



Rexnord Omega[®] E HSU

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
- ▶ industrial fans
- ▶ roller tables

Rexnord Omega[®] E HSU

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 inventories by providing multiple distance between shaft ends using the same elements and hubs. Rexnord Omega E design is used on close coupled applications. Rexnord Omega HSU is designed for hot and humid environments



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Rexnord Omega® E HSU

Features

- ▶ Split in half element
- ▶ HSU material
- ▶ Interchangeable hubs

Benefits

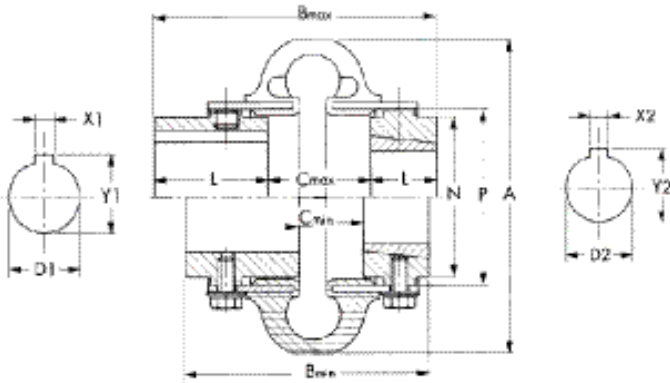
- ▶ Ease of installation
- ▶ Visual inspection
- ▶ Long life in hot & humid environment
- ▶ Low inventory requirements



E HSU

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 |
|---------|---------|-------------|-----------|----------------------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|-------|-----|---------|------|
| E2HSU | 22 | 7 500 | 28 | - - | 89 | 84 | 94 | - | - | 36 | 46 | - | - | 24 | - | 38 | - | 47 | 0,00032 | 0,5 |
| E3HSU | 41 | 7 500 | 34 | 1008 25 | 102 | 84 | 122 | 87 | 87 | 8 | 46 | 43 | 43 | 38 | 22 | 50 | 50 | 59 | 0,00032 | 1,0 |
| E4HSU | 62 | 7 500 | 42 | 1008 25 | 116 | 84 | 122 | 87 | 87 | 8 | 46 | 43 | 43 | 38 | 22 | 57 | 57 | 66 | 0,0012 | 1,3 |
| E5HSU | 105 | 7 500 | 48 | 1210 32 | 137 | 97 | 147 | 103 | 103 | 8 | 59 | 52 | 52 | 44 | 25 | 70 | 71 | 80 | 0,0032 | 2,3 |
| E10HSU | 164 | 7 500 | 55 | 1610 42 | 162 | 97 | 147 | 103 | 103 | 8 | 59 | 52 | 52 | 44 | 25 | 84 | 84 | 93 | 0,0064 | 3,4 |
| E20HSU | 260 | 6 600 | 60 | 1610 42 | 184 | 113 | 169 | 114 | 114 | 9 | 65 | 64 | 64 | 52 | 25 | 95 | 89 | 114 | 0,016 | 6,8 |
| E30HSU | 412 | 5 800 | 75 | 2012 50 | 210 | 125 | 185 | 128 | 128 | 7 | 68 | 64 | 64 | 59 | 32 | 114 | 102 | 138 | 0,034 | 10 |
| E40HSU | 622 | 5 000 | 85 | 2517 65 | 241 | 135 | 201 | 150 | 150 | 9 | 75 | 60 | 60 | 63 | 45 | 146 | 117 | 168 | 0,08 | 17 |
| E50HSU | 864 | 4 200 | 90 | 2517 65 | 279 | 151 | 231 | 165 | 165 | 11 | 91 | 76 | 76 | 70 | 45 | 152 | 124 | 207 | 0,158 | 24 |
| E60HSU | 1 412 | 3 800 | 105 | 3020 75 | 318 | 173 | 261 | 186 | 186 | 9 | 97 | 84 | 84 | 82 | 51 | 165 | 146 | 222 | 0,266 | 34 |
| E70HSU | 2 490 | 3 600 | 120 | 3535 90 | 356 | 189 | 279 | 238 | 238 | 19 | 109 | 60 | 60 | 85 | 89 | 175 | 165 | 235 | 0,366 | 39 |
| E80HSU | 4 460 | 2 000 | 155 | 4040 100 | 406 | 245 | 377 | 299 | 299 | 17 | 149 | 95 | 95 | 114 | 102 | 240 | 194 | 286 | 1,054 | 77 |
| E100HSU | 9 600 | 1 900 | 171 | 4545 110 | 533 | 324 | 375 | 267 | 267 | 44 | 95 | 38 | 38 | 140 | 114 | 260 | 260 | 359 | 2,19 | 95 |
| E120HSU | 19 200 | 1 800 | 190 | 5050 125 | 635 | 362 | 429 | 305 | 305 | 57 | 127 | 51 | 51 | 152 | 127 | 299 | 299 | 448 | 2,93 | 163 |
| E140HSU | 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