

# Rutschkupplung ECS

# Friction Clutch ECS

- für indirekte Antriebe
- mit Passfedernut-Verbindung, kompakt
- optional in korrosionsgeschützter Ausführung
- Kettenrad optional mitbestellbar

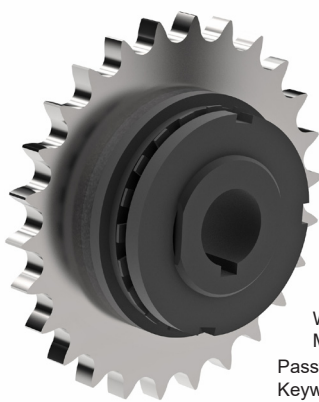
- for indirect drives
- easy installation with keyway, compact
- optionally corrosion protected
- sprocket optional orderable

| ECS    | Einstellbereich TA [Nm] |        | max. Drehzahl        | Trägheitsmoment                      | Masse [kg] |       | Nabenbohrung ØD [mm]  |     |     |
|--------|-------------------------|--------|----------------------|--------------------------------------|------------|-------|-----------------------|-----|-----|
|        | setting range TA [Nm]   |        | max. speed           | moment of inertia                    | mass [kg]  |       | bore diameter ØD [mm] |     |     |
|        | min                     | max    | [min <sup>-1</sup> ] | [10 <sup>-3</sup> kgm <sup>2</sup> ] | „K“        | „L“   | pilot bore            | min | max |
| 20     | 1                       | 20     | 10.000               | 0,01                                 | 0,1        | -     | -                     | 6   | 8   |
| 34     | 1                       | 34     | 10.000               | 0,02                                 | 0,2        | 0,3   | -                     | 6   | 12  |
| 100    | 2                       | 100    | 7.600                | 0,08                                 | 0,4        | 0,5   | -                     | 6   | 20  |
| 210    | 6                       | 210    | 5.400                | 0,4                                  | 1,1        | 1,4   | -                     | 6   | 25  |
| 450    | 13                      | 450    | 4.200                | 1,2                                  | 2,2        | 2,8   | -                     | 6   | 38  |
| 950    | 26                      | 950    | 3.300                | 3,8                                  | 3,7        | 4,8   | 18                    | 19  | 45  |
| 1.200  | 80                      | 1.200  | 2.700                | 10                                   | 6,6        | 8,5   | 24                    | 25  | 55  |
| 2.600  | 160                     | 2.600  | 2.200                | 24                                   | 10,9       | 13,5  | 28                    | 30  | 65  |
| 4.800  | 300                     | 4.800  | 1.900                | 75,1                                 | 20,1       | 24,5  | 38                    | 40  | 80  |
| 8.000  | 500                     | 8.000  | 1.600                | 152                                  | 30,9       | 37,8  | 50                    | 52  | 100 |
| 14.000 | 800                     | 14.000 | 1.300                | 380,4                                | 49,1       | 60,8  | 60                    | 62  | 120 |
| 18.000 | 1.000                   | 18.000 | 1.200                | 869,3                                | 85,5       | 102,5 | 60                    | 62  | 130 |
| 23.000 | 1.500                   | 23.000 | 1.000                | 1.830,1                              | 124,5      | 147,7 | 60                    | 62  | 140 |

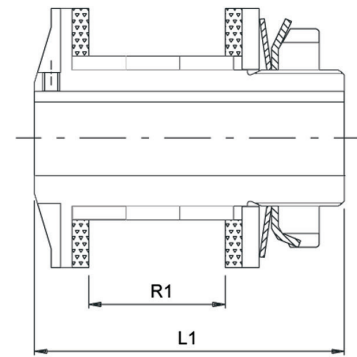
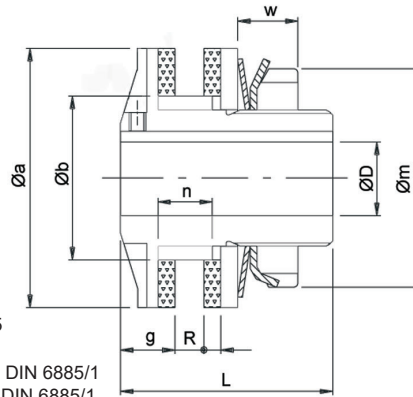
Das Ausrückmoment TA ist stufenlos einstellbar.

The disengagement torque TA is adjustable steplessly.

Bauform "L" (mit langer Nabe)  
version "L" (with long hub)



Werkstoff: C45  
Material: C45  
Passfedernut nach DIN 6885/1  
Keyway according DIN 6885/1



ab Größe 4800 mit Schrauben-Tellerfedern  
from size 4800 with screw-disc-spring assemblies

### Abmessungen / dimensions [mm]

| ECS    | Øa  | Øb h7 | Øm  | L   | L1  | g  | n   | R min/max | R1 max |
|--------|-----|-------|-----|-----|-----|----|-----|-----------|--------|
| 20     | 25  | 14    | 22  | 26  | -   | 5  | 5,5 | 1 / 3     | -      |
| 34     | 38  | 24    | 32  | 33  | 46  | 8  | 8   | 1 / 5     | 21     |
| 100    | 50  | 36    | 44  | 35  | 58  | 10 | 10  | 1 / 6     | 26     |
| 210    | 70  | 45    | 63  | 55  | 85  | 15 | 15  | 1 / 10    | 40     |
| 450    | 90  | 60    | 82  | 60  | 95  | 16 | 17  | 3 / 12    | 46     |
| 950    | 115 | 72    | 105 | 70  | 113 | 18 | 21  | 5 / 16    | 58     |
| 1.200  | 140 | 85    | 130 | 80  | 136 | 20 | 25  | 8 / 19    | 69     |
| 2.600  | 170 | 98    | 158 | 95  | 154 | 23 | 28  | 10 / 22   | 78     |
| 4.800  | 205 | 120   | 193 | 110 | 174 | 27 | 32  | 18 / 26   | 90     |
| 8.000  | 240 | 145   | 230 | 116 | 186 | 27 | 35  | 18 / 29   | 99     |
| 14.000 | 300 | 175   | 287 | 123 | 203 | 29 | 40  | 21 / 33   | 113    |
| 18.000 | 340 | 205   | 325 | 158 | 238 | 41 | 40  | 23 / 33   | 113    |
| 23.000 | 400 | 230   | 388 | 167 | 251 | 46 | 42  | 23 / 35   | 119    |

Bestellbeispiel / ordering example: ECS 100 K D = 25 H7 Nut/keyway 8H9 x 3,3 TA = 50 Nm

