M12               | 20              |



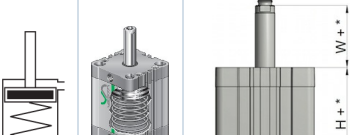
NSK . - .... M Piston rod with external thread

|  | Ø   | ØK1<br>UNITOP/ISO | T1<br>UNITOP/ISO |
|-----------------------------------------------------------------------------------|-----|-------------------|------------------|
|                                                                                   | 16  | M8x1,25/M6x1      | 20/12            |
|                                                                                   | 20  | M10x1,25/M8x1,25  | 22/16            |
|                                                                                   | 25  | M10x1,25/M8x1,25  | 22/16            |
|                                                                                   | 32  | M10x1,25          | 22/19            |
|                                                                                   | 40  | M10x1,25          | 22/19            |
|                                                                                   | 50  | M12x1,25          | 24/22            |
|                                                                                   | 63  | M12x1,25          | 24/22            |
|                                                                                   | 80  | M16x1,5           | 32/28            |
|                                                                                   | 100 | M20x1,5/M16x1,5   | 40/28            |

NSK . - .. SEA single-acting Front spring

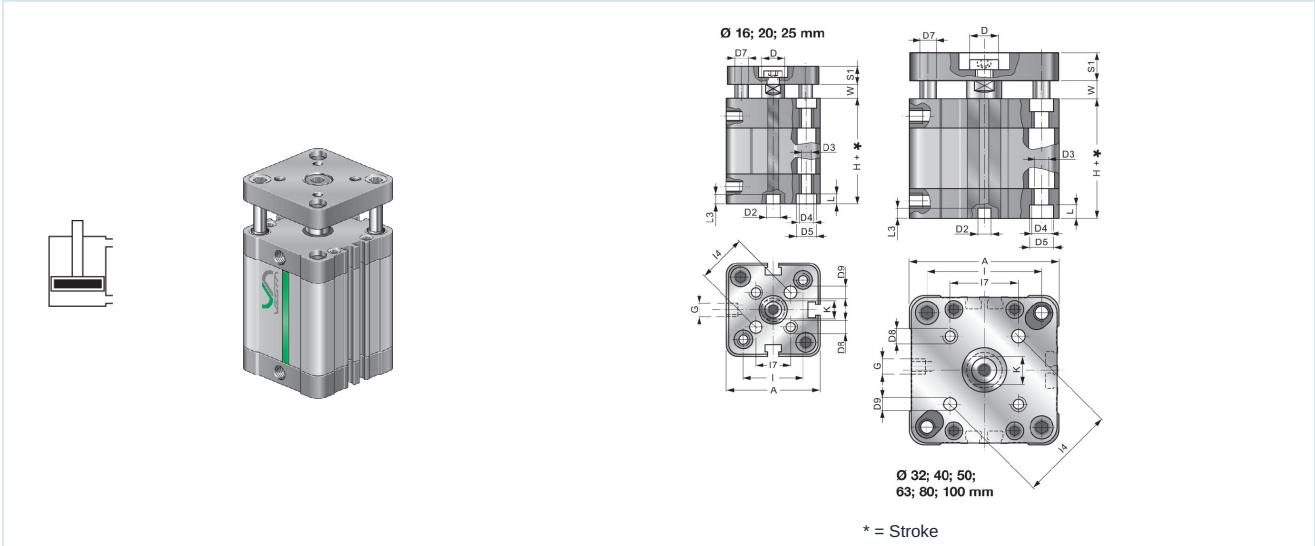
|  | Ø   | Spring force [N] |      | H (Stroke 0-25mm)<br>UNITOP/ISO | H (Stroke 26-50mm)<br>UNITOP/ISO | W<br>UNITOP/ISO |
|-----------------------------------------------------------------------------------|-----|------------------|------|---------------------------------|----------------------------------|-----------------|
|                                                                                   |     | max.             | min. |                                 |                                  |                 |
|                                                                                   | 16  | 21               | 12   | 38/37 (± 0,5)                   | 48/47 (± 0,5)                    | 4,5             |
|                                                                                   | 20  | 39               | 22   | 38/37 (± 0,5)                   | 48/47 (± 0,5)                    | 4,5/6           |
|                                                                                   | 25  | 45               | 28   | 39,5/39 (± 0,5)                 | 59,5/59 (± 0,5)                  | 5,5/6           |
|                                                                                   | 32  | 45               | 28   | 44,5/44 (± 0,5)                 | 64,5/64 (± 0,5)                  | 6/7             |
|                                                                                   | 40  | 61               | 39   | 45,5/45 (± 0,7)                 | 65,5/65 (± 0,7)                  | 6,5/7           |
|                                                                                   | 50  | 90               | 58   | 45,5/45 (± 0,7)                 | 65,5/65 (± 0,7)                  | 7,5/8           |
|                                                                                   | 63  | 95               | 62   | 50/49 (± 0,8)                   | 70/69 (± 0,8)                    | 7,5/8           |
|                                                                                   | 80  | 150              | 115  | 56/54 (± 0,8)                   | 86/84 (± 0,8)                    | 8/10            |
|                                                                                   | 100 | 160              | 125  | 66,5/67 (± 1)                   | 96,5/97 (± 1)                    | 10              |

NSK . - .. SEP single-acting Rear spring

|  | Ø   | Spring force [N] |      | H (Stroke 0-25mm)<br>UNITOP/ISO | H (Stroke 26-50mm)<br>UNITOP/ISO | W<br>UNITOP/ISO |
|-------------------------------------------------------------------------------------|-----|------------------|------|---------------------------------|----------------------------------|-----------------|
|                                                                                     |     | max.             | min. |                                 |                                  |                 |
|                                                                                     | 16  | 21               | 12   | 38/37 (± 0,5)                   | 48/47 (± 0,5)                    | 4,5             |
|                                                                                     | 20  | 39               | 22   | 38/37 (± 0,5)                   | 48/47 (± 0,5)                    | 4,5/6           |
|                                                                                     | 25  | 45               | 28   | 39,5/39 (± 0,5)                 | 59,5/59 (± 0,5)                  | 5,5/6           |
|                                                                                     | 32  | 45               | 28   | 44,5/44 (± 0,5)                 | 64,5/64 (± 0,5)                  | 6/7             |
|                                                                                     | 40  | 61               | 39   | 45,5/45 (± 0,7)                 | 65,5/65 (± 0,7)                  | 6,5/7           |
|                                                                                     | 50  | 90               | 58   | 45,5/45 (± 0,7)                 | 65,5/65 (± 0,7)                  | 7,5/8           |
|                                                                                     | 63  | 95               | 62   | 50/49 (± 0,8)                   | 70/69 (± 0,8)                    | 7,5/8           |
|                                                                                     | 80  | 150              | 115  | 56/54 (± 0,8)                   | 86/84 (± 0,8)                    | 8/10            |
|                                                                                     | 100 | 160              | 125  | 66,5/67 (± 1)                   | 96,5/97 (± 1)                    | 10              |

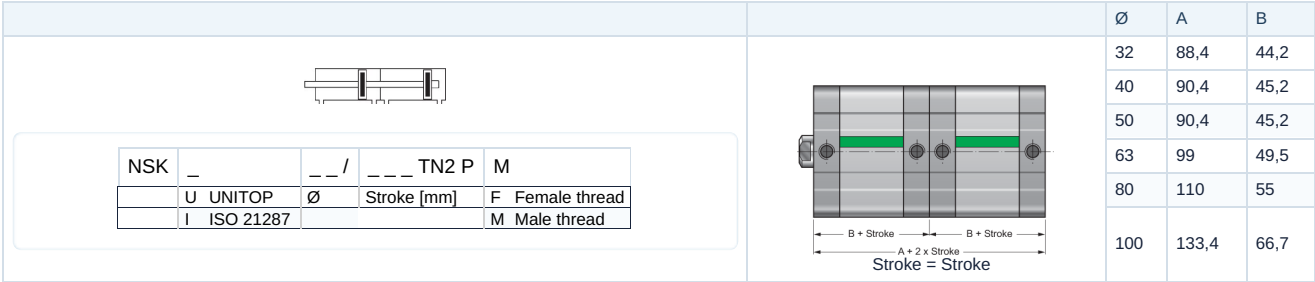


NSK . - .. AR double-acting anti-rotation secured

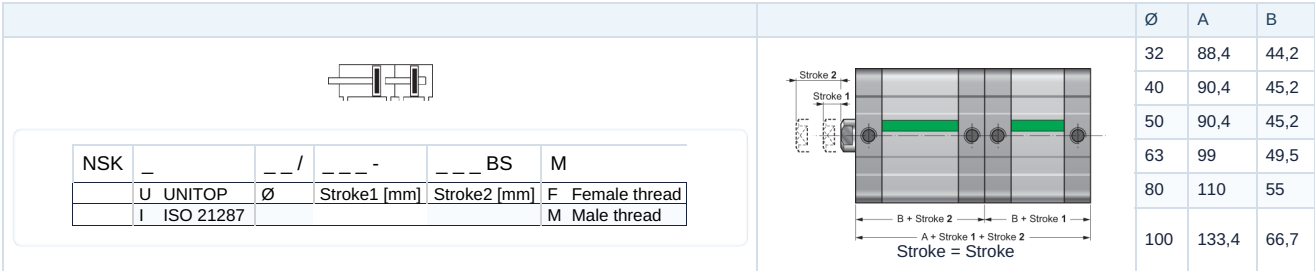


| Ø   | A     | ØD | ØD2 | ØD3<br>UNITOP/ISO | ØD4<br>UNITOP/ISO | ØD5<br>UNITOP/ISO | ØD7 | ØD8 | ØD9 | G    | I<br>UNITOP/ISO | I4 | I7   | K  | L   | L3  | S1 | W<br>UNITOP/ISO | H<br>UNITOP/ISO |
|-----|-------|----|-----|-------------------|-------------------|-------------------|-----|-----|-----|------|-----------------|----|------|----|-----|-----|----|-----------------|-----------------|
| 16  | 29,2  | 8  | 6   | 3,3               | M4                | 6                 | 5   | M3  | 3   | M5   | 18              | 14 | 9,9  | 6  | 3,5 | 2,2 | 6  | 4,5             | 38/37 (± 0,5)   |
| 20  | 37    | 10 | 6   | 4,2               | M5                | 7,5               | 5   | M4  | 4   | M5   | 22              | 17 | 12   | 8  | 4,2 | 2,5 | 8  | 4,5/6           | 38/37 (± 0,5)   |
| 25  | 41    | 10 | 6   | 4,2               | M5                | 7,5               | 6   | M5  | 5   | M5   | 26              | 22 | 15,6 | 8  | 4,2 | 2,5 | 8  | 5,5/6           | 39,5/39 (± 0,5) |
| 32  | 49,2  | 12 | 6   | 5,2               | M6                | 9                 | 8   | M5  | 5   | G1/8 | 32/32,5         | 28 | 19,8 | 10 | 4,5 | 2   | 10 | 6/7             | 44,5/44 (± 0,5) |
| 40  | 57,2  | 12 | 6   | 5,2               | M6                | 9                 | 10  | M5  | 5   | G1/8 | 42/38           | 33 | 23,3 | 10 | 4,2 | 2   | 10 | 6,5/7           | 45,5/45 (± 0,7) |
| 50  | 67    | 16 | 8   | 6,7               | M8                | 10,5              | 10  | M6  | 6   | G1/8 | 50/46,5         | 42 | 29,7 | 13 | 4,7 | 2,5 | 12 | 7,58            | 45,5/45 (± 0,7) |
| 63  | 80    | 16 | 8   | 8,5/6,7           | M10/M8            | 13,5/10,5         | 10  | M6  | 6   | G1/8 | 62/56,5         | 50 | 35,4 | 13 | 5,2 | 2,5 | 12 | 7,58            | 50/49 (± 0,8)   |
| 80  | 102,6 | 20 | 8   | 8,5               | M10               | 13,5              | 14  | M8  | 8   | G1/8 | 82/72           | 65 | 46   | 17 | 5,2 | 2,5 | 14 | 8/10            | 56/54 (± 0,8)   |
| 100 | 124   | 25 | 8   | 8,5               | M10               | 13,5              | 14  | M10 | 10  | G1/4 | 103/89          | 80 | 56,6 | 22 | 5,2 | 3   | 14 | 10              | 66,5/67 (± 1)   |

NSK ... TN2 ... Tandem



NSK ... BS ... Multi-position



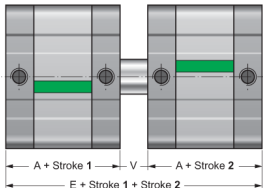
## NSK ... CNP ... Multi-position, bottom side

|     |             |         |              |              |                 |
|-----|-------------|---------|--------------|--------------|-----------------|
| NSK | _           | _ / _ - | _ -          | CNP          | M               |
|     | U UNITOP    | Ø       | Stroke1 [mm] | Stroke2 [mm] | F Female thread |
|     | I ISO 21287 |         |              |              | M Male thread   |

Stroke = Stroke

| Ø   | A     | B    |
|-----|-------|------|
| 16  | 76    | 38   |
| 20  | 76    | 38   |
| 25  | 79    | 39,5 |
| 32  | 88,4  | 44,2 |
| 40  | 90,4  | 45,2 |
| 50  | 90,4  | 45,2 |
| 63  | 99    | 49,5 |
| 80  | 110   | 55   |
| 100 | 133,4 | 66,7 |

## NSK ... CNF ... Multi-position, piston rod side

|                                                                                   |             |         |              |              |                                                                                    |   |   |   |     |       |      |    |  |  |
|-----------------------------------------------------------------------------------|-------------|---------|--------------|--------------|------------------------------------------------------------------------------------|---|---|---|-----|-------|------|----|--|--|
|                                                                                   |             |         |              |              |                                                                                    |   |   |   |     |       |      |    |  |  |
|  |             |         |              |              |  |   |   |   |     |       |      |    |  |  |
|                                                                                   |             |         |              |              | Stroke = Stroke                                                                    |   |   |   |     |       |      |    |  |  |
| NSK                                                                               | _           | _ / _ - | _ - CNF      |              | Ø                                                                                  | E | A | V | 16  | 85    | 38   | 9  |  |  |
|                                                                                   | U UNITOP    |         | Stroke1 [mm] | Stroke2 [mm] |                                                                                    |   |   |   | 20  | 85    | 38   | 9  |  |  |
|                                                                                   | I ISO 21287 |         |              |              |                                                                                    |   |   |   | 25  | 90    | 39,5 | 11 |  |  |
|                                                                                   |             |         |              |              |                                                                                    |   |   |   | 32  | 100,4 | 44,2 | 12 |  |  |
|                                                                                   |             |         |              |              |                                                                                    |   |   |   | 40  | 103,4 | 45,2 | 13 |  |  |
|                                                                                   |             |         |              |              |                                                                                    |   |   |   | 50  | 104,4 | 45,2 | 15 |  |  |
|                                                                                   |             |         |              |              |                                                                                    |   |   |   | 63  | 114   | 49,5 | 15 |  |  |
|                                                                                   |             |         |              |              |                                                                                    |   |   |   | 80  | 126   | 55   | 16 |  |  |
|                                                                                   |             |         |              |              |                                                                                    |   |   |   | 100 | 153,4 | 66,7 | 20 |  |  |

## Accessories

### SKCM / .. Lug mounting UNITOP

| Ø  | A3 | B3 | B4 | E2 | H    | I  | R1 | T   | T4 | Type    |
|----|----|----|----|----|------|----|----|-----|----|---------|
| 16 | 6  | 10 | 16 | 6  | 38   | 18 | 6  | 27  | 12 | SKCM/16 |
| 20 | 6  | 14 | 20 | 8  | 38   | 22 | 8  | 34  | 16 | SKCM/20 |
| 25 | 6  | 14 | 20 | 8  | 39,5 | 26 | 8  | 638 | 16 | SKCM/25 |

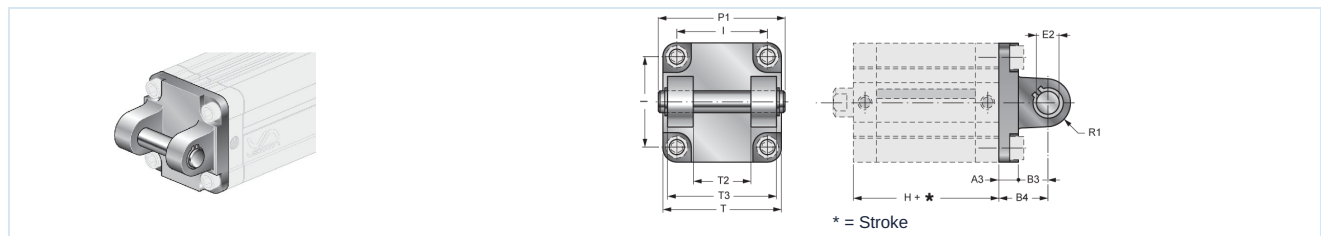
### XCM / .. Lug mounting ISO 15552

\* = Stroke

| Ø   | A2  | ØJ | M   | V1 | W  | Type    |
|-----|-----|----|-----|----|----|---------|
| 32  | 73  | 10 | 47  | 26 | 22 | XCM/32  |
| 40  | 77  | 12 | 54  | 28 | 25 | XCM/40  |
| 50  | 80  | 12 | 66  | 32 | 27 | XCM/50  |
| 63  | 89  | 16 | 78  | 40 | 32 | XCM/63  |
| 80  | 100 | 16 | 98  | 50 | 36 | XCM/80  |
| 100 | 118 | 20 | 115 | 60 | 41 | XCM/100 |

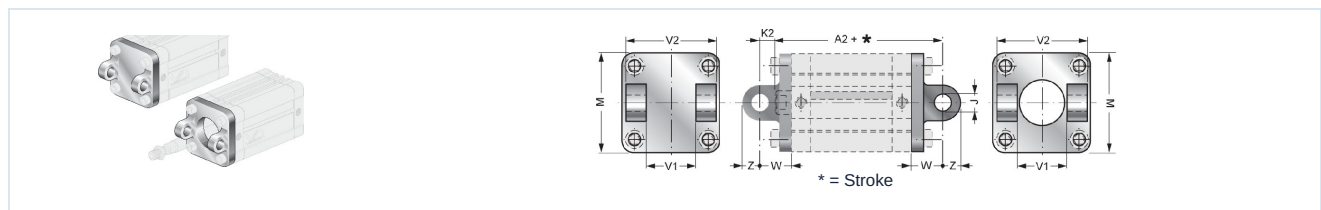


## SKCF / .. Clevis mounting UNITOP



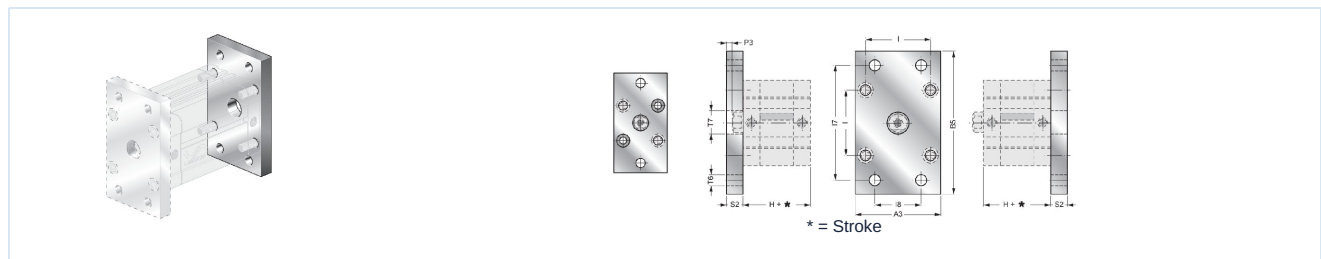
| Ø   | A3 | B3 | B4 | E2 | H    | I   | P1  | R1   | T   | T2 | T3  | Type     |
|-----|----|----|----|----|------|-----|-----|------|-----|----|-----|----------|
| 32  | 9  | 13 | 22 | 10 | 44,5 | 32  | 53  | 10   | 48  | 26 | 45  | SKCF/32  |
| 40  | 9  | 16 | 25 | 12 | 45,5 | 42  | 60  | 12,5 | 58  | 28 | 52  | SKCF/40  |
| 50  | 11 | 16 | 27 | 12 | 45,5 | 50  | 68  | 12,5 | 66  | 32 | 60  | SKCF/50  |
| 63  | 11 | 21 | 32 | 16 | 50   | 62  | 78  | 15   | 83  | 40 | 70  | SKCF/63  |
| 80  | 13 | 23 | 36 | 16 | 56   | 82  | 98  | 15   | 102 | 50 | 90  | SKCF/80  |
| 100 | 15 | 26 | 41 | 20 | 66,5 | 103 | 118 | 20   | 123 | 60 | 110 | SKCF/100 |

## XCF / .. Clevis mounting front and rear ISO 15552



| Ø   | A2  | ØJ | K2 | M   | V1 | V2  | W  | Z  | Type front | Type rear |
|-----|-----|----|----|-----|----|-----|----|----|------------|-----------|
| 32  | 73  | 10 | 15 | 45  | 26 | 45  | 22 | 11 | XCFA/32    | XCF/32    |
| 40  | 77  | 12 | 18 | 52  | 28 | 52  | 25 | 13 | XCFA/40    | XCF/40    |
| 50  | 80  | 12 | 19 | 65  | 32 | 60  | 27 | 13 | XCFA/50    | XCF/50    |
| 63  | 89  | 16 | 24 | 75  | 40 | 70  | 32 | 17 | XCFA/63    | XCF/63    |
| 80  | 100 | 16 | 26 | 95  | 50 | 90  | 36 | 17 | XCFA/80    | XCF/80    |
| 100 | 118 | 20 | 31 | 115 | 60 | 110 | 41 | 21 | XCFA/100   | XCF/100   |

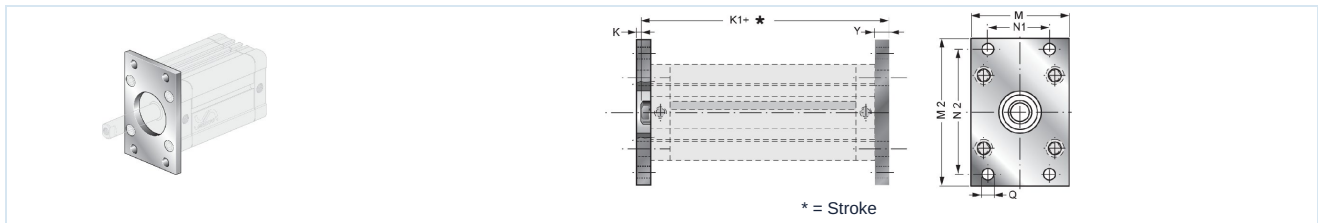
## SKFL / .. Flange mounting UNITOP



| Ø   | A3  | B5  | H    | I   | I7  | I8 | P3  | S2 | T6  | T7 | Type     |
|-----|-----|-----|------|-----|-----|----|-----|----|-----|----|----------|
| 16  | 29  | 55  | 38   | 18  | 43  | -  | 5,5 | 10 | 5,5 | 10 | SKFL/16  |
| 20  | 36  | 70  | 38   | 22  | 55  | -  | 5,5 | 10 | 6,5 | 12 | SKFL/20  |
| 25  | 40  | 76  | 39,5 | 26  | 60  | -  | 4,5 | 10 | 6,5 | 12 | SKFL/25  |
| 32  | 50  | 80  | 44,5 | 32  | 65  | 32 | 4   | 10 | 7   | 14 | SKFL/32  |
| 40  | 60  | 102 | 45,5 | 42  | 82  | 36 | 3,5 | 10 | 9   | 14 | SKFL/40  |
| 50  | 68  | 110 | 45,5 | 50  | 90  | 45 | 4,5 | 12 | 9   | 18 | SKFL/50  |
| 63  | 87  | 130 | 50   | 62  | 110 | 50 | 7,5 | 15 | 9   | 18 | SKFL/63  |
| 80  | 107 | 160 | 56   | 82  | 135 | 63 | 7   | 15 | 12  | 23 | SKFL/80  |
| 100 | 128 | 190 | 66,5 | 103 | 163 | 75 | 5   | 15 | 14  | 28 | SKFL/100 |

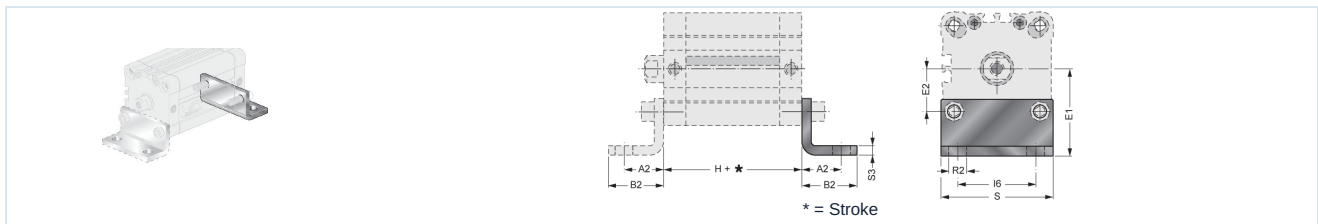


## XFL / .. Flange mounting ISO 15552



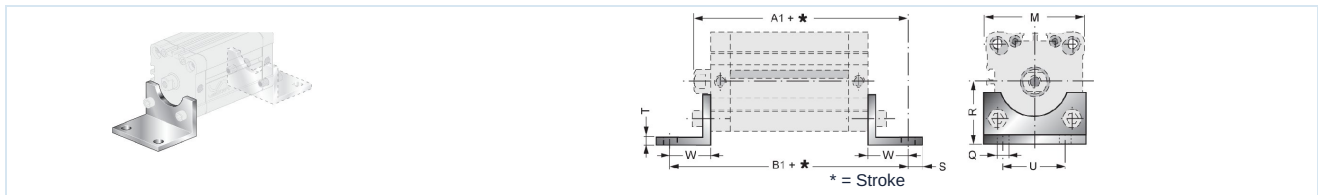
| Ø   | K | K1 | M   | M2  | N1 | N2  | ØQ | Y  | Type    |
|-----|---|----|-----|-----|----|-----|----|----|---------|
| 32  | 3 | 61 | 45  | 80  | 32 | 64  | 7  | 10 | XFL/32  |
| 40  | 3 | 62 | 52  | 90  | 36 | 72  | 9  | 10 | XFL/40  |
| 50  | 4 | 65 | 65  | 110 | 45 | 90  | 9  | 12 | XFL/50  |
| 63  | 4 | 69 | 75  | 120 | 50 | 100 | 9  | 12 | XFL/63  |
| 80  | 6 | 80 | 95  | 150 | 63 | 126 | 12 | 16 | XFL/80  |
| 100 | 6 | 93 | 115 | 170 | 75 | 150 | 14 | 16 | XFL/100 |

## SKP / .. Foot mounting UNITOP



| Ø   | A2 | B2   | E1   | E2   | H    | I6  | R2   | S   | S3 | Type    |
|-----|----|------|------|------|------|-----|------|-----|----|---------|
| 16  | 13 | 17,5 | 22   | 9    | 38   | 18  | 5,5  | 30  | 3  | SKP/16  |
| 20  | 16 | 22   | 27   | 11   | 38   | 22  | 6,5  | 36  | 4  | SKP/20  |
| 25  | 16 | 22   | 30   | 13   | 39,5 | 26  | 6,5  | 40  | 4  | SKP/25  |
| 32  | 18 | 26   | 32   | 16   | 44,5 | 32  | 6,5  | 50  | 5  | SKP/32  |
| 40  | 20 | 28   | 42,5 | 21   | 45,5 | 42  | 9    | 60  | 5  | SKP/40  |
| 50  | 24 | 32   | 47   | 25   | 45,5 | 50  | 9    | 68  | 6  | SKP/50  |
| 63  | 27 | 39   | 59,5 | 31   | 50   | 62  | 11   | 84  | 6  | SKP/63  |
| 80  | 30 | 42   | 65,5 | 41   | 56   | 82  | 11   | 102 | 8  | SKP/80  |
| 100 | 33 | 45   | 78   | 51,5 | 66,5 | 103 | 13,5 | 123 | 8  | SKP/100 |

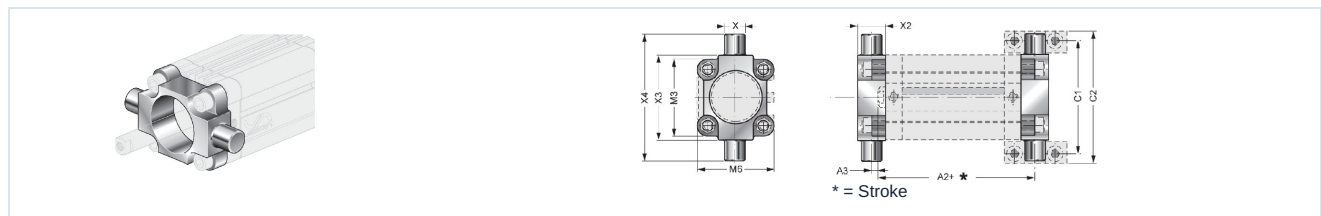
## XP / .. Foot mounting ISO 15552



| Ø   | A1  | B1  | M   | ØQ | R  | S  | T | U  | W  | Type   |
|-----|-----|-----|-----|----|----|----|---|----|----|--------|
| 32  | 75  | 92  | 45  | 7  | 32 | 11 | 4 | 32 | 24 | XP/32  |
| 40  | 80  | 101 | 52  | 9  | 36 | 15 | 4 | 36 | 28 | XP/40  |
| 50  | 85  | 109 | 65  | 9  | 45 | 15 | 5 | 45 | 32 | XP/50  |
| 63  | 89  | 113 | 75  | 9  | 50 | 15 | 5 | 50 | 32 | XP/63  |
| 80  | 105 | 136 | 95  | 12 | 63 | 20 | 6 | 63 | 41 | XP/80  |
| 100 | 118 | 149 | 115 | 14 | 71 | 25 | 6 | 75 | 41 | XP/100 |

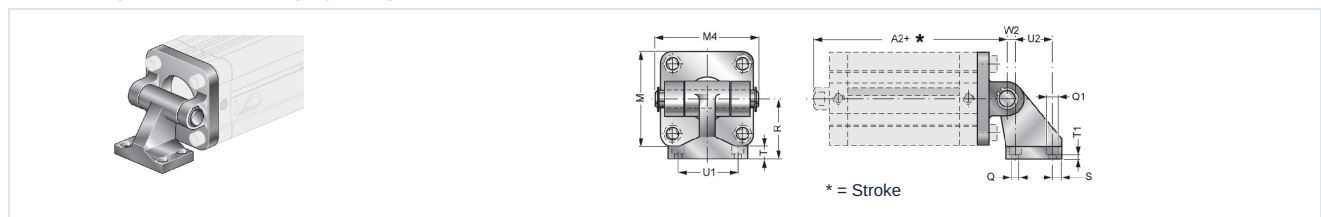


## XCBF/ .. Swivel mounting ISO 15552



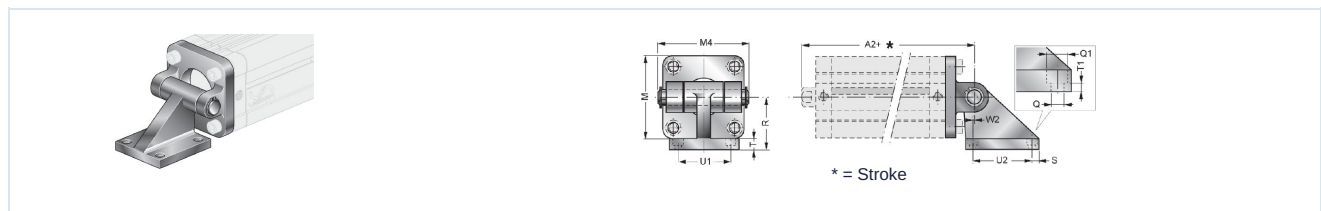
| Ø   | A2   | A3  | C1 | C2  | M3  | M6  | X e9 | X2 | X3  | X4  | Type     |
|-----|------|-----|----|-----|-----|-----|------|----|-----|-----|----------|
| 32  | 58,5 | 0,5 | 71 | 86  | 45  | 45  | 12   | 15 | 50  | 74  | XCBF/32  |
| 40  | 62   | 3   | 87 | 105 | 54  | 54  | 16   | 20 | 63  | 95  | XCBF/40  |
| 50  | 63   | 2   | 99 | 117 | 64  | 64  | 16   | 20 | 75  | 107 | XCBF/50  |
| 63  | 69,5 | 4,5 | 16 | 136 | 75  | 75  | 20   | 25 | 90  | 130 | XCBF/63  |
| 80  | 76,5 | 2,5 | 36 | 156 | 93  | 93  | 20   | 25 | 110 | 150 | XCBF/80  |
| 100 | 92   | 5   | 64 | 189 | 110 | 110 | 25   | 30 | 132 | 182 | XCBF/100 |

## XAS/ .. Angle swivel mounting lightweight CETOP RP107P ISO



| Ø   | A2  | M   | M4  | ØQ | ØQ1 | R  | S   | T  | T1   | U1 | U2 | W2 | Type    |
|-----|-----|-----|-----|----|-----|----|-----|----|------|----|----|----|---------|
| 32  | 73  | 45  | 54  | 7  | 11  | 32 | 6,5 | 8  | 6,5  | 38 | 18 | 3  | XAS/32  |
| 40  | 77  | 52  | 63  | 7  | 11  | 36 | 6,5 | 10 | 8,5  | 41 | 22 | 2  | XAS/40  |
| 50  | 80  | 65  | 71  | 9  | 15  | 45 | 7,5 | 12 | 10,5 | 50 | 30 | 3  | XAS/50  |
| 63  | 89  | 75  | 81  | 9  | 15  | 50 | 7,5 | 14 | 12,5 | 52 | 35 | 2  | XAS/63  |
| 80  | 100 | 95  | 101 | 11 | 18  | 63 | 10  | 14 | 11,5 | 66 | 40 | 7  | XAS/80  |
| 100 | 118 | 115 | 123 | 11 | 18  | 71 | 10  | 17 | 14,5 | 76 | 50 | 5  | XAS/100 |

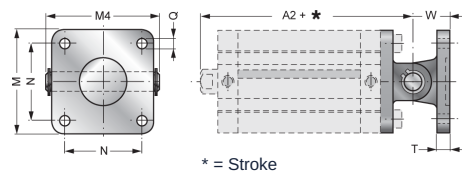
## XASV/ .. Angle swivel mounting heavy ISO



| Ø   | A2  | M   | M4  | ØQ | ØQ1 | R  | S    | T  | T1 | U1   | U2   | W2 | Type     |
|-----|-----|-----|-----|----|-----|----|------|----|----|------|------|----|----------|
| 32  | 73  | 45  | 54  | 7  | 11  | 32 | 8    | 10 | 5  | 32,5 | 32,5 | 0  | XASV/32  |
| 40  | 77  | 52  | 63  | 7  | 11  | 36 | 8,5  | 10 | 5  | 38   | 38   | 0  | XASV/40  |
| 50  | 80  | 65  | 71  | 9  | 15  | 45 | 10   | 12 | 5  | 46,5 | 46,5 | 0  | XASV/50  |
| 63  | 89  | 75  | 81  | 9  | 15  | 50 | 10   | 12 | 5  | 56,5 | 56,5 | 0  | XASV/63  |
| 80  | 100 | 95  | 101 | 11 | 18  | 63 | 12,5 | 14 | 6  | 72   | 72   | 0  | XASV/80  |
| 100 | 118 | 115 | 123 | 11 | 18  | 73 | 13   | 16 | 6  | 89   | 89   | 0  | XASV/100 |

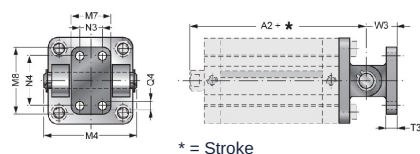
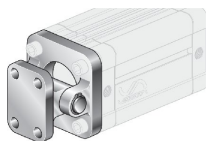


## XANL/ .. Swivel mounting ISO



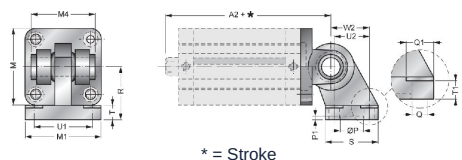
| Ø   | A2  | M   | M4  | N    | ØQ | T  | W  | Type     |
|-----|-----|-----|-----|------|----|----|----|----------|
| 32  | 73  | 45  | 54  | 32,5 | 7  | 10 | 22 | XANL/32  |
| 40  | 77  | 52  | 63  | 38   | 7  | 10 | 25 | XANL/40  |
| 50  | 80  | 65  | 71  | 46,5 | 9  | 12 | 27 | XANL/50  |
| 63  | 89  | 75  | 81  | 56,5 | 9  | 12 | 32 | XANL/63  |
| 80  | 100 | 95  | 101 | 72   | 11 | 16 | 36 | XANL/80  |
| 100 | 118 | 115 | 123 | 89   | 11 | 16 | 41 | XANL/100 |

## XANN/ .. Swivel mounting ISO



| Ø   | A2  | M4  | M7 | M8  | N3 | N4 | ØQ4 | T3 | W3 | Type     |
|-----|-----|-----|----|-----|----|----|-----|----|----|----------|
| 32  | 73  | 54  | 25 | 40  | -  | 28 | 7   | 8  | 18 | XANN/32  |
| 40  | 77  | 63  | 28 | 52  | 16 | 38 | 9   | 10 | 26 | XANN/40  |
| 50  | 80  | 71  | 32 | 52  | 16 | 38 | 9   | 10 | 26 | XANN/50  |
| 63  | 89  | 81  | 40 | 75  | 25 | 54 | 11  | 12 | 34 | XANN/63  |
| 80  | 100 | 101 | 50 | 75  | 25 | 54 | 11  | 12 | 34 | XANN/80  |
| 100 | 118 | 123 | 60 | 115 | 32 | 90 | 14  | 16 | 41 | XANN/100 |

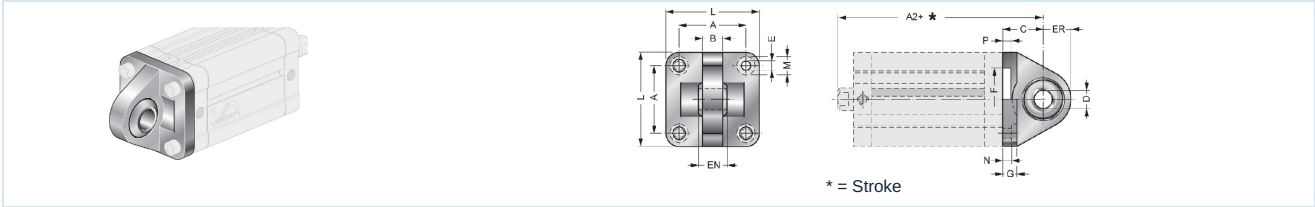
## XAS-SN/ .. Angle swivel mounting spherical ISO



| Ø   | A2  | M   | M1 | 41 | ØP | P1 | ØQ  | ØQ1 | R  | S  | T  | T1   | U1 | U2 | W2 | Type       |
|-----|-----|-----|----|----|----|----|-----|-----|----|----|----|------|----|----|----|------------|
| 32  | 73  | 45  | 51 | 41 | 20 | 3  | 6,6 | 11  | 32 | 31 | 10 | 8,5  | 38 | 18 | 21 | XAS-SN/32  |
| 40  | 77  | 52  | 54 | 48 | 20 | 3  | 6,6 | 11  | 26 | 35 | 10 | 8,5  | 41 | 22 | 24 | XAS-SN/40  |
| 50  | 80  | 65  | 65 | 54 | 20 | 3  | 9   | 15  | 45 | 45 | 12 | 10,5 | 50 | 30 | 33 | XAS-SN/50  |
| 63  | 89  | 75  | 67 | 69 | 20 | 3  | 9   | 15  | 50 | 50 | 12 | 10,5 | 52 | 35 | 37 | XAS-SN/63  |
| 80  | 100 | 95  | 86 | 75 | 20 | 3  | 11  | 18  | 63 | 60 | 14 | 11,5 | 66 | 40 | 47 | XAS-SN/80  |
| 100 | 118 | 115 | 96 | 85 | 20 | 3  | 11  | 18  | 71 | 70 | 15 | 12,5 | 76 | 50 | 55 | XAS-SN/100 |

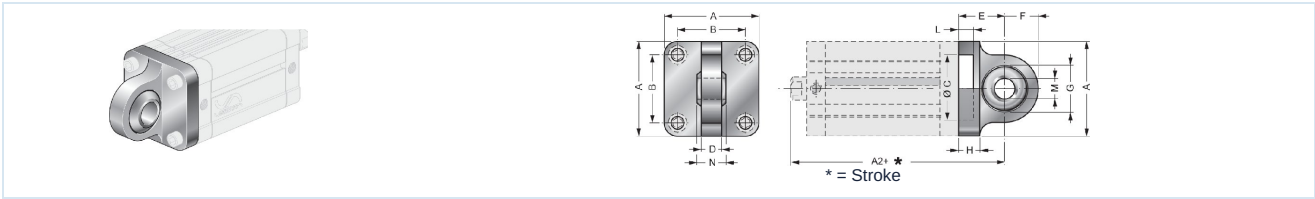


XCM-SN-AC/ .. Tab washer with spherical bearing arrangement, Steel ISO



| Ø   | A2  | A    | B    | C  | D  | EN | ER | F  | G  | E   | L   | M    | N   | P | Type          |
|-----|-----|------|------|----|----|----|----|----|----|-----|-----|------|-----|---|---------------|
| 32  | 73  | 32,5 | 10,5 | 22 | 10 | 14 | 15 | 30 | 10 | 6,6 | 45  | 10,5 | 5,5 | 5 | XCM-SN-AC/32  |
| 40  | 77  | 38   | 12   | 25 | 12 | 16 | 18 | 35 | 10 | 6,6 | 55  | 11   | 5,5 | 5 | XCM-SN-AC/40  |
| 50  | 80  | 46,5 | 15   | 27 | 16 | 21 | 20 | 40 | 10 | 9   | 65  | 15   | 6,5 | 5 | XCM-SN-AC/50  |
| 63  | 89  | 56,5 | 15   | 32 | 16 | 21 | 23 | 45 | 12 | 9   | 75  | 15   | 6,5 | 5 | XCM-SN-AC/63  |
| 80  | 100 | 72   | 18   | 36 | 20 | 25 | 27 | 45 | 14 | 11  | 95  | 18   | 10  | 5 | XCM-SN-AC/80  |
| 100 | 118 | 89   | 18   | 41 | 20 | 25 | 30 | 55 | 16 | 11  | 115 | 18   | 10  | 5 | XCM-SN-AC/100 |

XCM-SN-AL/ .. Tab washer with spherical bearing arrangement, Aluminium ISO



| Ø   | A2  | A   | B    | C  | D  | E  | F  | G  | H  | L | ØM | N  | Type          |
|-----|-----|-----|------|----|----|----|----|----|----|---|----|----|---------------|
| 32  | 73  | 45  | 32,5 | 30 | 10 | 22 | 16 | 22 | 10 | 7 | 10 | 14 | XCM-SN-AL/32  |
| 40  | 77  | 52  | 38   | 35 | 12 | 25 | 19 | 26 | 10 | 7 | 12 | 16 | XCM-SN-AL/40  |
| 50  | 80  | 65  | 46,5 | 40 | 12 | 27 | 19 | 26 | 12 | 7 | 16 | 21 | XCM-SN-AL/50  |
| 63  | 89  | 75  | 56,5 | 45 | 15 | 32 | 24 | 32 | 12 | 7 | 16 | 21 | XCM-SN-AL/63  |
| 80  | 100 | 95  | 72   | 45 | 15 | 36 | 24 | 32 | 16 | 9 | 20 | 25 | XCM-SN-AL/80  |
| 100 | 118 | 115 | 89   | 55 | 18 | 41 | 30 | 40 | 16 | 9 | 20 | 25 | XCM-SN-AL/100 |

USC/ .. Cross pin

| Ø   | A   | B f7 | Type    |
|-----|-----|------|---------|
| 32  | 54  | 10   | USC/32  |
| 40  | 63  | 12   | USC/40  |
| 50  | 71  | 12   | USC/50  |
| 63  | 81  | 16   | USC/63  |
| 80  | 101 | 16   | USC/80  |
| 100 | 123 | 20   | USC/100 |

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