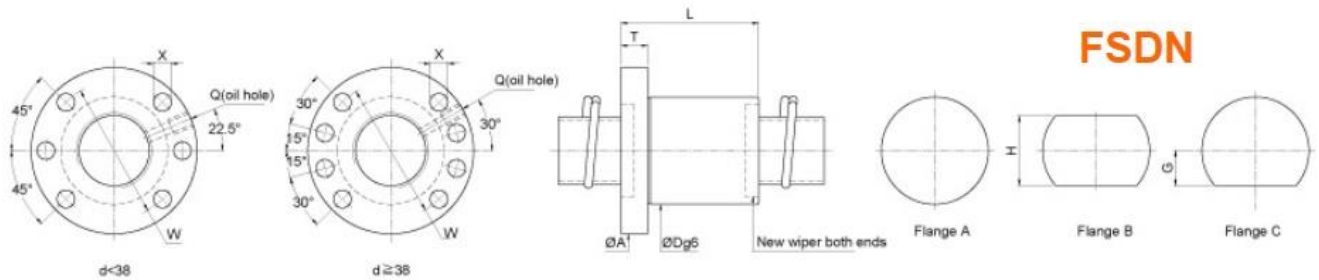


# Dimension

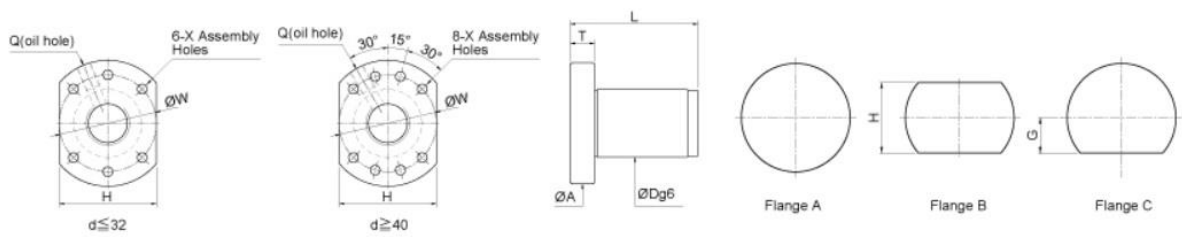
## Standard Models:



Note:

1. Cam and Coam represent the enhanced dynamic- and static load. Their calculations referred to the standard of DIN 69051.
2. Stiffness of nut: Stiffness values listed below are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball DIA. | Effective turns | MODIFIED LOAD CAPACITY(kgf)          |             | BALLNUT DIMENSION |        |        |    |    |    |    |          |               |           | Nut Model No.  |
|------------|------|-----------|-----------------|--------------------------------------|-------------|-------------------|--------|--------|----|----|----|----|----------|---------------|-----------|----------------|
|            |      |           |                 |                                      |             | O.D.              | Length | Flange |    |    |    |    | Oil Hole | Assembly Hole | STIFFNESS |                |
| O.D.       | Lead |           |                 | Dynamic (1×10 <sup>6</sup> REV.) Cam | Static Coam | D                 | L      | A      | T  | W  | G  | H  | Q        | X             | kgf/μm    |                |
| 15         | 5    | 3         | 4×1             | 1210                                 | 2130        | 28                | 39     | 48     | 10 | 38 | 20 | 40 | M6×1P    | 5.5           | 22        | FSDN1505V-4.0P |
|            | 10   |           | 3×1             | 950                                  | 1650        | 28                | 47     | 48     | 10 | 38 | 20 | 40 | M6×1P    | 5.5           | 17        | FSDN1510V-3.0P |
|            | 16   |           | 3×1             | 910                                  | 1600        | 28                | 64     | 48     | 10 | 38 | 20 | 40 | M6×1P    | 5.5           | 17        | FSDN1516V-3.0P |
| 20         | 5    | 3.175     | 4×1             | 1570                                 | 3270        | 36                | 40     | 58     | 10 | 47 | 22 | 44 | M6×1P    | 6.6           | 28        | FSDN2005B-4.0P |
|            | 20   |           | 2×2             | 1460                                 | 3120        | 36                | 58     | 58     | 10 | 47 | 22 | 44 | M6×1P    | 6.6           | 28        | FSDN2020B-4.0P |
| 25         | 5    | 3.175     | 5×1             | 2130                                 | 5230        | 40                | 46     | 62     | 10 | 51 | 24 | 48 | M6×1P    | 6.6           | 41        | FSDN2505B-5.0P |
|            | 10   |           | 4×1             | 170                                  | 4120        | 40                | 60     | 62     | 10 | 51 | 24 | 48 | M6×1P    | 6.6           | 33        | FSDN2510B-4.0P |
|            | 25   |           | 2×2             | 1610                                 | 3900        | 40                | 68     | 62     | 10 | 51 | 24 | 48 | M6×1P    | 6.6           | 33        | FSDN2525B-4.0P |
| 32         | 5    | 3.175     | 6×1             | 2800                                 | 8180        | 50                | 53     | 80     | 12 | 65 | 31 | 62 | M6×1P    | 9             | 59        | FSDN3205B-6.0P |
|            | 10   | 3.969     | 5×1             | 3240                                 | 8480        | 50                | 73     | 80     | 12 | 65 | 31 | 62 | M6×1P    | 9             | 52        | FSDN3210C-5.0P |
|            | 20   |           | 4×1             | 2600                                 | 6630        | 50                | 101    | 80     | 12 | 65 | 31 | 62 | M6×1P    | 9             | 42        | FSDN3220C-4.0P |
|            | 32   |           | 2×2             | 2460                                 | 6340        | 50                | 84     | 80     | 12 | 65 | 31 | 62 | M6×1P    | 9             | 41        | FSDN3232C-4.0P |
| 38         | 10   | 6.35      | 5×1             | 6500                                 | 15610       | 63                | 78     | 93     | 14 | 78 | 35 | 70 | M8×1P    | 9             | 64        | FSDN3810F-5.0P |
|            | 20   |           | 4×1             | 5250                                 | 12240       | 63                | 107    | 93     | 14 | 78 | 35 | 70 | M8×1P    | 9             | 52        | FSDN3820F-4.0P |
|            | 40   |           | 2×2             | 4940                                 | 11770       | 63                | 104    | 93     | 14 | 78 | 35 | 70 | M8×1P    | 9             | 51        | FSDN3840F-4.0P |



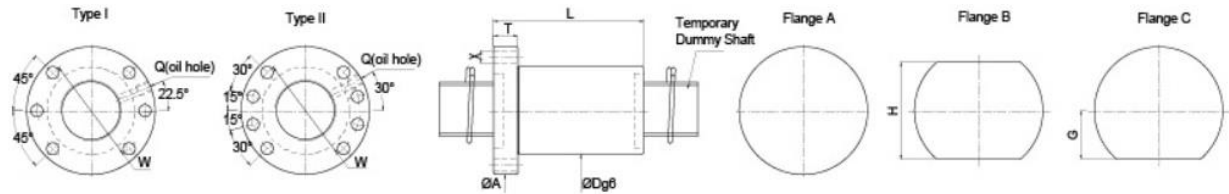
**FSDU**

Note: 1. Cam and Coam represent the enhanced dynamic- and static load. Their calculations referred to the standard of DIN 69051.

2. Stiffness of nut: Stiffness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw Size |      | Ball Dia. | Effective Turns Circuit<br>×<br>Number Of Thread | Modified Load Capacity<br>(Kgf)            |             | Ballnut Dimension |        |        |    |    |    |    |          |               |                | Nut Model No. |
|------------|------|-----------|--------------------------------------------------|--------------------------------------------|-------------|-------------------|--------|--------|----|----|----|----|----------|---------------|----------------|---------------|
|            |      |           |                                                  |                                            |             | O.D.              | Length | Flange |    |    |    |    | Oil Hole | Assembly Hole |                |               |
| O.D.       | LEAD |           |                                                  | Dynamic<br>(1×10 <sup>6</sup> REV.)<br>Cam | Static Coam | D                 | L      | A      | T  | W  | G  | H  | Q        | X             |                |               |
| 12         | 5    | 2         | 3×1                                              | 630                                        | 1060        | 24                | 31     | 40     | 10 | 32 | 15 | 30 | M6×1P    | 4.5           | FSDU1205Z-3.0P |               |
|            | 10   |           | 3×1                                              | 620                                        | 1040        | 24                | 45     | 40     | 10 | 32 | 15 | 30 | M6×1P    | 4.5           | FSDU1210Z-3.0P |               |
|            | 20   | 2.381     | 2×1                                              | 590                                        | 1070        | 24                | 53     | 40     | 10 | 32 | 15 | 30 | M6×1P    | 4.5           | FSDU1220A-2.0P |               |
| 15         | 20   | 2.778     | 2×1                                              | 560                                        | 970         | 28                | 53     | 48     | 10 | 38 | 20 | 40 | M6×1P    | 5.5           | FSDU1520L-2.0P |               |
|            | 5    | 3         | 4×1                                              | 1210                                       | 2130        | 28                | 36     | 48     | 10 | 38 | 20 | 40 | M6×1P    | 5.5           | FSDU1505V-4.0P |               |
|            | 10   |           | 3×1                                              | 950                                        | 1650        | 28                | 45     | 48     | 10 | 38 | 20 | 40 | M6×1P    | 5.5           | FSDU1510V-3.0P |               |
|            | 16   |           | 2×1                                              | 620                                        | 1040        | 28                | 46     | 48     | 10 | 38 | 20 | 40 | M6×1P    | 5.5           | FSDU1516V-2.0P |               |
|            | 16   |           | 3×1                                              | 910                                        | 1600        | 28                | 62     | 48     | 10 | 38 | 20 | 40 | M6×1P    | 5.5           | FSDU1516V-3.0P |               |
| 20         | 5    | 3.175     | 4×1                                              | 1570                                       | 3270        | 36                | 40     | 58     | 10 | 47 | 22 | 44 | M6×1P    | 6.6           | FSDU2005B-4.0P |               |
|            | 10   |           | 4×1                                              | 1560                                       | 3250        | 36                | 58     | 58     | 10 | 47 | 22 | 44 | M6×1P    | 6.6           | FSDU2010B-4.0P |               |
|            | 20   |           | 2×1                                              | 810                                        | 1550        | 36                | 58     | 58     | 10 | 47 | 22 | 44 | M6×1P    | 6.6           | FSDU2020B-2.0P |               |
|            | 20   |           | 3×1                                              | 1180                                       | 2430        | 36                | 78     | 58     | 10 | 47 | 22 | 44 | M6×1P    | 6.6           | FSDU2020B-3.0P |               |
| 25         | 5    | 3.175     | 4×1                                              | 1750                                       | 4150        | 40                | 40     | 62     | 10 | 51 | 24 | 48 | M6×1P    | 6.6           | FSDU2505B-4.0P |               |
|            | 10   |           | 4×1                                              | 1740                                       | 4120        | 40                | 59     | 62     | 10 | 51 | 24 | 48 | M6×1P    | 6.6           | FSDU2510B-4.0P |               |
|            | 20   |           | 2×1                                              | 910                                        | 1990        | 40                | 59     | 62     | 12 | 51 | 24 | 48 | M6×1P    | 6.6           | FSDU2520B-2.0P |               |
|            | 25   |           | 2×1                                              | 900                                        | 1950        | 40                | 70     | 62     | 12 | 51 | 24 | 48 | M6×1P    | 6.6           | FSDU2525B-2.0P |               |
|            | 25   |           | 3×1                                              | 1290                                       | 3040        | 40                | 95     | 62     | 12 | 51 | 24 | 48 | M6×1P    | 6.6           | FSDU2525B-3.0P |               |
| 32         | 5    | 3.175     | 4×1                                              | 1940                                       | 5360        | 50                | 42     | 80     | 12 | 65 | 31 | 62 | M6×1P    | 9             | FSDU3205B-4.0P |               |
|            | 10   | 3.969     | 4×1                                              | 2660                                       | 6710        | 50                | 62     | 80     | 12 | 65 | 31 | 62 | M6×1P    | 9             | FSDU3210C-4.0P |               |
|            | 20   |           | 3×1                                              | 2000                                       | 4870        | 50                | 81     | 80     | 12 | 65 | 31 | 62 | M6×1P    | 9             | FSDU3220C-3.0P |               |
|            | 32   |           | 2×1                                              | 1350                                       | 3170        | 50                | 84     | 80     | 13 | 65 | 31 | 62 | M6×1P    | 9             | FSDU3232C-2.0P |               |
|            | 32   |           | 3×1                                              | 1980                                       | 4920        | 50                | 116    | 80     | 13 | 65 | 31 | 62 | M6×1P    | 9             | FSDU3232C-3.0P |               |
| 38         | 10   | 6.35      | 4×1                                              | 5110                                       | 13800       | 63                | 67     | 93     | 14 | 78 | 35 | 70 | M8×1P    | 9             | FSDU3810F-4.0P |               |
|            | 20   |           | 3×1                                              | 4030                                       | 9020        | 63                | 86.4   | 93     | 14 | 78 | 35 | 70 | M8×1P    | 9             | FSDU3820F-3.0P |               |
|            | 40   |           | 2×1                                              | 2730                                       | 5890        | 63                | 103    | 93     | 15 | 78 | 35 | 70 | M8×1P    | 9             | FSDU3840F-2.0P |               |
|            | 40   |           | 3×1                                              | 3980                                       | 7160        | 63                | 143    | 93     | 15 | 78 | 35 | 70 | M8×1P    | 9             | FSDU3840F-3.0P |               |
| 40         | 5    | 3.175     | 4×1                                              | 1760                                       | 6260        | 63                | 43     | 93     | 15 | 78 | 35 | 70 | M8×1P    | 9             | FSDU4005B-4.0P |               |





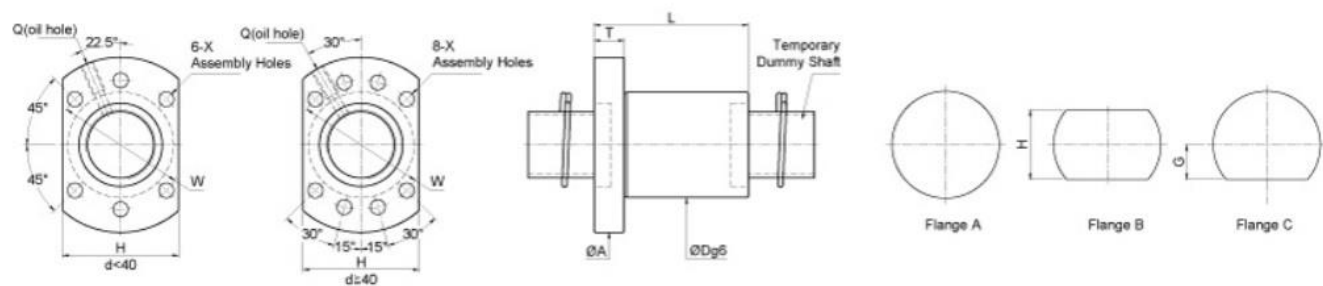
## FSDW

Note:

1. Cam and Coam represent the enhanced dynamic- and static load. Their calculations referred to the standard of ISO-3408-5.
2. Stiffness of nut: Stiffness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball DIA. | Effective turns | MODIFIED LOAD CAPACITY(kgf)          |             | BALLNUT DIMENSION |        |        |    |     |      |     |      |          |               |                |                | STIFFNESS | Nut Model No. |
|------------|------|-----------|-----------------|--------------------------------------|-------------|-------------------|--------|--------|----|-----|------|-----|------|----------|---------------|----------------|----------------|-----------|---------------|
|            |      |           |                 |                                      |             | O.D.              | Length | Flange |    |     |      |     |      | Oil Hole | Assembly Hole |                |                |           |               |
| O.D.       | Lead |           |                 | Dynamic (1×10 <sup>6</sup> REV.) Cam | Static Coam | D                 | L      | A      | T  | W   | G    | H   | TYPE | Q        | X             | kgf/μm         |                |           |               |
| 12         | 4    | 2.381     | 3X1             | 410                                  | 990         | 24                | 28     | 44     | 10 | 34  | 16   | 32  | I    | M6x1P    | 4.5           | 13             | FSDW1204A-3.0P |           |               |
| 14         | 4    | 2.381     | 3X1             | 460                                  | 1210        | 26                | 28     | 46     | 10 | 36  | 17   | 34  | I    | M6x1P    | 4.5           | 14             | FSDW1404A-3.0P |           |               |
|            |      | 4X1       | 590             | 1610                                 | 32          |                   | 18     |        |    |     |      |     |      |          |               | FSDW1404A-4.0P |                |           |               |
|            | 5    | 3.175     | 3X1             | 550                                  | 1260        | 29                | 32     | 51     | 10 | 36  | 16   | 32  | I    | M6x1P    | 5.5           | 14             | FSDW1405B-3.0P |           |               |
| 15         | 10   | 3.175     | 3X1             | 560                                  | 1340        | 29                | 47     | 51     | 10 | 39  | 19   | 38  | I    | M6x1P    | 5.5           | 15             | FSDW1510B-3.0P |           |               |
|            | 20   | 3.175     | 2X1             | 370                                  | 900         | 29                | 58     | 51     | 10 | 39  | 19   | 38  | I    | M6x1P    | 5.5           | 10             | FSDW1520B-2.0P |           |               |
| 16         | 5    | 3.175     | 3X1             | 600                                  | 1460        | 29                | 35     | 51     | 10 | 39  | 19   | 38  | I    | M6x1P    | 5.5           | 16             | FSDW1605B-3.0P |           |               |
|            | 10   | 3.175     | 3X1             | 580                                  | 1440        | 29                | 50     | 51     | 10 | 39  | 19   | 38  | I    | M6x1P    | 5.5           | 15             | FSDW1610B-3.0P |           |               |
|            | 16   | 3.175     | 2X1             | 400                                  | 950         | 29                | 51     | 51     | 10 | 39  | 19   | 38  | I    | M6x1P    | 5.5           | 11             | FSDW1616B-2.0P |           |               |
| 20         | 4    | 2.381     | 3X1             | 520                                  | 1660        | 32                | 28     | 54     | 12 | 42  | 19   | 38  | I    | M6x1P    | 4.5           | 18             | FSDW2004A-3.0P |           |               |
|            | 5    | 3.175     | 3X1             | 670                                  | 1860        | 36                | 35     | 62     | 12 | 49  | 24   | 48  | I    | M6x1P    | 6.6           | 19             | FSDW2005B-3.0P |           |               |
|            | 10   | 4.762     | 3X1             | 1320                                 | 3390        | 40                | 52     | 62     | 12 | 51  | 24   | 48  | I    | M6x1P    | 6.6           | 21             | FSDW2010D-3.0P |           |               |
|            | 20   | 3.175     | 2X1             | 450                                  | 1200        | 36                | 56     | 62     | 12 | 49  | 24   | 48  | I    | M6x1P    | 6.6           | 13             | FSDW2020B-2.0P |           |               |
|            | 40   | 3.175     | 1X2             | 610                                  | 1290        | 36                | 56     | 62     | 12 | 49  | 24   | 48  | I    | M6x1P    | 6.6           | 11             | FSDW2040B-1.6P |           |               |
| 25         | 4    | 2.381     | 3X1             | 580                                  | 2120        | 37                | 28     | 62     | 12 | 49  | 22   | 24  | I    | M6x1P    | 6.6           | 21             | FSDW2504A-3.0P |           |               |
|            | 5    | 3.175     | 3X1             | 740                                  | 2350        | 40                | 36     | 62     | 12 | 51  | 24   | 48  | I    | M6x1P    | 6.6           | 21             | FSDW2505B-3.0P |           |               |
|            | 10   | 4.762     | 4X1             | 1920                                 | 5700        | 45                | 63     | 65     | 15 | 54  | 25.5 | 51  | I    | M6x1P    | 6.6           | 32             | FSDW2510D-4.0P |           |               |
|            |      | 6.35      | 5X1             | 3380                                 | 9550        | 51                | 78     | 84     | 16 | 67  | 32   | 64  | I    | M6x1P    | 9             | 42             | FSDW2510F-5.0P |           |               |
|            | 25   | 3.969     | 2X1             | 780                                  | 2260        | 43                | 71     | 64     | 12 | 51  | 24   | 48  | I    | M6x1P    | 6.6           | 16             | FSDW2525C-2.0P |           |               |
| 28         | 5    | 3.175     | 5X1             | 1240                                 | 4530        | 43                | 48     | 65     | 12 | 51  | 24   | 48  | I    | M8x1P    | 6.6           | 38             | FSDW2805B-5.0P |           |               |
| 32         | 5    | 3.175     | 4X1             | 1080                                 | 4130        | 50                | 41     | 87     | 16 | 72  | 34.5 | 69  | I    | M8x1P    | 9             | 34             | FSDW3205B-4.0P |           |               |
|            | 10   | 6.35      | 5X1             | 3820                                 | 12030       | 57                | 78     | 87     | 16 | 72  | 34.5 | 69  | I    | M8x1P    | 9             | 50             | FSDW3210F-5.0P |           |               |
|            | 32   | 4.762     | 2X1             | 1100                                 | 3420        | 53                | 90     | 87     | 16 | 72  | 34.5 | 69  | I    | M8x1P    | 9             | 20             | FSDW3232D-2.0P |           |               |
| 36         | 10   | 6.35      | 3X1             | 2560                                 | 7970        | 61                | 58     | 91     | 18 | 76  | 34   | 68  | II   | M6x1P    | 9             | 52             | FSDW3610F-3.0P |           |               |
|            |      |           | 5X1             | 3970                                 | 13750       |                   | 78     |        |    |     |      |     |      |          |               | 55             | FSDW3610F-5.0P |           |               |
| 40         | 5    | 3.175     | 4X1             | 1180                                 | 5200        | 60                | 42     | 91     | 18 | 76  | 34   | 68  | II   | M8x1P    | 9             | 40             | FSDW4005B-4.0P |           |               |
|            | 10   | 6.35      | 5X1             | 4290                                 | 15290       | 65                | 78     | 95     | 18 | 80  | 36   | 72  | II   | M8x1P    | 9             | 59             | FSDW4010F-5.0P |           |               |
|            | 20   | 6.35      | 4X1             | 3480                                 | 11990       | 65                | 110    | 98     | 18 | 83  | 37   | 74  | II   | M8x1P    | 11            | 48             | FSDW4020F-4.0P |           |               |
|            | 40   |           | 2X1             | 1810                                 | 5770        |                   |        |        |    |     |      |     |      |          |               | 25             | FSDW4040F-2.0P |           |               |
| 50         | 10   | 6.35      | 5X1             | 4780                                 | 19360       | 75                | 78     | 118    | 18 | 100 | 46   | 92  | II   | M8x1P    | 11            | 70             | FSDW5010F-5.0P |           |               |
| 63         | 10   | 6.35      | 5X1             | 5230                                 | 24240       | 88                | 84     | 135    | 22 | 115 | 50   | 110 | II   | M8x1P    | 14            | 84             | FSDW6310F-5.0P |           |               |
|            | 20   |           |                 | 5320                                 | 24930       |                   | 130    |        |    |     |      |     |      |          |               | 137            | FSDW6320F-5.0P |           |               |
| 80         | 10   | 6.35      | 5X1             | 5840                                 | 31540       | 106               | 80     | 165    | 25 | 145 | 65   | 130 | II   | M8x1P    | 14            | 101            | FSDW8010F-5.0P |           |               |

FSIN

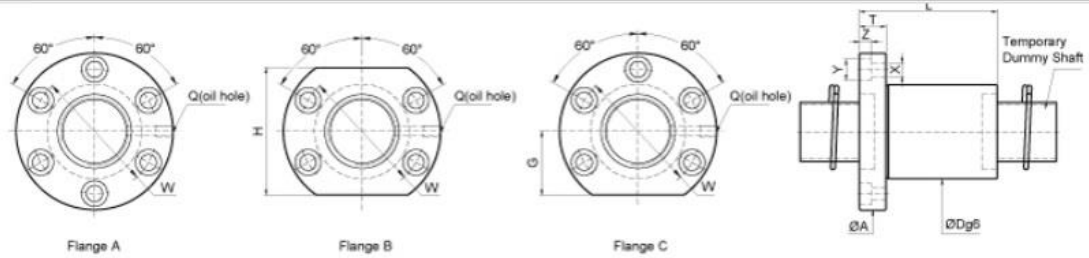


Note:  
1. Cam and Coam represent the enhanced dynamic- and static load. Their calculations referred to the standard of DIN 69051.  
2. Stiff ness of nut: Stiff ness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball DIA. | Effective turns | MODIFIED LOAD CAPACITY(kgf)          |             | BALLNUT DIMENSION |        |        |    |    |      |    |          |               |           | Nut Model No.  |
|------------|------|-----------|-----------------|--------------------------------------|-------------|-------------------|--------|--------|----|----|------|----|----------|---------------|-----------|----------------|
|            |      |           |                 |                                      |             | O.D.              | Length | Flange |    |    |      |    | Oil Hole | Assembly Hole | STIFFNESS |                |
| O.D.       | Lead |           |                 | Dynamic (1×10 <sup>6</sup> REV.) Cam | Static Coam | D                 | L      | A      | T  | W  | G    | H  | Q        | X             | kgf/μm    |                |
| 16         | 5    | 3.175     | 3               | 1050                                 | 2200        | 28                | 42     | 48     | 10 | 38 | 20   | 40 | M6x1P    | 5.5           | 17        | FSIN1605B-3.0P |
| 20         | 5    | 3.175     | 4               | 1530                                 | 3720        | 36                | 50     | 58     | 12 | 47 | 22   | 44 | M6x1P    | 6.5           | 25        | FSIN2005B-4.0P |
| 25         | 5    | 3.175     | 4               | 1700                                 | 4720        | 40                | 50     | 62     | 12 | 51 | 24   | 48 | M6x1P    | 6.5           | 37        | FSIN2505B-4.0P |
|            | 10   | 4.762     | 4               | 2900                                 | 6990        |                   | 85     | 62     | 12 | 51 | 24   | 48 | M6x1P    | 6.5           | 32        | FSIN2510D-4.0P |
| 32         | 5    | 3.175     | 4               | 1900                                 | 6090        | 50                | 50     | 80     | 12 | 65 | 31   | 62 | M6x1P    | 9             | 50        | FSIN3205B-4.0P |
|            | 10   | 6.35      | 4               | 4720                                 | 11670       | 50                | 80     | 80     | 13 | 65 | 31   | 62 | M6x1P    | 9             | 50        | FSIN3210F-4.0P |
| 40         | 5    | 3.175     | 4               | 2090                                 | 7670        | 63                | 54     | 93     | 15 | 78 | 35   | 70 | M8x1P    | 9             | 52        | FSIN4005B-4.0P |
|            | 10   | 6.35      | 4               | 5310                                 | 14850       |                   | 82     |        |    |    |      |    |          |               | 60        | FSIN4010F-4.0P |
| 50         | 10   | 6.35      | 4               | 5890                                 | 18780       | 75                | 88     | 110    | 18 | 93 | 42.5 | 85 | M8x1P    | 11            | 70        | FSIN5010F-4.0P |



# FSIW



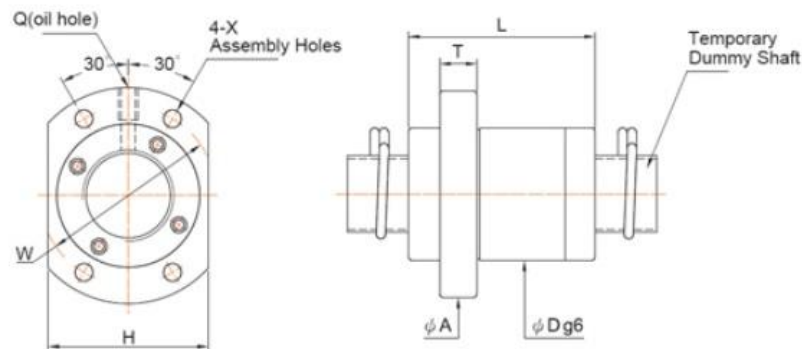
Note:

Stiff ness of nut:

Stiff ness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball DIA. | Effective turns circuitxrow | BASIC RATE LOAD(kgf)                |           | BALLNUT DIMENSION |        |        |    |     |    |     |               |      |     |          |           |                | Nut Model No. |
|------------|------|-----------|-----------------------------|-------------------------------------|-----------|-------------------|--------|--------|----|-----|----|-----|---------------|------|-----|----------|-----------|----------------|---------------|
|            |      |           |                             |                                     |           | O.D.              | Length | Flange |    |     |    |     | Assembly Hole |      |     | Oil Hole | STIFFNESS |                |               |
| O.D.       | Lead |           |                             | Dynamic (1×10 <sup>6</sup> REV.) Ca | Static Co | D                 | L      | A      | T  | W   | G  | H   | X             | Y    | Z   | Q        | kgf/μm    |                |               |
| 14         | 4    | 2.381     | 4                           | 400                                 | 890       | 26                | 47     | 46     | 10 | 36  | 20 | 40  | 4.5           | 8    | 4.5 | M6x1P    | 19        | FSIW1404A-4.0P |               |
| 16         | 4    | 2.381     | 3                           | 320                                 | 760       | 28                | 42     | 48.5   | 10 | 39  | 20 | 40  | 4.5           | 8    | 4.5 | M6x1P    | 13        | FSIW1604A-3.0P |               |
|            | 5    | 3.175     | 3                           | 570                                 | 1030      | 30                | 42     | 49     | 10 | 39  | 20 | 40  | 4.5           | 8    | 4.5 | M6x1P    | 17        | FSIW1605B-3.0P |               |
| 20         | 4    | 2.381     | 4                           | 450                                 | 1270      | 34                | 44     | 60     | 12 | 48  | 22 | 44  | 5.5           | 9.5  | 5.5 | M6x1P    | 19        | FSIW2004A-4.0P |               |
|            | 5    | 3.175     | 4                           | 830                                 | 1890      | 34                | 53     | 57     | 12 | 45  | 20 | 40  | 5.5           | 9.5  | 5.5 | M6x1P    | 21        | FSIW2005B-4.0P |               |
| 25         | 4    | 2.381     | 3                           | 380                                 | 1195      | 40                | 40     | 63     | 12 | 51  | 22 | 44  | 5.5           | 9.5  | 5.5 | M8x1P    | 17        | FSIW2504A-3.0P |               |
|            | 5    | 3.175     | 4                           | 940                                 | 2420      | 40                | 53     | 63.5   | 12 | 51  | 22 | 44  | 5.5           | 9.5  | 5.5 | M8x1P    | 26        | FSIW2505B-4.0P |               |
|            | 10   | 4.762     | 4                           | 1550                                | 3540      | 42                | 85     | 68.5   | 15 | 55  | 26 | 52  | 6.6           | 11   | 6.5 | M8x1P    | 28        | FSIW2510D-4.0P |               |
| 28         | 6    | 3.175     | 3                           | 770                                 | 2180      | 43                | 50     | 68     | 12 | 55  | 26 | 52  | 6.6           | 11   | 6.5 | M8x1P    | 22        | FSIW2806B-3.0P |               |
| 32         | 5    | 3.175     | 4                           | 1050                                | 3390      | 48                | 53     | 73.5   | 12 | 60  | 30 | 60  | 6.6           | 11   | 6.5 | M8x1P    | 32        | FSIW3205B-4.0P |               |
|            | 10   | 6.35      | 4                           | 2510                                | 5880      | 54                | 90     | 88     | 16 | 70  | 34 | 68  | 9             | 14   | 8.5 | M8x1P<   | 34        | FSIW3210F-4.0P |               |
| 36         | 10   | 6.35      | 4                           | 2570                                | 6870      | 58                | 89     | 98     | 18 | 77  | 36 | 72  | 11            | 17.5 | 11  | M8x1P    | 39        | FSIW3610F-4.0P |               |
| 40         | 5    | 3.175     | 4                           | 1180                                | 4390      | 55                | 56     | 88.5   | 16 | 72  | 29 | 58  | 15            | 9    | 14  | M8x1P    | 38        | FSIW4005B-4.0P |               |
|            | 10   | 6.35      | 4                           | 2630                                | 7860      | 64                | 93     | 106    | 18 | 84  | 43 | 86  | 11            | 17.5 | 11  | M8x1P    | 41        | FSIW4010F-4.0P |               |
| 50         | 10   | 6.35      | 4                           | 2770                                | 10290     | 74                | 93     | 116    | 18 | 94  | 42 | 84  | 11            | 17.5 | 11  | M8x1P    | 50        | FSIW5010F-4.0P |               |
| 63         | 10   | 6.35      | 4                           | 3760                                | 13700     | 85                | 98     | 132    | 22 | 107 | 48 | 96  | 14            | 20   | 13  | M8x1P    | 60        | FSIW6310F-4.0P |               |
| 80         | 10   | 6.35      | 4                           | 4130                                | 17660     | 105               | 98     | 151    | 22 | 127 | 57 | 114 | 14            | 20   | 13  | M8x1P    | 73        | FSIW8010F-4.0P |               |

# FSKW

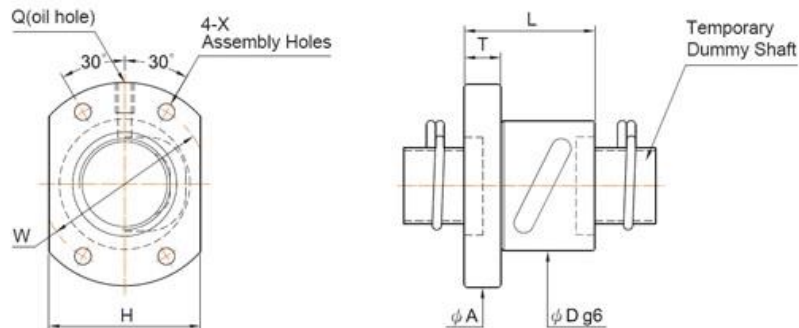


Note:  
 Stiff ness of nut:  
 Stiff ness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball DIA. | Effective turns<br>circuitxnumber<br>of thread | BASIC RATE<br>LOAD(kgf)                      |              | BALLNUT DIMENSION |        |        |    |     |                  |          |           |        |                | Nut Model No. |
|------------|------|-----------|------------------------------------------------|----------------------------------------------|--------------|-------------------|--------|--------|----|-----|------------------|----------|-----------|--------|----------------|---------------|
|            |      |           |                                                |                                              |              | O.D.              | Length | Flange |    |     | Assembly<br>Hole | Oil Hole | STIFFNESS |        |                |               |
| O.D.       | Lead |           |                                                | Dynamic<br>(1×10 <sup>6</sup><br>REV.)<br>Ca | Static<br>Co | D                 | L      | A      | T  | W   | H                | X        | Q         | kgf/μm |                |               |
| 12         | 12   | 2.381     | 1.8x2                                          | 410                                          | 850          | 25                | 31     | 40     | 6  | 32  | 21               | 4.5      | M4x0.7P   | 13     | FSKW1212A-3.6P |               |
| 15         | 10   | 3.175     | 2.8x2                                          | 1000                                         | 2570         | 34                | 44     | 57     | 10 | 45  | 40               | 5.5      | M6x1P     | 26     | FSKW1510B-5.6P |               |
|            | 20   | 3.175     | 1.8x1                                          | 380                                          | 830          | 34                | 45     | 57     | 10 | 45  | 40               | 5.5      | M6x1P     | 26     | FSKW1520B-1.8P |               |
| 16         | 16   | 3.175     | 1.8x1                                          | 330                                          | 640          | 32                | 38     | 53     | 10 | 42  | 38               | 4.5      | M6x1P     | 9      | FSKW1616B-1.8P |               |
| 20         | 20   | 3.175     | 1.8x2                                          | 780                                          | 2280         | 39                | 52     | 62     | 10 | 50  | 46               | 5.5      | M6x1P     | 21     | FSKW2020B-3.6P |               |
|            | 40   | 3.175     | 0.8x2                                          | 390                                          | 1010         | 38                | 41     | 58     | 10 | 40  | 48               | 5.5      | M6x1P     | 14     | FSKW2040B-1.6P |               |
|            |      |           | 1.8x1                                          | 430                                          | 1140         |                   | 81     |        |    |     |                  |          |           | 16     | FSKW2040B-1.8P |               |
| 25         | 25   | 3.969     | 1.8x2                                          | 1230                                         | 3570         | 47                | 62     | 74     | 12 | 60  | 56               | 6.6      | M6x1P     | 27     | FSKW2525C-3.6P |               |
|            |      |           | 1.8x4                                          | 2230                                         | 7140         |                   |        |        |    |     |                  |          |           | 52     | FSKW2525C-7.2P |               |
| 32         | 32   | 4.762     | 1.8x2                                          | 1760                                         | 5500         | 58                | 78     | 92     | 15 | 74  | 68               | 9        | M6x1P     | 33     | FSKW3232D-3.6P |               |
|            |      |           | 1.8x4                                          | 3200                                         | 11000        |                   |        |        |    |     |                  |          |           | 65     | FSKW3232D-7.2P |               |
| 40         | 40   | 6.350     | 1.8x2                                          | 2870                                         | 9170         | 73                | 95     | 114    | 17 | 93  | 84               | 11       | M6x1P     | 42     | FSKW4040F-3.6P |               |
|            |      |           | 1.8x4                                          | 5220                                         | 18340        |                   |        |        |    |     |                  |          |           | 81     | FSKW4040F-7.2P |               |
| 50         | 50   | 7.938     | 1.8x4                                          | 7890                                         | 26330        | 90                | 122    | 135    | 20 | 112 | 104              | 14       | M6x1P     | 103    | FSKW5050H-7.2P |               |

## Optional Models:

### FSBW



Note:

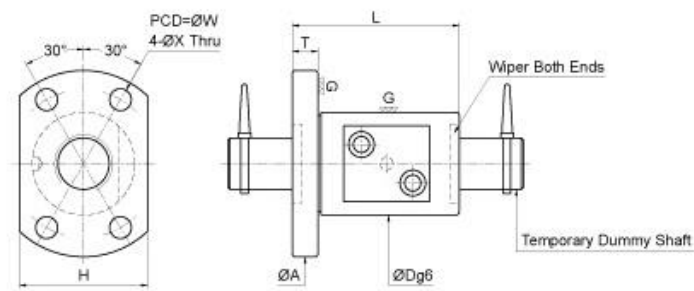
Stiffness of nut:

Stiffness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball<br>DIA. | Effective<br>turns<br>circuitxrow | BASIC RATE<br>LOAD(kgf)                   |              | BALLNUT DIMENSION |        |        |    |    |    |                  |             |           | Nut Model No.  |
|------------|------|--------------|-----------------------------------|-------------------------------------------|--------------|-------------------|--------|--------|----|----|----|------------------|-------------|-----------|----------------|
|            |      |              |                                   |                                           |              | O.D.              | Length | Flange |    |    |    | Assembly<br>Hole | Oil<br>Hole | STIFFNESS |                |
| O.D.       | Lead |              |                                   | Dynamic<br>(1×10 <sup>6</sup> REV.)<br>Ca | Static<br>Co | D                 | L      | A      | T  | W  | H  | X                | Q           | kgf/μm    |                |
| 12         | 5    | 2.000        | 2.5x1                             | 270                                       | 350          | 26                | 40     | 47     | 10 | 37 | 30 | 4.5              | M6x1P       | 8.2       | FSBW1205Z-2.5P |
| 14         | 4    | 2.381        | 3.5x1                             | 500                                       | 1100         | 31                | 40     | 50     | 10 | 40 | 37 | 4.5              | M6x1P       | 15        | FSBW1404A-3.5P |
|            | 5    | 3.175        | 2.5x1                             | 515                                       | 990          | 32                | 40     | 50     | 10 | 40 | 38 | 4.5              | M6x1P       | 11        | FSBW1405B-2.5P |
| 16         | 5    | 3.175        | 2.5x1                             | 570                                       | 1130         | 34                | 40     | 54     | 10 | 44 | 40 | 4.5              | M6x1P       | 13        | FSBW1605B-2.5P |
| 20         | 4    | 2.381        | 2.5x1                             | 415                                       | 850          | 40                | 41     | 59     | 10 | 50 | 46 | 4.5              | M6x1P       | 14        | FSBW2004A-2.5P |
|            | 5    | 3.175        | 2.5x1                             | 620                                       | 1450         | 40                | 40     | 59     | 10 | 50 | 46 | 4.5              | M6x1P       | 16        | FSBW2005B-2.5P |
| 25         | 4    | 2.381        | 2.5x1                             | 450                                       | 980          | 43                | 41     | 67     | 10 | 50 | 50 | 4.5              | M6x1P       | 17        | FSBW2504A-2.5P |
|            | 5    | 3.175        | 2.5x1                             | 720                                       | 1830         | 43                | 40     | 67     | 10 | 50 | 50 | 5.5              | M6x1P       | 18        | FSBW2505B-2.5P |



FSMW

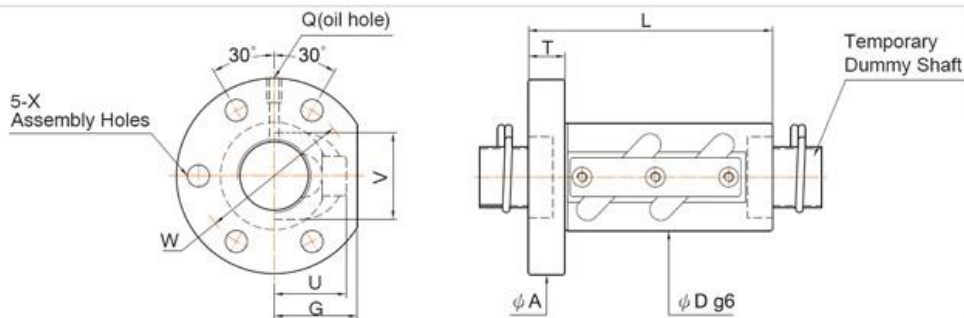


Note: Stiffness of nut: Stiffness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw Size |      | BALL DIA. | EFFECTIVE TURNS circuit×row | Basic Rate Load (kgf)               |           | Ballnut Dimension |        |        |   |    |    |               | Nut Model NO.   |
|------------|------|-----------|-----------------------------|-------------------------------------|-----------|-------------------|--------|--------|---|----|----|---------------|-----------------|
|            |      |           |                             |                                     |           | O.D.              | Length | Flange |   |    |    | Assembly Hole |                 |
| O.D.       | LEAD |           |                             | Dynamic (1×10 <sup>6</sup> REV.) Ca | Static Co | D                 | L      | A      | T | W  | H  | X             |                 |
| 8          | 1    | 0.8       | 2.5×1                       | 66                                  | 140       | 14                | 16     | 27     | 4 | 21 | 18 | 3.4           | FSMW00801X-2.5P |
|            | 2    | 1.2       | 2.5×1                       | 100                                 | 190       | 16                | 26     | 29     | 4 | 23 | 20 | 3.4           | FSMW00802Y-2.5P |
|            | 2.5  | 2         | 2.5×1                       | 260                                 | 370       | 18                | 26     | 29     | 4 | 25 | 20 | 3.4           | FSMW008I2Z-2.5P |
| 10         | 2    | 1.588     | 2.5×1                       | 220                                 | 370       | 18                | 28     | 35     | 5 | 27 | 22 | 4.5           | FSMW01002K-2.5P |



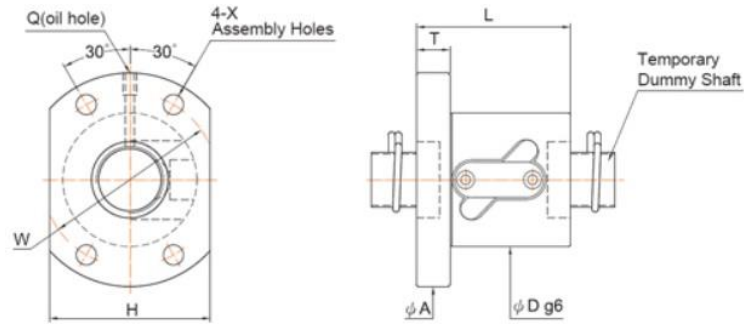
# FSVW



Note:  
Stiffness of nut:  
Stiffness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball DIA. | Effecttive turns circuitxrow | BASIC RATE LOAD(kgf)                |           | BALLNUT DIMENSION |        |        |    |     |    |             |    |               |          |        | STIFFNESS      | Nut Model No. |
|------------|------|-----------|------------------------------|-------------------------------------|-----------|-------------------|--------|--------|----|-----|----|-------------|----|---------------|----------|--------|----------------|---------------|
|            |      |           |                              |                                     |           | O.D.              | Length | Flange |    |     |    | Return tube |    | Assembly Hole | Oil Hole |        |                |               |
| O.D.       | Lead |           |                              | Dynamic (1×10 <sup>6</sup> REV.) Ca | Static Co | D                 | L      | A      | T  | W   | G  | U           | V  | X             | Q        | kgf/μm |                |               |
| 14         | 4    | 2.381     | 3.5x1                        | 500                                 | 1100      | 25                | 42     | 55     | 10 | 40  | 19 | 19          | 21 | 4.5           | M6x1P    | 15     | FSVW1404A-3.5P |               |
|            | 5    | 3.175     | 2.5x1                        | 515                                 | 990       | 30                | 43     | 50     | 10 | 40  | 22 | 19          | 21 | 4.5           | M6x1P    | 11     | FSVW1405B-2.5P |               |
| 16         | 5    | 3.175     | 2.5x2                        | 1000                                | 2280      | 31                | 60     | 54     | 12 | 41  | 24 | 20          | 23 | 5.5           | M6x1P    | 23     | FSVW1605B-5.0P |               |
| 20         | 5    | 3.175     | 2.5x2                        | 1130                                | 2900      | 40                | 60     | 60     | 12 | 50  | 28 | 23          | 27 | 4.5           | M6x1P    | 28     | FSVW2005B-5.0P |               |
|            | 10   | 4.762     | 2.5x1                        | 1100                                | 2200      | 40                | 60     | 67     | 12 | 53  | 30 | 27          | 30 | 6.6           | M6x1P    | 16     | FSVW2010D-2.5P |               |
| 25         | 5    | 3.175     | 2.5x1                        | 720                                 | 1830      | 42                | 45     | 71     | 12 | 57  | 28 | 25          | 32 | 6.6           | M6x1P    | 18     | FSVW2505B-2.5P |               |
|            | 10   | 4.762     | 3.5x1                        | 1690                                | 3900      | 45                | 75     | 72     | 16 | 58  | 34 | 29          | 35 | 6.6           | M6x1P    | 27     | FSVW2510D-3.5P |               |
|            | 10   | 6.35      | 2.5x1                        | 1720                                | 3590      | 44                | 68     | 79     | 15 | 62  | 34 | 30          | 37 | 9             | M6x1P    | 21     | FSVW2510F-2.5P |               |
| 28         | 5    | 3.175     | 1.5x2                        | 910                                 | 2470      | 44                | 50     | 70     | 12 | 56  | 28 | 28          | 35 | 6.6           | M6x1P    | 21     | FSVW2805B-3.0P |               |
|            |      |           | 2.5x1                        | 780                                 | 2060      |                   | 45     |        |    |     |    |             |    |               |          | 18     | FSVW2805B-2.5P |               |
|            |      |           | 2.5x2                        | 1410                                | 4120      |                   | 60     |        |    |     |    |             |    |               |          | 33     | FSVW2805B-5.0P |               |
|            |      |           | 3.5x1                        | 1040                                | 2880      |                   | 50     |        |    |     |    |             |    |               |          | 24     | FSVW2805B-3.5P |               |
| 32         | 5    | 3.175     | 2.5x2                        | 1540                                | 4720      | 50                | 60     | 76     | 12 | 63  | 36 | 30          | 39 | 6.6           | M6x1P    | 41     | FSVW3205B-5.0P |               |
|            | 10   | 6.35      | 2.5x2                        | 3130                                | 9410      | 55                | 101    | 97     | 18 | 75  | 39 | 37          | 44 | 11            | M6x1P    | 49     | FSVW3210F-5.0P |               |
| 36         | 10   | 6.35      | 1.5x2                        | 2170                                | 6480      | 70                | 82     | 105    | 18 | 80  | 42 | 40          | 49 | 11            | M6x1P    | 30     | FSVW3610F-3.0P |               |
| 40         | 5    | 3.175     | 3.5x1                        | 1350                                | 4160      | 58                | 55     | 92     | 16 | 72  | 42 | 34          | 46 | 9             | M8x1P    | 43     | FSVW4005B-3.5P |               |
|            | 10   | 6.35      | 3.5x1                        | 2590                                | 8400      | 65                | 82     | 106    | 18 | 85  | 44 | 42          | 52 | 11            | PT1/8"   | 45     | FSVW4010F-3.5P |               |
| 50         | 10   | 6.35      | 3.5x2                        | 4940                                | 21000     | 80                | 125    | 138    | 22 | 110 | 52 | 48          | 62 | 18            | M6x1P    | 98     | FSVW5010F-7.0P |               |
| 63         | 10   | 6.35      | 2.5x2                        | 4770                                | 18660     | 108               | 105    | 154    | 22 | 130 | 44 | 53          | 76 | 14            | M8x1P    | 75     | FSWW6310F-5.0P |               |
| 80         | 10   | 6.35      | 2.5x2                        | 5340                                | 23750     | 130               | 105    | 176    | 22 | 152 | 48 | 64          | 91 | 14            | M8x1P    | 90     | FSWW8010F-5.0P |               |

# FSWW

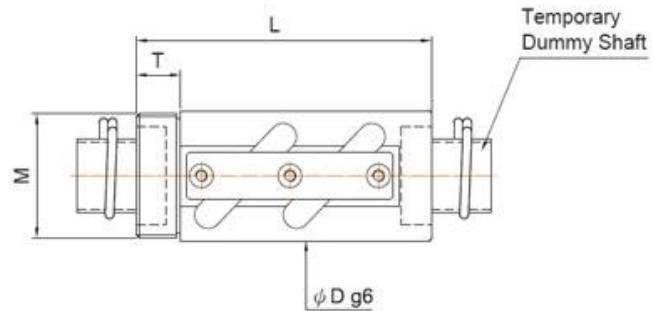
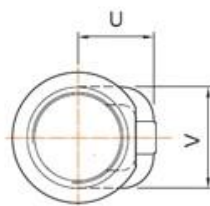


Note:  
Stiff ness of nut:  
Stiff ness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball DIA. | Effecttive turns circuitxrow | BASIC RATE LOAD(kgf)                |           | BALLNUT DIMENSION |        |        |    |     |     |               |          |           |                | Nut Model No. |
|------------|------|-----------|------------------------------|-------------------------------------|-----------|-------------------|--------|--------|----|-----|-----|---------------|----------|-----------|----------------|---------------|
|            |      |           |                              |                                     |           | O.D.              | Length | Flange |    |     |     | Assembly Hole | Oil Hole | STIFFNESS |                |               |
| O.D.       | Lead |           |                              | Dynamic (1×10 <sup>6</sup> REV.) Ca | Static Co | D                 | L      | A      | T  | W   | H   | X             | Q        | kgf/μm    |                |               |
| 12         | 4    | 2.381     | 2.5x1                        | 285                                 | 533       | 30                | 40     | 52     | 10 | 40  | 31  | 4.5           | M6x1P    | 9         | FSWW1204A-2.5P |               |
|            | 5    | 2         | 2.5x1                        | 270                                 | 350       | 26                | 40     | 47     | 10 | 37  | 30  | 4.5           | M6x1P    | 8.2       | FSWW1205Z-2.5P |               |
| 14         | 4    | 2.381     | 3.5x1                        | 500                                 | 1100      | 35                | 42     | 57     | 10 | 45  | 40  | 4.5           | M6x1P    | 15        | FSWW1404A-3.5P |               |
|            | 5    | 3.175     | 2.5x1                        | 515                                 | 990       | 40                | 40     | 57     | 10 | 45  | 40  | 4.5           | M6x1P    | 11        | FSWW1405B-2.5P |               |
| 15         | 10   | 3.175     | 2.5x1                        | 440                                 | 680       | 34                | 55     | 57     | 10 | 45  | 34  | 5.5           | M6x1P    | 12        | FSWW1510B-2.5P |               |
| 16         | 4    | 2.381     | 3.5x1                        | 610                                 | 1470      | 34                | 42     | 57     | 11 | 45  | 34  | 5.5           | M6x1P    | 17        | FSWW1604A-3.5P |               |
|            | 5    | 3.175     | 2.5x1                        | 550                                 | 1140      | 40                | 41     | 63     | 11 | 51  | 42  | 5.5           | M6x1P    | 13        | FSWW1605B-2.5P |               |
|            | 10   | 3.175     | 2.5x1                        | 550                                 | 990       | 40                | 56     | 63     | 11 | 51  | 42  | 5.5           | M6x1P    | 13        | FSWW1610B-2.5P |               |
| 20         | 4    | 2.381     | 2.5x2                        | 1140                                | 3120      | 40                | 56     | 67     | 11 | 55  | 52  | 5.5           | M6x1P    | 30        | FSWW2004A-5.0P |               |
|            | 5    | 3.175     | 2.5x1                        | 625                                 | 1450      | 44                | 41     | 67     | 10 | 55  | 52  | 5.5           | M6x1P    | 15        | FSWW2005B-2.5P |               |
|            | 10   | 4.762     | 2.5x1                        | 1100                                | 2200      | 52                | 61     | 82     | 12 | 67  | 64  | 6.6           | M6x1P    | 16        | FSWW2010D-2.5P |               |
| 25         | 5    | 3.175     | 2.5x2                        | 1120                                | 3710      | 50                | 56     | 73     | 11 | 61  | 56  | 6.6           | M6x1P    | 37        | FSWW2505B-5.0P |               |
|            | 10   | 4.762     | 2.5x1                        | 1270                                | 2780      | 58                | 65     | 85     | 15 | 71  | 64  | 6.6           | M6x1P    | 20        | FSWW2510D-2.5P |               |
|            |      | 6.35      | 2.5x2                        | 3200                                | 7170      | 60                | 97     | 96     | 15 | 78  | 72  | 9             | M6x1P    | 40        | FSWW2510F-5.0P |               |
| 28         | 5    | 3.175     | 1.5x2                        | 910                                 | 2470      | 55                | 46     | 83     | 12 | 69  | 62  | 6.6           | M8x1P    | 21        | FSWW2805B-3.0P |               |
|            |      |           | 2.5x1                        | 780                                 | 2060      |                   | 42     |        |    |     |     |               |          | 18        | FSWW2805B-2.5P |               |
|            |      |           | 2.5x2                        | 1410                                | 4120      |                   | 56     |        |    |     |     |               |          | 33        | FSWW2805B-5.0P |               |
|            |      |           | 3.5x1                        | 1040                                | 2880      |                   | 47     |        |    |     |     |               |          | 24        | FSWW2805B-3.5P |               |
| 32         | 5    | 3.175     | 2.5x2                        | 1540                                | 4720      | 58                | 57     | 85     | 12 | 71  | 64  | 6.6           | M8x1P    | 41        | FSWW3205B-5.0P |               |
|            | 10   | 6.35      | 2.5x2                        | 3130                                | 9410      | 67                | 97     | 103    | 15 | 85  | 78  | 9             | M6x1P    | 49        | FSWW3210F-5.0P |               |
| 36         | 10   | 6.35      | 1.5x2                        | 2170                                | 6480      | 70                | 81     | 110    | 17 | 90  | 82  | 11            | M6x1P    | 30        | FSWW3610F-3.0P |               |
|            |      |           | 2.5x2                        | 3370                                | 10800     |                   | 99     |        |    |     |     |               |          | 29        | FSWW3610F-5.0P |               |
|            |      |           | 3.5x1                        | 2480                                | 7560      |                   | 81     |        |    |     |     |               |          | 35        | FSWW3610F-3.5P |               |
| 40         | 5    | 3.175     | 2.5x2                        | 1830                                | 5940      | 67                | 60     | 101    | 15 | 83  | 78  | 9             | M8x1P    | 60        | FSWW4005B-5.0P |               |
|            | 10   | 6.35      | 2.5x2                        | 3520                                | 12000     | 76                | 100    | 116    | 17 | 96  | 88  | 11            | M6x1P    | 59        | FSWW4010F-5.0P |               |
| 50         | 10   | 6.35      | 2.5x2                        | 3900                                | 15000     | 88                | 101    | 128    | 18 | 108 | 100 | 11            | M6x1P    | 72        | FSWW5010F-5.0P |               |
| 63         | 10   | 6.35      | 2.5x2                        | 4770                                | 18660     | 108               | 105    | 154    | 22 | 130 | 116 | 14            | M8x1P    | 75        | FSWW6310F-5.0P |               |
| 80         | 10   | 6.35      | 2.5x2                        | 5340                                | 23750     | 130               | 105    | 176    | 22 | 152 | 132 | 14            | M8x1P    | 90        | FSWW8010F-5.0P |               |



# RSVW



Note:

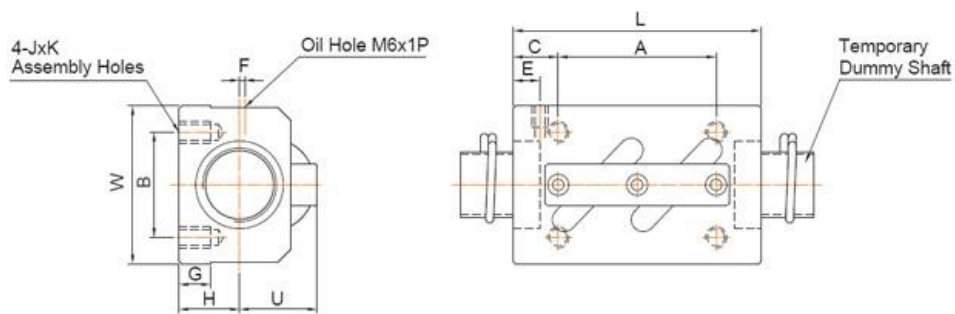
Stiff ness of nut:

Stiff ness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball DIA. | Effective turns<br>circuitxrow | BASIC RATE LOAD(kgf)                      |              | BALLNUT DIMENSION |        |          |    |             |    |           | Nut Model No.  |
|------------|------|-----------|--------------------------------|-------------------------------------------|--------------|-------------------|--------|----------|----|-------------|----|-----------|----------------|
| O.D.       | Lead |           |                                | Dynamic<br>(1×10 <sup>6</sup> REV.)<br>Ca | Static<br>Co | O.D.              | Length | Flange   |    | Return Tube |    | STIFFNESS |                |
|            |      |           |                                |                                           |              | D                 | L      | M        | T  | U           | V  | kgf/μm    |                |
| 14         | 4    | 2.381     | 3.5x1                          | 500                                       | 1100         | 25                | 42     | M24x1.0P | 10 | 19          | 21 | 15        | RSVW1404A-3.5P |
|            | 5    | 3.175     | 2.5x1                          | 515                                       | 990          | 30                | 43     | M26x1.5P | 10 | 19          | 21 | 11        | RSVW1405B-2.5P |
| 20         | 5    | 3.175     | 2.5x1                          | 625                                       | 1450         | 40                | 43     | M36x1.5P | 12 | 23          | 27 | 15        | RSVW2005B-2.5P |
| 25         | 5    | 3.175     | 2.5x1                          | 720                                       | 1830         | 42                | 48     | M40x1.5P | 15 | 28          | 32 | 18        | RSVW2505B-2.5P |
|            |      |           | 2.5x2                          | 1120                                      | 3710         |                   | 63     |          |    |             |    | 37        | RSVW2505B-5.0P |
|            | 10   | 6.350     | 2.5x1                          | 1720                                      | 3590         | 44                | 68     | M42x1.5P | 15 | 34          | 37 | 21        | RSVW2510F-2.5P |
|            |      |           | 2.5x2                          | 3200                                      | 7170         |                   | 98     |          |    |             |    | 40        | RSVW2510F-5.0P |
| 32         | 10   | 6.350     | 2.5x1                          | 1930                                      | 4680         | 55                | 72     | M50x1.5P | 18 | 37          | 44 | 25        | RSVW3210F-2.5P |
|            |      |           | 2.5x2                          | 3130                                      | 9410         |                   | 101    |          |    |             |    | 49        | RSVW3210F-5.0P |
| 40         | 10   | 6.350     | 3.5x2                          | 4450                                      | 16800        | 65                | 128    | M60x2.0P | 25 | 44          | 52 | 81        | RSVW4010F-7.0P |
| 50         | 10   | 6.350     | 3.5x2                          | 4940                                      | 21000        | 80                | 143    | M75x2.0P | 40 | 48          | 62 | 98        | RSVW5010F-7.0P |



# SSVW



Note:  
 Stiff ness of nut:  
 Stiff ness values listed above are derived from theoretical formula to the elastic deformation between thread grooves and balls while axial load is 30% dynamic load rating.

| Screw size |      | Ball DIA. | Effective turns circuit x row | BASIC RATE LOAD(kgf)                |           | BALLNUT DIMENSION |       |        |               |    |      |       |                      |   |                               |    |           | Nut Model No.  |
|------------|------|-----------|-------------------------------|-------------------------------------|-----------|-------------------|-------|--------|---------------|----|------|-------|----------------------|---|-------------------------------|----|-----------|----------------|
|            |      |           |                               |                                     |           | Length            | Width | Height | Assembly Hole |    |      |       | Position of Oil Hole |   | Height from Reference Surface |    | STIFFNESS |                |
| O.D.       | Lead |           |                               | Dynamic (1×10 <sup>6</sup> REV.) Ca | Static Co | L                 | W     | H      | A             | B  | C    | JxK   | E                    | F | G                             | U  | kgf/μm    |                |
| 14         | 4    | 2.381     | 3.5x1                         | 500                                 | 1110      | 35                | 34    | 13     | 22            | 26 | 6.5  | M4x7  | 6                    | 2 | 6                             | 18 | 15        | SSVW1404A-3.5P |
|            | 5    | 3.175     | 2.5x1                         | 515                                 | 990       | 35                | 34    | 13     | 22            | 26 | 6.5  | M4x7  | 6                    | 2 | 6                             | 18 | 11        | SSVW1405B-2.5P |
| 16         | 5    | 3.175     | 2.5x1                         | 590                                 | 1210      | 35                | 42    | 16     | 22            | 32 | 6.5  | M5x8  | 6                    | 2 | 8                             | 21 | 13        | SSVW1605B-2.5P |
| 20         | 5    | 3.175     | 2.5x1                         | 625                                 | 1450      | 35                | 48    | 17     | 22            | 35 | 6.5  | M6x10 | 6                    | 3 | 9.15                          | 22 | 15        | SSVW2005B-2.5P |
|            | 10   | 4.762     | 2.5x1                         | 1100                                | 2220      | 58                | 48    | 18     | 35            | 35 | 11.5 | M6x10 | 10                   | 2 | 9.5                           | 25 | 16        | SSVW2010D-2.5P |
| 25         | 5    | 3.175     | 2.5x1                         | 720                                 | 1830      | 35                | 60    | 20     | 22            | 40 | 6.5  | M8x12 | 7                    | 5 | 9.5                           | 25 | 18        | SSVW2505B-2.5P |
|            | 10   | 6.350     | 2.5x2                         | 3240                                | 7170      | 94                | 60    | 23     | 60            | 40 | 17   | M8x12 | 10                   | - | 10                            | 30 | 40        | SSVW2510F-5.0P |
| 28         | 6    | 3.175     | 2.5x2                         | 1380                                | 4140      | 67                | 60    | 22     | 40            | 40 | 13.5 | M8x12 | 8                    | 5 | 10                            | 27 | 39        | SSVW2806B-5.0P |
| 32         | 10   | 6.350     | 2.5x1                         | 1930                                | 4680      | 64                | 70    | 26     | 45            | 50 | 9.5  | M8x12 | 10                   | - | 12                            | 36 | 25        | SSVW3210F-2.5P |
|            |      |           | 2.5x2                         | 3130                                | 9410      | 94                |       |        | 60            |    | 17   |       |                      |   |                               |    | 49        | SSVW3210F-5.0P |