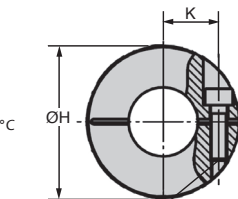


- Backlash and maintenance free
- High torsional stiffness
- Low moment of inertia
- Shaft/bore link without backlash
- Recommended assembly tolerances H7/g6
- Working temperature -30°C to +100°C
- Materials:

Hub: aluminium

Bellows: stainless steel

- Please specify bore size on order (between min and max Ø)



G ISO 4762(DIN 912)

\*Undercut diameter



clamp fixing

### Options

- Keyway according to DIN6885 on request (tolerance JS9)
- Orientation of the keyways at 180° to each other
- Stainless steel version on request

### Torque calculation

- Use the formula

$$T_{KN} > K \times T_{AS} \times J_{mach} / (U_{mot} + J_{mach}) \text{ in Nm}$$

With following safety coefficient:

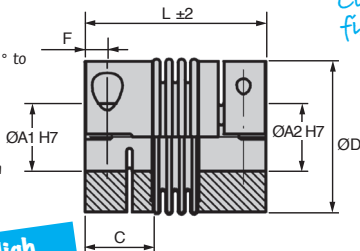
K = 1.5 for regular motion

K = 2 for irregular motion

K = 2.5 - 4 for jerky motion

Jx = moment of inertia (machine + motor)

T<sub>AS</sub> Required torque



High Precision

### DISCOUNTS

| Qty   | 1+   | 3+  | 6+         |
|-------|------|-----|------------|
| Disc. | List | -8% | On request |

| Part number | Max. speed (rpm) | radial (mm) | Misalignment axial (mm) | angular | Nominal torque (Nm) | Torsional stiffness (10 <sup>3</sup> Nm/Rad) | Moment of inertia (10 <sup>-3</sup> kgm <sup>2</sup> ) | Tightening torque (Nm) | Weight (kg) |
|-------------|------------------|-------------|-------------------------|---------|---------------------|----------------------------------------------|--------------------------------------------------------|------------------------|-------------|
| AKN18-63    | 12 700           | 0,2         | 0,5                     | 1,5°    | 22                  | 8                                            | 0,05                                                   | 6                      | 0,13        |
| AKN30-65    | 10 200           | 0,1         | 0,4                     | 1,0°    | 36                  | 35                                           | 0,11                                                   | 12                     | 0,25        |
| AKN60-78    | 8 600            | 0,1         | 0,4                     | 1,0°    | 75                  | 75                                           | 0,29                                                   | 30                     | 0,41        |
| AKN80-91    | 6 800            | 0,2         | 0,4                     | 1,0°    | 95                  | 130                                          | 0,87                                                   | 60                     | 0,74        |
| AKN150-91   | 6 800            | 0,2         | 0,4                     | 1,0°    | 180                 | 150                                          | 0,87                                                   | 85                     | 0,74        |

| Part number | ØA mini. | ØA maxi. | L  | ØD | C  | F  | G   | K  | ØH | Pric each No keyway | 1 to 2 With keyway |
|-------------|----------|----------|----|----|----|----|-----|----|----|---------------------|--------------------|
| AKN18-63    | 8        | 26       | 63 | 45 | 20 | 6  | M5  | 18 | 48 | 194,97€             | 225,75€            |
| AKN30-65    | 10       | 30       | 65 | 55 | 25 | 8  | M6  | 20 | 55 | 242,24€             | 273,03€            |
| AKN60-78    | 12       | 35       | 78 | 64 | 29 | 10 | M8  | 24 | 67 | 273,76€             | 304,54€            |
| AKN80-91    | 14       | 42       | 90 | 80 | 33 | 12 | M10 | 28 | 84 | 311,18€             | 341,97€            |
| AKN150-91   | 14       | 42       | 90 | 80 | 33 | 12 | M10 | 28 | 84 | 371,88€             | 403,03€            |

Dimensions in mm