REXNORD
PRECISION. POWER. PERFORMANCE.






# Rexnord Omega® E

## Precision. Power. Performance.

You want a trusted name when it comes to providing engineered power transmission products that improve productivity and efficiency. Rexnord provides superior products for your industrial applications world wide. We work closely with you to reduce maintenance costs, eliminate redundant inventories and prevent equipment downtime.

## Applications include:

- pumps
- compressors
- industrial fans
- mixers

## Rexnord Omega® E

The Rexnord Omega is a unique general purpose elastomer coupling with split element design providing easy assembly and replace-in-place service. Available in close coupled and spacer designs. These unique designs permits faster installation and reduced inveotories by providing multiple distance between shaft ends using the same elements and hubs. Rexnord Omega E design is used on close coupled applications.

**Ex Certified II 2GD c T5**

# Rexnord Omega® E

## Features

- Split in half element
- Torsionally soft
- Interchangeable hubs

## Benefits

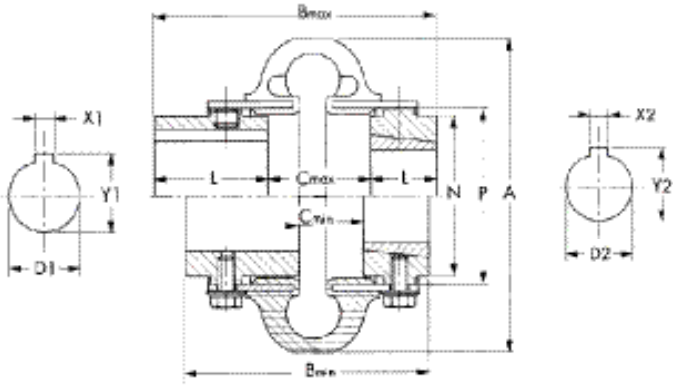
- Ease of installation
- Visual inspection
- Excellent vibration damping
- Low inventory requirements



## E

Finished bore hub

Taper bush hub




| Torque Demands Driven Machine | Typical Application for Electric Motor or Turbine Driven Equipment | Typical Service Factor |
|---|---|---|
| | Constant torque such as centrifugal pumps blowers and compressors | 1.0 |
| | Continuous duty with some torque variations including plastic extruders and forced draft fans | 1.5 |
| | Light shock loads from metal extruders, cooling towers and log haulers | 2.0 |
| | Moderate shock loading as expected from a car dumper, stone crusher, vibrating screen | 2.5 |
| | Heavy shock load with some negative torques from reciprocating pumps, compressors, reversing turnout tables | 3.0 |
| | Frequent torque reversals such as reciprocating compressors with frequent torque reversals which do not necessarily include reverse rotations | Consult Rexnord Engineering |

| Size | Tnom Nm | n-max n-min | D1 max mm | Taper bush | D2 max mm | A | B1min FRB | B1max FRB | B2min HTL | B2max HTL | C1min FRB | C1max FRB | C2min HTL | C2max HTL | L FRB | L HTL | N FRB | N HTL | P | J kgm | m kg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| E2 | 22 | 7 500 | 28 | - | - | 89 | 84 | 94 | - | - | 36 | 46 | - | - | 24 | - | 38 | - | 47 | 0,00032 | 0,5 |
| E3 | 41 | 7 500 | 34 | 1008 | 25 | 102 | 84 | 122 | 87 | 87 | 8 | 46 | 43 | 43 | 38 | 22 | 50 | 50 | 59 | 0,00032 | 1,0 |
| E4 | 62 | 7 500 | 42 | 1008 | 25 | 116 | 84 | 122 | 87 | 87 | 8 | 46 | 43 | 43 | 38 | 22 | 57 | 57 | 66 | 0,0012 | 1,3 |
| E5 | 105 | 7 500 | 48 | 1210 | 32 | 137 | 97 | 147 | 103 | 103 | 8 | 59 | 52 | 52 | 44 | 25 | 70 | 71 | 80 | 0,0032 | 2,3 |
| E10 | 164 | 7 500 | 55 | 1610 | 42 | 162 | 97 | 147 | 103 | 103 | 8 | 59 | 52 | 52 | 44 | 25 | 84 | 84 | 93 | 0,0064 | 3,4 |
| E20 | 260 | 6 600 | 60 | 1610 | 42 | 184 | 113 | 169 | 114 | 114 | 9 | 65 | 64 | 64 | 52 | 25 | 95 | 89 | 114 | 0,016 | 6,8 |
| E30 | 412 | 5 800 | 75 | 2012 | 50 | 210 | 125 | 185 | 128 | 128 | 7 | 68 | 64 | 64 | 59 | 32 | 114 | 102 | 138 | 0,034 | 10 |
| E40 | 622 | 5 000 | 85 | 2517 | 65 | 241 | 135 | 201 | 150 | 150 | 9 | 75 | 60 | 60 | 63 | 45 | 146 | 117 | 168 | 0,08 | 17 |
| E50 | 864 | 4 200 | 90 | 2517 | 65 | 279 | 151 | 231 | 165 | 165 | 11 | 91 | 76 | 76 | 70 | 45 | 152 | 124 | 207 | 0,158 | 24 |
| E60 | 1 412 | 3 800 | 105 | 3020 | 75 | 318 | 173 | 261 | 186 | 186 | 9 | 97 | 84 | 84 | 82 | 51 | 165 | 146 | 222 | 0,266 | 34 |
| E70 | 2 490 | 3 600 | 120 | 3535 | 90 | 356 | 189 | 279 | 238 | 238 | 19 | 109 | 60 | 60 | 85 | 89 | 175 | 165 | 235 | 0,366 | 39 |
| E80 | 4 460 | 2 000 | 155 | 4040 | 100 | 406 | 245 | 377 | 299 | 299 | 17 | 149 | 95 | 95 | 114 | 102 | 240 | 194 | 286 | 1,054 | 77 |
| E100 | 9 600 | 1 900 | 171 | 4545 | 110 | 533 | 324 | 375 | 267 | 267 | 44 | 95 | 38 | 38 | 140 | 114 | 260 | 260 | 359 | 2,19 | 95 |
| E120 | 19 200 | 1 800 | 190 | 5050 | 125 | 635 | 362 | 429 | 305 | 305 | 57 | 127 | 51 | 51 | 152 | 127 | 299 | 299 | 448 | 2,93 | 163 |
| E140 | 38 400 | 1 500 | 229 | 7060 | 177 | 762 | 432 | 483 | 381 | 381 | 76 | 127 | 76 | 76 | 178 | 152 | 381 | 381 | 530 | 4 | 280 |

*Weight and inertia with maximum bore and key way • Dimension C(1) finished bore hubs - C(2) with Taper Bush hubs


**REXNORD NV, Belgium**
Dellingstraat 55
**2800 Mechelen**
Phone: +32 / 15 44 38 11
Fax: +32 / 15 44 38 60
E-mail: CSB@rexnord.com
**www.rexnord.eu**


## Contact