

## Couplings

Dimension in mm.

The maximum transmittable torque of the clamping hub depends on the bore diameter and is limited to the size of the PNCE.



### Max. transmittable and drive torque $M_{p,c}$ [Nm] depending on bore diameter

| Designation | Ø4  | Ø5 | Ø8 | Ø16 | Ø19 | Ø25 | Ø30 | Ø32 | Ø35 |
|-------------|-----|----|----|-----|-----|-----|-----|-----|-----|
| EKL 5       | 1,5 | 2  | 8  | -   | -   | -   | -   | -   | -   |
| EKL 10      | -   | 4  | 12 | 32  | -   | -   | -   | -   | -   |
| EKL 20      | -   | -  | 20 | 35  | 45  | 60  | -   | -   | -   |
| EKL 60      | -   | -  | -  | 50  | 80  | 100 | 110 | 120 | -   |
| EKL 150     | -   | -  | -  | -   | 120 | 160 | 180 | 200 | 220 |

### Max. transmittable and drive torque $M_{p,c}$ [Nm] limited to PNCE size

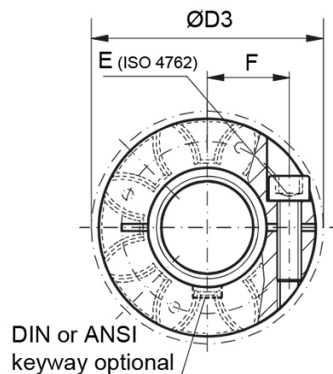
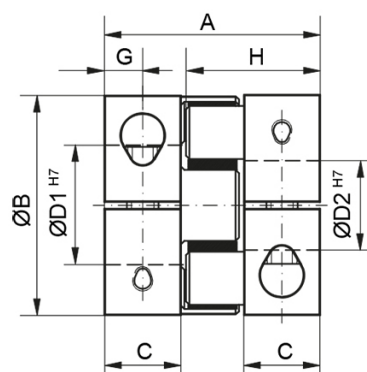
| Designation | PNCE 32 | PNCE 40 | PNCE 50 | PNCE 63 | PNCE 80 | PNCE 100 |
|-------------|---------|---------|---------|---------|---------|----------|
| EKL 5       | 2,2     | -       | -       | -       | -       | -        |
| EKL 10      | 2,2     | 5,3     | 13,9    | -       | -       | -        |
| EKL 20      | -       | -       | 13,9    | 33,1    | -       | -        |
| EKL 60      | -       | -       | -       | 35,1    | 60,7    | -        |
| EKL 150     | -       | -       | -       | -       | -       | 160      |

## General Data

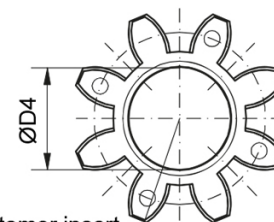
| Designation | Moment of inertia<br>per hub ( $10^{-3}$ kg m <sup>2</sup> ) | Speed standard<br>(min <sup>-1</sup> ) | Max. Torque (Nm) | Rated Torque (Nm) | Tightening Torque<br>of the Clamping<br>Screw (Nm) |
|-------------|--------------------------------------------------------------|----------------------------------------|------------------|-------------------|----------------------------------------------------|
| EKL 5       | 0.002                                                        | 15000                                  | 18               | 9                 | 2                                                  |
| EKL 10      | 0.003                                                        | 13000                                  | 25               | 12.5              | 4                                                  |
| EKL 20      | 0.01                                                         | 12500                                  | 34               | 17                | 8                                                  |
| EKL 60      | 0.04                                                         | 11000                                  | 120              | 60                | 15                                                 |
| EKL 150     | 0.08                                                         | 10000                                  | 320              | 160               | 35                                                 |

| Designation | Weight (kg) |
|-------------|-------------|
| EKL 5       | ≈ 0.02      |
| EKL 10      | ≈ 0.05      |
| EKL 20      | ≈ 0.12      |
| EKL 60      | ≈ 0.3       |
| EKL 150     | ≈ 0.5       |

## Dimensions



DIN or ANSI  
keyway optional



Elastomer insert  
Type A (Shore hardness 98 A)

| Designation | A  | B    | D1 | D2   | D3   | D4   | E  | F    | G   |
|-------------|----|------|----|------|------|------|----|------|-----|
| EKL 5       | 26 | 25   | 4  | 12.7 | 25   | 10.2 | M3 | 8    | 4   |
| EKL 10      | 32 | 32   | 4  | 16   | 32   | 14.2 | M4 | 10.5 | 5   |
| EKL 20      | 50 | 42   | 8  | 25   | 44.5 | 19.2 | M5 | 15.5 | 8.5 |
| EKL 60      | 58 | 56   | 12 | 32   | 57   | 26.2 | M6 | 21   | 10  |
| EKL 150     | 62 | 66.5 | 19 | 36   | 68   | 29.2 | M8 | 24   | 11  |

| Designation | C    | H    |
|-------------|------|------|
| EKL 5       | 8    | 16.7 |
| EKL 10      | 10.3 | 20.7 |
| EKL 20      | 17   | 31   |
| EKL 60      | 20   | 36   |
| EKL 150     | 21   | 39   |