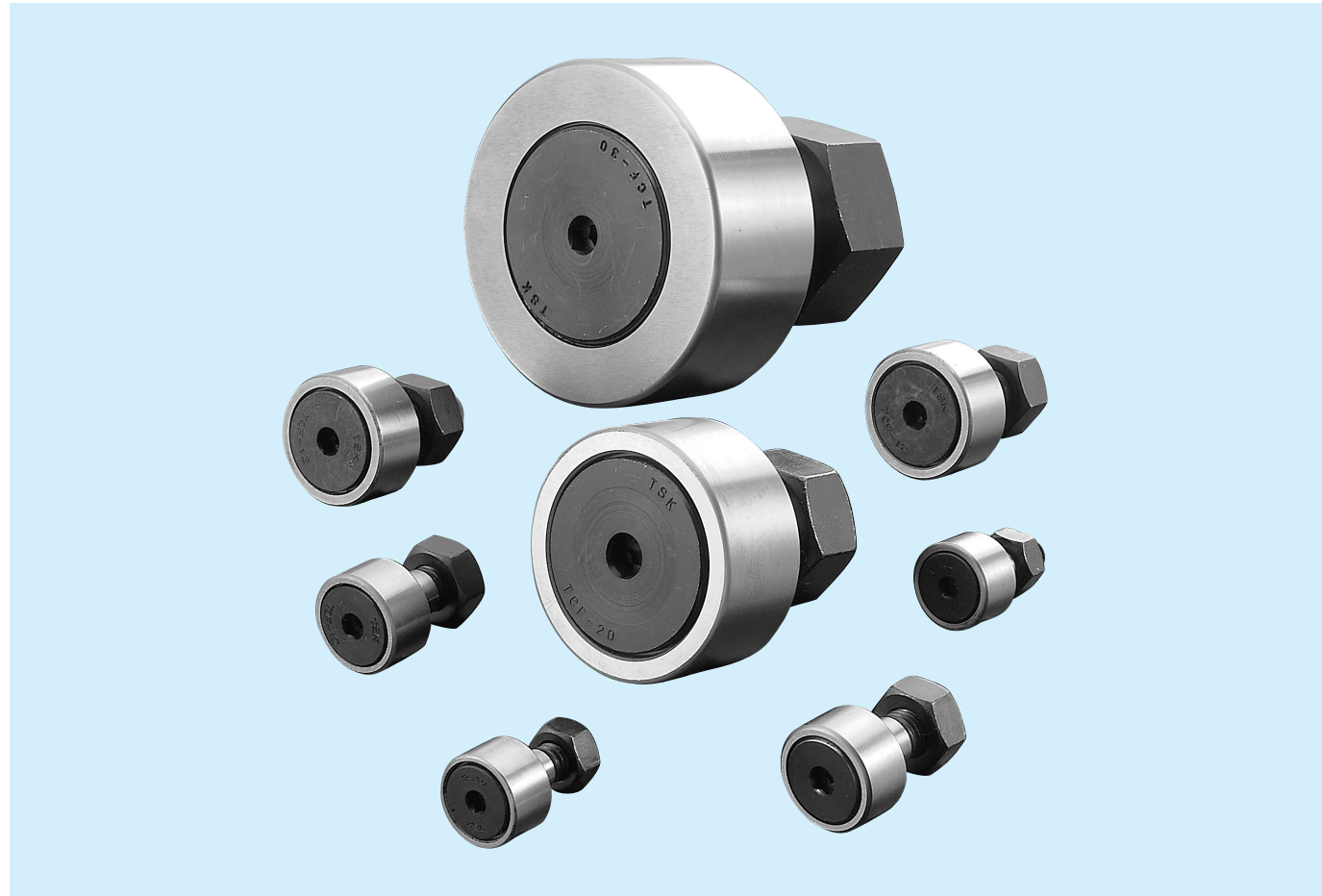


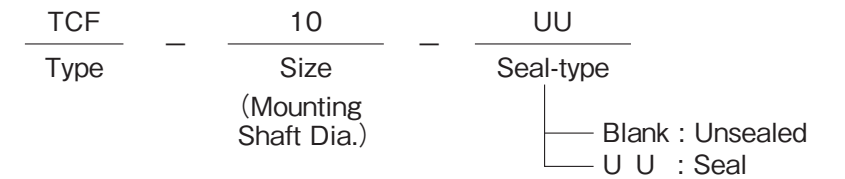
# TSK Cam Followers



**Structure & Advantages** The cam follower is a compact and mighty bearing composed of both the set-in needle bearing and a stud. An outer ring contacting the surface of a counterpart rotates smoothly and can do high-speed rotation, too. The cam followers are widely used as the mechanism of cam, linear motion or index feeding in the industrial machines such as automatic and special-purpose machines.

**Code Name**

Code Name is arranged in the following way.



**Track Load Capacity**

The track load capacity means the allowable load which permits continual motion over a long period of time without deforming or scratching the material of an opposite track by the contact of the outer ring of a cam follower with the opposite. If the hardness of the opposite material is different from HRC40, please calculate the value of Track Load Capacity by multiplying the value in Table 1 by the coefficient of Track Load Capacity in the table of dimension at page 249.

**Allowable Stud Load**

The limitation of allowable load on a cam follower is determined by three factors. They are the capacities of needle roller bearing, track load and stud. The value of stud is shown in the table of dimension (P.249) under the name of stud allowable load.

Table1 Track Load Capacity Coefficient

| Hardness HRC | Elongation kgf/mm <sup>2</sup> | Track Load Capacity Coefficient | Hardness HRC | Elongation kgf/mm <sup>2</sup> | Track Load Capacity Coefficient |
|--------------|--------------------------------|---------------------------------|--------------|--------------------------------|---------------------------------|
| 20           | 77                             | 0.37                            | 46           | 156                            | 1.51                            |
| 25           | 86                             | 0.46                            | 48           | 167                            | 1.73                            |
| 30           | 97                             | 0.58                            | 50           | 179                            | 1.99                            |
| 35           | 110                            | 0.75                            | 52           | 192                            | 2.29                            |
| 38           | 120                            | 0.89                            | 54           | 205                            | 2.61                            |
| 40           | 127                            | 1.00                            | 56           | 219                            | 2.97                            |
| 42           | 136                            | 1.15                            | 58           | 234                            | 3.39                            |
| 44           | 146                            | 1.32                            |              |                                |                                 |