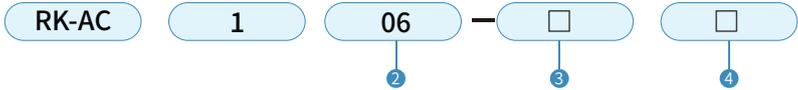




# Hydraulic Shock Absorber RK-AC Series



## Oil Hydraulic Absorber



| ① Outer Diameter |         | ② Stroke mm                                | ③ Blank |                           | ④ Impact Head |                     |
|------------------|---------|--|---------|---------------------------|---------------|---------------------|
| 06               | M6×0.75 | Please refer to the table below for stroke | 1       | Suitable for High Speed   | No Mark       | With Impact Head    |
| 08               | M8×1    |  |         |                           |               |                     |
| 10               | M10×1   |  | 2       | Suitable for Medium Speed | N             | Without Impact Head |
| 12               | M12×1   |  |         |                           |               |                     |
| 14               | M14×1.5 |  | 3       | 2 Suitable for Low Speed  |               |                     |
| 20               | M20×1.5 |  |         |                           |               |                     |
| 25               | M25×1.5 |  |         |                           |               |                     |
| 36               | M36×1.5 |  |         |                           |               |                     |

# Hydraulic Shock Absorber

# RK-AC Series

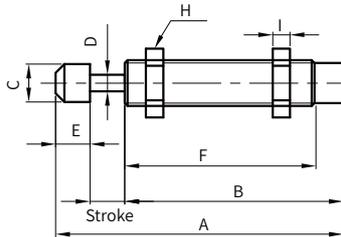
## Performance Parameters

| Model          | Stroke | Max. Energy Absorption per Cycle | Effective Weight (kg) | Impact Speed(m/s) | Energy Absorption per Hour | Operating Temp. °C | Weight (g) |        |        |        |        |        |        |        |        |        |
|----------------|--------|----------------------------------|-----------------------|-------------------|----------------------------|--------------------|------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| RK-AC0806-1(N) | 6      | 1.8                              | 0.8-5.6               | 2                 | 8800                       | -10+80             | 12         |        |        |        |        |        |        |        |        |        |
| RK-AC0806-2(N) |        |                                  | 2.5-10                | 1.2               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC0806-3(N) |        |                                  | 5.5-22                | 0.8               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1005-1(N) | 5      | 3                                | 1-4.2                 | 2.4               | 10800                      |                    | -10+80     | 14     |        |        |        |        |        |        |        |        |
| RK-AC1005-2(N) |        |                                  | 2.5-8                 | 1.2               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1005-3(N) |        |                                  | 10-35                 | 0.8               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1008-1(N) | 8      | 3.3                              | 1-4.4                 | 2.6               | 15200                      |                    |            | -10+80 | 21.1   |        |        |        |        |        |        |        |
| RK-AC1008-2(N) |        |                                  | 2.8-10                | 1.5               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1008-3(N) |        |                                  | 10-40                 | 0.8               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1210-1(N) | 10     | 6                                | 1.8-12                | 2.6               | 17640                      |                    |            |        | -10+80 | 37.4   |        |        |        |        |        |        |
| RK-AC1210-2(N) |        |                                  | 5.3-18.7              | 1.5               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1210-3(N) |        |                                  | 12-75                 | 0.8               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1412-1(N) | 12     | 16                               | 0.4-32                | 2.6               | 30000                      |                    |            |        |        | -10+80 | 61.5   |        |        |        |        |        |
| RK-AC1412-2(N) |        |                                  | 14-50                 | 1.5               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1412-3(N) |        |                                  | 56-200                | 0.8               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1415-1(N) | 15     | 18                               | 5-27                  | 2.6               | 36000                      |                    |            |        |        |        | -10+80 | 66.2   |        |        |        |        |
| RK-AC1415-2(N) |        |                                  | 17-62                 | 1.5               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1415-3(N) |        |                                  | 62-280                | 0.8               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1416-1(N) | 16     | 20                               | 6-43                  | 3                 | 36000                      |                    |            |        |        |        |        | -10+80 | 82     |        |        |        |
| RK-AC1416-2(N) |        |                                  | 18.5-64               | 1.5               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1416-3(N) |        |                                  | 64.8-253              | 0.8               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1425-1(N) | 25     | 20                               | 6-43                  | 3                 | 36000                      |                    |            |        |        |        |        |        | -10+80 | 96     |        |        |
| RK-AC1425-2(N) |        |                                  | 18.5-64               | 1.5               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC1425-3(N) |        |                                  | 64.8-253              | 0.8               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2020-1(N) | 20     | 35                               | 9-36                  | 3.2               | 42000                      |                    |            |        |        |        |        |        |        | -10+80 | 175.5  |        |
| RK-AC2020-2(N) |        |                                  | 23-92                 | 2                 |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2020-3(N) |        |                                  | 64-575                | 1.2               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2030-1(N) | 30     | 45                               | 7-27                  | 3.2               | 48000                      |                    |            |        |        |        |        |        |        |        | -10+80 | 195.2  |
| RK-AC2030-2(N) |        |                                  | 17-70                 | 2                 |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2030-3(N) |        |                                  | 48-777                | 1.2               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2050-1(N) | 50     | 60                               | 10-125                | 3.5               | 63240                      | -10+80             |            |        |        |        |        |        |        |        |        | 254.4  |
| RK-AC2050-2(N) |        |                                  | 18-253                | 2.6               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2050-3(N) |        |                                  | 55-496                | 1.5               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2525-1(N) | 25     | 80                               | 15-69                 | 3.2               | 54000                      |                    | -10+80     |        |        |        |        |        |        |        |        | 332.5  |
| RK-AC2525-2(N) |        |                                  | 39-380                | 2                 |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2525-3(N) |        |                                  | 108-1733              | 1.2               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2540-1(N) | 40     | 120                              | 20-106                | 3.5               | 75000                      |                    |            | -10+80 |        |        |        |        |        |        |        | 430    |
| RK-AC2540-2(N) |        |                                  | 50-450                | 2.2               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2540-3(N) |        |                                  | 245-1991              | 1.0               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2550-1(N) | 50     | 140                              | 20-124                | 3.6               | 90000                      |                    |            |        | -10+80 |        |        |        |        |        |        | 470    |
| RK-AC2550-2(N) |        |                                  | 48-438                | 2.4               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2550-3(N) |        |                                  | 194-2286              | 1.2               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2580-1(N) | 80     | 198                              | 25-198                | 4.0               | 120000                     |                    |            |        |        | -10+80 |        |        |        |        |        | 570.5  |
| RK-AC2580-2(N) |        |                                  | 44-396                | 3.0               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC2580-3(N) |        |                                  | 176-1584              | 1.5               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC3660-1(N) | 60     | 260                              | 57-231                | 3.0               | 124800                     |                    |            |        |        |        | -10+80 |        |        |        |        | 1033.6 |
| RK-AC3660-2(N) |        |                                  | 130-813               | 2.0               |                            |                    |            |        |        |        |        |        |        |        |        |        |
| RK-AC3660-3(N) |        |                                  | 520-3250              | 1.0               |                            |                    |            |        |        |        |        |        |        |        |        |        |

# Hydraulic Shock Absorber

# RK-AC Series

## Outline Dimension Drawing

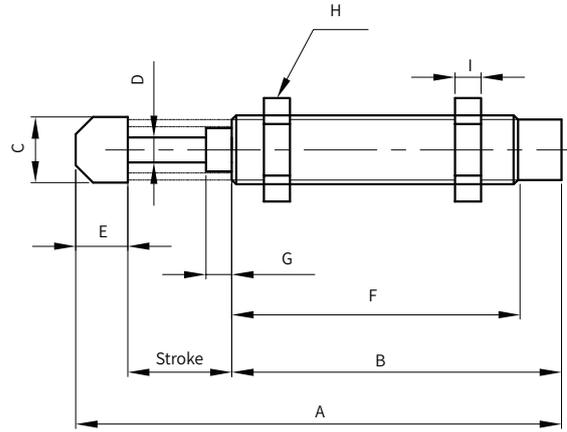


| Model          | Thread Size       | Stroke (mm) | A     | B    | C    | D   | E     | F    | H    | I  |   |
|----------------|-------------------|-------------|-------|------|------|-----|-------|------|------|----|---|
| RK-AC0806-1(N) | M8*1.0            | 6           | 50    | 38   | 6.6  | 2.9 | 6     | 33   | 11   | 4  |   |
| RK-AC0806-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC0806-3(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1005-1(N) | M10*1.0           | 5           | 38.7  | 27.9 | 8.6  | 2.9 | 9     | 22.9 | 12.7 | 3  |   |
| RK-AC1005-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1005-3(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1008-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1008-2(N) | M12*1.0           | 8           | 58    | 43   | 8.8  | 2.9 | 11    | 38   | 14   | 4  |   |
| RK-AC1008-3(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1210-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1210-2(N) | M14*1.5           | 10          | 71    | 50   | 10.5 | 3.8 | 11    | 46   | 19   | 5  |   |
| RK-AC1210-3(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1412-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1412-2(N) | M14*1.5           | 12          | 99    | 76   | 12   | 3.8 | 11    | 67   | 19   | 5  |   |
| RK-AC1412-3(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1415-1(N) |                   | 15          | 102   | 79   | 12   | 4   | 11    | 67   | 19   | 5  |   |
| RK-AC1415-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1415-3(N) |                   | 25          | 106   | 79   | 12   | 3.8 | 11    | 73   | 19   | 5  |   |
| RK-AC1416-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1416-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1416-3(N) |                   | M20*1.5     | 16    | 106  | 79   | 12  | 3.8   | 11   | 73   | 19 | 5 |
| RK-AC1425-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1425-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC1425-3(N) | 20                |             | 146   | 110  | 17.8 | 6   | 16    | 101  | 26   | 7  |   |
| RK-AC2020-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2020-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2020-3(N) | 30                | 161         | 115   | 17.8 | 6    | 16  | 106   | 26   | 7    |    |   |
| RK-AC2030-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2030-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2030-3(N) | 50                | 224.5       | 158.5 | 17.8 | 6    | 16  | 149.5 | 26   | 8    |    |   |
| RK-AC2050-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2050-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2050-3(N) | M25*1.5           | 25          | 155   | 111  | 22   | 8   | 19    | 101  | 32   | 10 |   |
| RK-AC2525-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2525-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2525-3(N) |                   | 50          | 240   | 170  | 22   | 8   | 19    | 160  | 32   | 10 |   |
| RK-AC2550-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2550-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2550-3(N) | M25×1.5<br>(P2.0) | 80          | 336   | 247  | 22   | 8   | 19    | 237  | 32   | 10 |   |
| RK-AC2580-1(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2580-2(N) |                   |             |       |      |      |     |       |      |      |    |   |
| RK-AC2580-3(N) |                   |             |       |      |      |     |       |      |      |    |   |

# Hydraulic Shock Absorber

# RK-AC Series

## Outline Dimension Drawing



| Model          | Thread Size | Stroke (mm) | A   | B   | C  | D  | E  | F   | G  | H  | I  |
|----------------|-------------|-------------|-----|-----|----|----|----|-----|----|----|----|
| RK-AC2540-1(N) | M25*1.5     | 40          | 213 | 137 | 22 | 8  | 36 | 127 | 10 | 32 | 10 |
| RK-AC2540-2(N) |             |             |     |     |    |    |    |     |    |    |    |
| RK-AC2540-3(N) |             |             |     |     |    |    |    |     |    |    |    |
| RK-AC3660-1(N) | M36*1.5     | 60          | 248 | 145 | 36 | 10 | 26 | 134 | 17 | 46 | 15 |
| RK-AC3660-2(N) |             |             |     |     |    |    |    |     |    |    |    |
| RK-AC3660-3(N) |             |             |     |     |    |    |    |     |    |    |    |

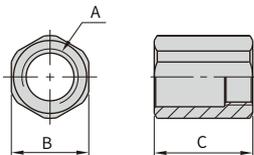
## Positioning Nut Dimensions and Diagram

### Model Representation Method

RK-SC

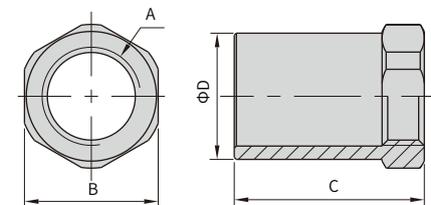
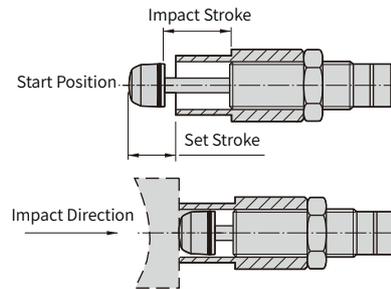
08

| Model | Thread Size |
|-------|-------------|
| 08    | M8×1        |
| 10    | M10×1       |
| 12    | M12×1       |
| 14    | M14×1.5     |
| 20    | M20×1.5     |
| 25    | M25×1.5     |
| 36    | M36×1.5     |



| Model   | A       | B    | C  |
|---------|---------|------|----|
| RK-SC08 | M8×1.0  | 11   | 14 |
| RK-SC10 | M10×1.0 | 12.7 | 16 |
| RK-SC12 | M12×1.0 | 14   | 20 |

### Application Diagram



| Model   | A       | B  | C  | D    |
|---------|---------|----|----|------|
| RK-SC14 | M14×1.5 | 19 | 27 | 18.5 |
| RK-SC20 | M20×1.5 | 26 | 35 | 25   |
| RK-SC25 | M25×1.5 | 32 | 45 | 31.5 |
| RK-SC36 | M36×1.5 | 46 | 80 | 45   |