

## SÄKERHETSKOPPLINGAR SERIE SKB-KP

### Säkerhetskoppling SKB-KP

#### SKB-KP-1000 Säkerhetskoppling

- Optimalt överlastskydd
- Steglös momentjustering
- Klämnar på båda sidor
- Glappfri



#### PRODUKTBESKRIVNING

Säkerhetskoppling från Jakob Antriebstechnik GmbH med inbyggt överlastskydd som kopplar ur när ett visst vridmoment överskrids. Axelkopplingen är konstruerad för att tåla viss vinkelavvikelse mellan axlarna.

## TEKNISK DATA

|                              |             |
|------------------------------|-------------|
| <b>D</b>                     | 181 mm      |
| <b>Diameter</b>              | 181 mm      |
| <b>Justerbart vridmoment</b> | 500-1000 Nm |
| <b>L</b>                     | 220 mm      |
| <b>Max axelhål</b>           | 100 mm      |
| <b>Min axelhål</b>           | 42 mm       |

| SKB-KP<br>size | setting range<br>disengagement<br>torque T <sub>set</sub> [Nm] | moment<br>of inertia<br>J [kgm <sup>2</sup> ] | mass<br>approx. [kg] | torsional<br>stiffness<br>[Nm/radmm] | max. shaft<br>mis-<br>alignment [mm] | axial<br>lateral | tightening torque<br>of screws<br>F [Nm] | e D1<br>min max | e D2<br>min max |        |    |      |
|----------------|----------------------------------------------------------------|-----------------------------------------------|----------------------|--------------------------------------|--------------------------------------|------------------|------------------------------------------|-----------------|-----------------|--------|----|------|
| 6              | 2 - 6                                                          | 0.13                                          | 0.45                 | 2.1                                  | 0.5                                  | 0.15             | M8-8                                     | M8-10           | 6               | 19(24) | 6  | 16   |
| 12             | 6 - 12                                                         |                                               |                      |                                      |                                      |                  |                                          |                 | 8               | 32     | 10 | 25.4 |
| 15             | 13 - 30                                                        | 0.5                                           | 1.0                  | 9                                    | 0.5                                  | 0.2              | M8-14                                    | M8-18           | 10              | 32     | 12 | 25.4 |
| 30             | 22 - 45                                                        |                                               |                      |                                      |                                      |                  |                                          |                 | 12              | 32     | 14 | 25.4 |
| 60             | 25 - 60                                                        | 1.5                                           | 1.9                  | 20                                   | 0.6                                  | 0.2              | *M8-35 (30)                              | M8-40           | 14              | 30(36) | 18 | 35   |
| 100            | 40 - 100                                                       |                                               |                      |                                      |                                      |                  |                                          |                 | 13              | 30(36) | 18 | 35   |
| 150            | 60 - 150                                                       |                                               |                      |                                      |                                      |                  |                                          |                 | 21              | 30(36) | 24 | 35   |
| 230            | 80 - 230                                                       | 5.5                                           | 3.8                  | 28                                   | 0.8                                  | 0.2              | *M10-55 (50)                             | M10-60          | 24              | 32(43) | 24 | 44   |
| 330            | 130 - 330                                                      |                                               |                      |                                      |                                      |                  |                                          |                 | 32              | 32(43) | 32 | 44   |
| 500            | 200 - 500                                                      | 14.0                                          | 6.8                  | 52                                   | 0.8                                  | 0.2              | *M12-115 (90)                            | M12-120         | 35              | 42(53) | 28 | 56   |
| 800            | 350 - 800                                                      | 17.2                                          | 8.3                  | 106                                  | 0.7                                  | 0.2              | *M14-180 (140)                           | M14-200         | 42              | 55(66) | 40 | 58   |
| 1000           | 500 - 1000                                                     | 80                                            | 20                   | 150                                  | 0.8                                  | 0.2              | *M14-180 (140)                           | 2xM16-290       | 45              | 65(75) | 42 | 100  |
| 2000           | 800 - 2000                                                     | 95                                            | 71                   | 210                                  | 1                                    | 0.3              | *M16-300                                 | 2xM16-290       | 58              | 90     | 45 | 100  |

| SKB-KP     | Öa   | Öb      | Öc  | e  | g1   | g2   | h1   | h2    | k*   | Ls1   | s   | t1   | t2   | w    |
|------------|------|---------|-----|----|------|------|------|-------|------|-------|-----|------|------|------|
| 6/12       | 52.5 | 40 (45) | 48  | 14 | 13   | 13.5 | 6    | 6     | 36.6 | 81    | 0.9 | 16.5 | 41   | 16   |
| 15/30/45   | 69   | 56      | 66  | 16 | 19   | 19.5 | 8    | 7.5   | 43   | 94.5  | 1.2 | 20   | 48   | 18.5 |
| 60/100/150 | 88   | 71      | 83  | 20 | 25   | 25.5 | 9    | 8.5   | 45.5 | 107   | 1.6 | 22   | 55.5 | 22   |
| 230/330    | 115  | 82      | 109 | 23 | 28.5 | 32   | 11.5 | 10.5  | 52   | 132   | 1.8 | 26   | 72   | 26   |
| 500        | 137  | 101     | 132 | 32 | 35   | 42   | 13   | 13.5  | 60   | 156   | 2.5 | 29   | 87.5 | 37   |
| 800        | 137  | 122     | 132 | 32 | 42   | 42   | 16   | 13.5  | 74.5 | 170   | 2.5 | 34   | 87.5 | 37   |
| 1000       | 181  | 133     | 185 | 74 | 47   | 69   | 16.5 | 17/30 | 87.5 | 220x2 | 3.7 | 45   | 124  | 74   |
| 2000       | 181  | 137     | 185 | 74 | 54   | 69   | 17.5 | 17/30 | 89   | 232   | 3.7 | 50   | 124  | 74   |

(\*) note: reduced tightening torque for bigger hub bore diameter - see also D D1/D2 max!