

### BSQU/1

#### BALL SCREW BEARING CARTRIDGE UNITS



| Shaft Dia. mm | SNFA                | Dimensions without tolerances: ± 0.13 mm |      |         |       |      |      |         |       |      |       |      |      |       |      | C <sub>33</sub> | C <sub>0</sub> | C <sub>r</sub> | R <sub>a</sub> | Axial Runout μm | M   | Vg*  |      |
|---------------|---------------------|--|------|---------|-------|------|------|---------|-------|------|-------|------|------|-------|------|-----------------|----------------|----------------|----------------|-----------------|-----|------|------|
|               |                     | A  | B    | C       | D     | E    | F    | G       | H     | I    | J     | K    | L    | M     | N    |                 |                |                |                |                 |     |      | P    |
| 30            | BSQU 230/1 TDT 720  | 30.000                                   | 41.0 | 88.000  | 120.0 | 3.5  | 15.0 | 86.260  | 86.0  | 50.0 | 88.0  | 45.0 | 9.2  | 102.0 | 35.0 | M8x1.25         | 3985           | 10800          | 37             | 200             | 2.5 | 3.7  | 2400 |
|               | BSQU 230/1 TFT 720  | 29.996                                   |      | 87.985  |       |      |      | 84.740  |       |      |       |      |      |       |      |                 |                |                |                |                 |     |      |      |
| 40            | BSQU 240/1 TDT 1200 | 40.000                                   | 55.0 | 128.000 | 165.0 | 4.0  | 24.0 | 106.260 | 106.0 | 66.0 | 128.0 | 65.5 | 11.4 | 146.0 | 35.0 | M10x1.5         | 6070           | 18200          | 81             | 274             | 2.5 | 10.0 | 1900 |
|               | BSQU 240/1 TFT 1200 | 39.995                                   |      | 127.982 |       |      |      | 104.740 |       |      |       |      |      |       |      |                 |                |                |                |                 |     |      |      |
| 50            | BSQU 250/1 TDT 1360 | 50.000                                   | 66.0 | 128.000 | 165.0 | 4.0  | 24.0 | 106.260 | 106.0 | 76.0 | 128.0 | 65.5 | 11.4 | 146.0 | 35.0 | M10x1.5         | 6210           | 20600          | 106            | 306             | 2.5 | 9.3  | 1550 |
|               | BSQU 250/1 TFT 1360 | 49.995                                   |      | 127.982 |       |      |      | 104.740 |       |      |       |      |      |       |      |                 |                |                |                |                 |     |      |      |
| 60            | BSQU 260/1 TDT 2080 | 60.000                                   | 80.0 | 145.000 | 185.0 | 20.5 | 25.0 | 114.260 | 114.0 | 92.0 | 145.0 | 74.5 | 11.4 | 165.0 |      | M10x1.5         | 9400           | 31600          | 176            | 370             | 2.5 | 12.3 | 1300 |
|               | BSQU 260/1 TFT 2080 | 59.993                                   |      | 144.982 |       |      |      | 112.740 |       |      |       |      |      |       |      |                 |                |                |                |                 |     |      |      |

Final number in reference is the bearing set preload value in daN. Special preload values are available on request.

\* Max speed with grease (rpm). Cartridge units will be supplied greased with high quality synthetic grease.

