

# DC-RACES

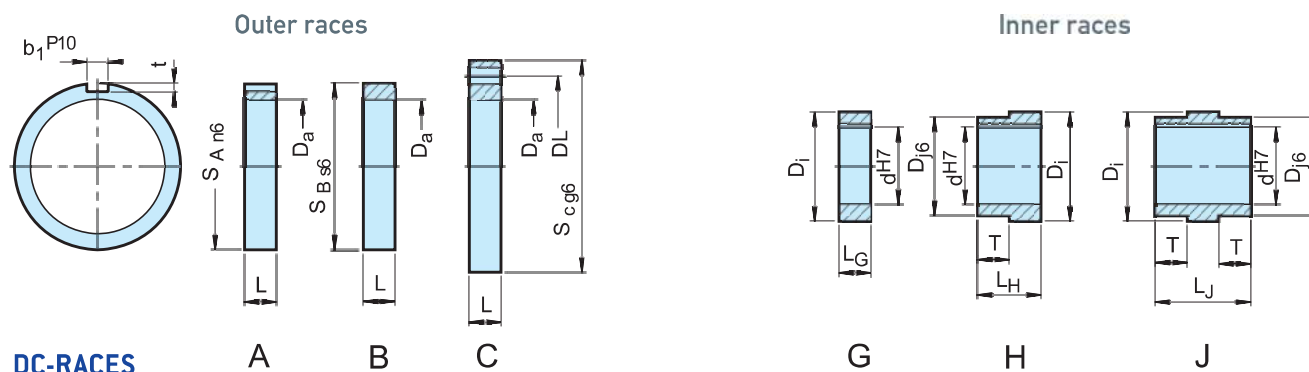
## TYPE



**D**C races are offered for use with the DC freewheel cages shown on the previous pages. The cage and race assembly, makes a non-bearing supported freewheel.

Bearing support for axial and radial loads must be provided, along with lubrication and sealing. The sprag space tolerance must not be exceeded when all bearing clearances and mounting tolerances are considered, (» see table page 43).

Taper between races should be below 0,007 mm for 25 mm width. Outer races type A and B should be pressed into housings that will not deform after assembly. Please contact our technical department if you need to transmit maximum freewheel torque capacity with A and G type. Key stresses may have to be checked.



DC-RACES

A

B

C

G

H

J

1) Keyway to DIN 6885.1

| Size        |                         |                        |                        |                        |                         |           |                                         |           |                          |                                       |           |                          |                           |                 | Number of holes<br>× a |                               | Corresponding<br>DC Type                  |
|-------------|-------------------------|------------------------|------------------------|------------------------|-------------------------|-----------|-----------------------------------------|-----------|--------------------------|---------------------------------------|-----------|--------------------------|---------------------------|-----------------|------------------------|-------------------------------|-------------------------------------------|
|             | d <sub>H7</sub><br>[mm] | L <sub>G</sub><br>[mm] | L <sub>H</sub><br>[mm] | L <sub>J</sub><br>[mm] | D <sub>J6</sub><br>[mm] | T<br>[mm] | D <sub>i</sub> +0.008<br>-0.005<br>[mm] | L<br>[mm] | S <sub>An6</sub><br>[mm] | b <sub>1</sub> <sup>P10</sup><br>[mm] | t<br>[mm] | S <sub>Bs6</sub><br>[mm] | S <sub>c g6</sub><br>[mm] | DL ±0.1<br>[mm] |                        | D <sub>a</sub> ±0.013<br>[mm] |                                           |
| DC 230A     |                         |                        |                        |                        |                         |           |                                         | 16        | 72                       | 6                                     | 3.5       |                          |                           |                 |                        | 54,752                        | DC 3809A                                  |
| DC 230B     |                         |                        |                        |                        |                         |           |                                         | 16        |                          |                                       |           | 72                       |                           |                 |                        | 54,752                        |                                           |
| DC 230C     |                         |                        |                        |                        |                         |           |                                         | 16        |                          |                                       |           |                          | 95                        | 78              | 8 × 7                  | 54,752                        |                                           |
| DC 230 G-10 | 10                      | 16                     |                        |                        |                         |           |                                         | 38,092    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 230 G-15 | 15                      | 16                     |                        |                        |                         |           |                                         | 38,092    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 230 G-20 | 20                      | 16                     |                        |                        |                         |           |                                         | 38,092    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 230 H-10 | 10                      |                        | 33                     |                        | 35                      | 17        |                                         | 38,092    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 230 H-15 | 15                      |                        | 33                     |                        | 35                      | 17        |                                         | 38,092    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 230 H-20 | 20                      |                        | 33                     |                        | 35                      | 17        |                                         | 38,092    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 230 J-10 | 10                      |                        |                        | 50                     | 35                      | 17        |                                         | 38,092    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 230 J-15 | 15                      |                        |                        | 50                     | 35                      | 17        |                                         | 38,092    |                          |                                       |           |                          |                           |                 |                        |                               | DC 5476A<br>DC 5476A (4c)                 |
| DC 230 J-20 | 20                      |                        |                        | 50                     | 35                      | 17        |                                         | 38,092    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 167A     |                         |                        |                        |                        |                         |           |                                         | 16        | 90                       | 10                                    | 5         |                          |                           |                 |                        | 71,425                        |                                           |
| DC 167B     |                         |                        |                        |                        |                         |           |                                         | 16        |                          |                                       |           | 90                       |                           |                 |                        | 71,425                        |                                           |
| DC 167C     |                         |                        |                        |                        |                         |           |                                         | 16        |                          |                                       |           |                          | 110                       | 95              | 8 × 9                  | 71,425                        |                                           |
| DC 167G-25  | 25                      | 16                     |                        |                        |                         |           |                                         | 54,765    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 167G-30  | 30                      | 16                     |                        |                        |                         |           |                                         | 54,765    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 167G-35  | 35                      | 16                     |                        |                        |                         |           |                                         | 54,765    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 167H-25  | 25                      |                        | 35                     |                        | 50                      | 19        |                                         | 54,765    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 167H-30  | 30                      |                        | 35                     |                        | 50                      | 19        |                                         | 54,765    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 167H-35  | 35                      |                        | 35                     |                        | 50                      | 19        |                                         | 54,765    |                          |                                       |           |                          |                           |                 |                        |                               | DC 7221 (5c)<br>DC 7221B<br>DC 7221B (5c) |
| DC 167J-25  | 25                      |                        |                        | 54                     | 50                      | 19        |                                         | 54,765    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 167J-30  | 30                      |                        |                        | 54                     | 50                      | 19        |                                         | 54,765    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 167J-35  | 35                      |                        |                        | 54                     | 50                      | 19        |                                         | 54,765    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 168A     |                         |                        |                        |                        |                         |           |                                         | 21        | 110                      | 14                                    | 5.5       |                          |                           |                 |                        | 88,877                        |                                           |
| DC 168B     |                         |                        |                        |                        |                         |           |                                         | 21        |                          |                                       |           | 110                      |                           |                 |                        | 88,877                        |                                           |
| DC 168C     |                         |                        |                        |                        |                         |           |                                         | 21        |                          |                                       |           |                          | 140                       | 120             | 8 × 11                 | 88,877                        |                                           |
| DC 168G-40  | 40                      | 21                     |                        |                        |                         |           |                                         | 72,217    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 168G-45  | 45                      | 21                     |                        |                        |                         |           |                                         | 72,217    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 168G-50  | 50                      | 21                     |                        |                        |                         |           |                                         | 72,217    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 168H-40  | 40                      |                        | 42                     |                        | 65                      | 21        |                                         | 72,217    |                          |                                       |           |                          |                           |                 |                        |                               | DC 10323A (5c)                            |
| DC 168H-45  | 45                      |                        | 42                     |                        | 65                      | 21        |                                         | 72,217    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 168H-50  | 50                      |                        | 42                     |                        | 65                      | 21        |                                         | 72,217    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 168J-40  | 40                      |                        |                        | 63                     | 65                      | 21        |                                         | 72,217    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 168J-45  | 45                      |                        |                        | 63                     | 65                      | 21        |                                         | 72,217    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 168J-50  | 50                      |                        |                        | 63                     | 65                      | 21        |                                         | 72,217    |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 235A     |                         |                        |                        |                        |                         |           |                                         | 16        | 150                      | 20                                    | 7.5       |                          |                           |                 |                        | 119,891                       |                                           |
| DC 235B     |                         |                        |                        |                        |                         |           |                                         | 16        |                          |                                       |           | 150                      |                           |                 |                        | 119,891                       |                                           |
| DC 235C     |                         |                        |                        |                        |                         |           |                                         | 16        |                          |                                       |           |                          | 190                       | 170             | 8 × 11                 | 119,891                       |                                           |
| DC 235G-55  | 55                      | 16                     |                        |                        |                         |           |                                         | 103,231   |                          |                                       |           |                          |                           |                 |                        |                               | DC 10323A (5c)                            |
| DC 235G-60  | 60                      | 16                     |                        |                        |                         |           |                                         | 103,231   |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 235G-75  | 75                      | 16                     |                        |                        |                         |           |                                         | 103,231   |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 235H-55  | 55                      |                        | 43                     |                        | 100                     | 27        |                                         | 103,231   |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 235H-60  | 60                      |                        | 43                     |                        | 100                     | 27        |                                         | 103,231   |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 235H-75  | 75                      |                        | 43                     |                        | 100                     | 27        |                                         | 103,231   |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 235J-55  | 55                      |                        |                        | 70                     | 100                     | 27        |                                         | 103,231   |                          |                                       |           |                          |                           |                 |                        |                               |                                           |
| DC 235J-60  | 60                      |                        |                        | 70                     | 100                     | 27        |                                         | 103,231   |                          |                                       |           |                          |                           |                 |                        |                               |                                           |