



**Emco  
Dynatorq**

Title:

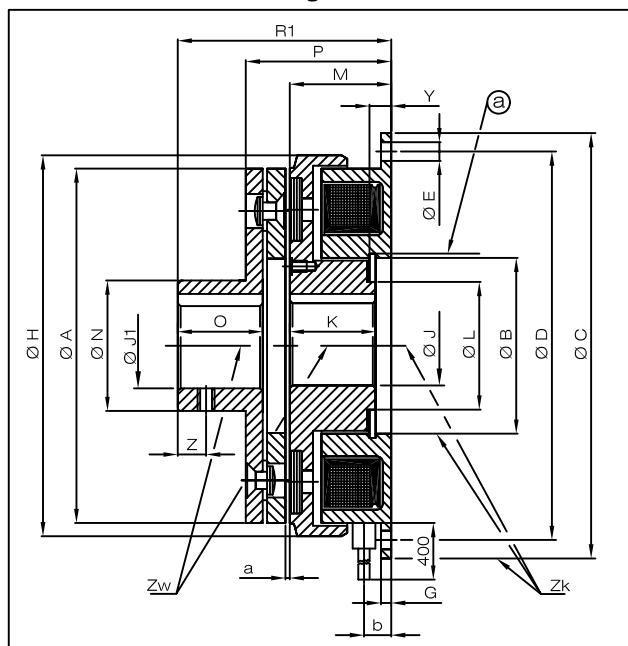
**ELECTROMAGNETIC CLUTCH**  
**TYPE - 14.105 Design 1.1 & 1.3 ( Normally Off )**

Reference:

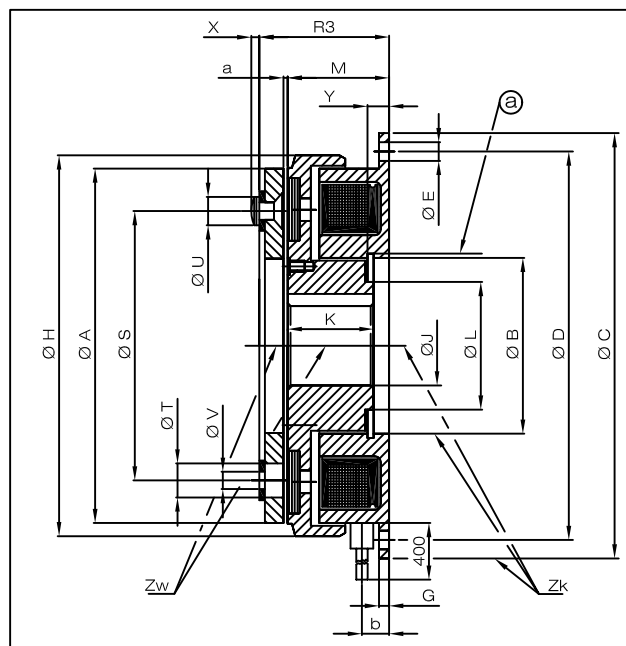
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**DIMENSIONS**

Design 1.1



Design 1.3



**PARAMETERS**

| Size                     |                          | 31       | 40       | 50       |
|--------------------------|--------------------------|----------|----------|----------|
| Torque                   | Ms [Nm]                  | 630      | 1250     | 2500     |
| Max. Speed               | rpm [min <sup>-1</sup> ] | 1500     | 1500     | 1500     |
| Input Power              | P20 [W]                  | 80       | 100      | 120      |
| Permissible misalignment | Zw [mm]                  | 0.15     | 0.2      | 0.2      |
|                          | Zk [mm]                  | 0.3      | 0.4      | 0.4      |
| ØA                       |                          | 315      | 400      | 500      |
| ØBH8                     |                          | 160      | 200      | 250      |
| ØCn9                     |                          | 355      | 440      | 540      |
| ØD                       |                          | 335      | 420      | 520      |
| ØE                       |                          | 11 x 8   | 14 x 8   | 14 x 8   |
| G                        |                          | 14       | 17       | 22       |
| ØH                       |                          | 332      | 418      | 526      |
| K                        |                          | 53       | 69.5     | 84       |
| ØL                       |                          | 130      | 160      | 190      |
| M                        |                          | 63       | 76.5     | 93       |
| ØN                       |                          | 135      | 175      | 225      |
| O                        |                          | 64       | 76       | 102      |
| P                        |                          | 92       | 112.5    | 138      |
| R1                       |                          | 143      | 172.5    | 220      |
| R3                       |                          | 79       | 96.5     | 118      |
| ØS                       |                          | 250      | 315      | 400      |
| ØT                       |                          | 28       | 32       | 35       |
| ØU                       |                          | 26 x 4   | 29 x 4   | 32 x 4   |
| ØV                       |                          | 16.2 x 4 | 18.2 x 4 | 20.2 x 4 |
| X                        |                          | 4        | 4.5      | 5        |
| Y                        |                          | 9        | 11       | 14       |
| a                        |                          | 1        | 1        | 1        |
| b                        |                          | 20       | 28       | 32       |
| ØJH <sup>7</sup> (max.)  |                          | 105      | 130      | 150      |
| ØJ1 <sup>H7</sup> (max.) |                          | 105      | 130      | 150      |

IMPORTANT : 1 Nm = 0.102 kgm = 0.737 lb. ft.

Standard voltages: 24 V.D.C.; 96 V.D.C.; 190 V.D.C.

Other voltages on request.

Ms: Dynamic Torque

All dimensions are in mm.

Keyways to DIN 6885/IS:2048

Ⓐ Circlip grooves to DIN 472/IS:3075 (Part 2).

P : Coil power at 20° C in W