



## ***Rexnord Viva® VS***

### ***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

### ***Rexnord Viva® VS***

The Rexnord Viva is a unique general purpose elastomeric coupling with split element design providing easy assembly and replace-in-place service. Available in close coupled and spacer sizes. This unique design permits faster installation and reduced inventories by providing multiple distance between shaft ends using the same elements and hubs. The design is a perfect solution for pump applications.



Ex II 2GD T5

# Rexnord Viva® VS

## Features

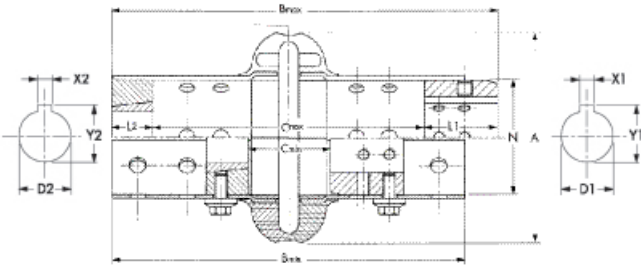
- ▶ Split-In-Half Element
- ▶ Torsionally Soft
- ▶ Interchangeable Hubs
- ▶ Adjustable Spacer

## Benefits

- ▶ Ease of installation
- ▶ Visual inspection
- ▶ Vibration damping
- ▶ Low inventory requirements
- ▶ Low inventory requirements



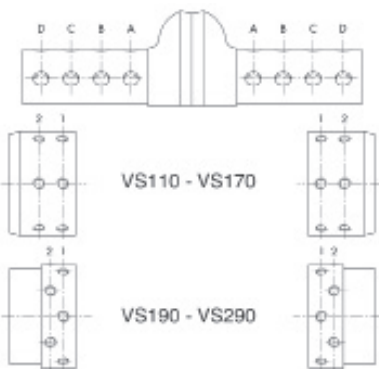
Taper Bush hub      Finish bore hub



| 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 |

| Viva size | Tnom Nm | n max min-1 | D1 Dmax mm | D2 Bush size Dmax mm | A mm | B min. mm | B max. mm | C(1) min. mm max. mm |     | C(2) min. mm max. mm |     | L1 mm | L2 mm | N   | m* kg | J* kgm  |
|-----------|---------|-------------|------------|----------------------|------|-----------|-----------|----------------------|-----|----------------------|-----|-------|-------|-----|-------|---------|
| 110       | 62      | 4 300       | 38         | 1108 28              | 110  | 182       | 217       | 43                   | 140 | 75                   | 140 | 38    | 22    | 60  | 1,7   | 0,00148 |
| 125       | 105     | 4 300       | 42         | 1108 28              | 125  | 191       | 225       | 54                   | 148 | 86                   | 148 | 38    | 22    | 70  | 2,1   | 0,00254 |
| 130       | 164     | 4 200       | 55         | 1310 35              | 130  | 182       | 227       | 33                   | 140 | 69                   | 140 | 41    | 25    | 80  | 2,6   | 0,00378 |
| 150       | 250     | 4 000       | 65         | 1610 42              | 150  | 235       | 280       | 51                   | 180 | 96                   | 180 | 51    | 25    | 95  | 5,0   | 0,0100  |
| 170       | 308     | 4 000       | 65         | 1610 42              | 170  | 235       | 280       | 51                   | 180 | 96                   | 180 | 51    | 25    | 95  | 5,1   | 0,0113  |
| 190       | 412     | 3 900       | 75         | 2012 50              | 190  | 235       | 283       | 48                   | 180 | 89                   | 180 | 52    | 32    | 114 | 6,6   | 0,0213  |
| 215       | 662     | 3 800       | 80         | 2517 60              | 215  | 251       | 308       | 50                   | 180 | 90                   | 180 | 64    | 45    | 140 | 11    | 0,043   |
| 245       | 938     | 3 700       | 95         | 3020 75              | 245  | 259       | 324       | 40                   | 195 | 92                   | 180 | 65    | 51    | 171 | 16    | 0,0947  |
| 290       | 1412    | 3 600       | 110        | 3020 75              | 290  | 315       | 403       | 80                   | 257 | 132                  | 250 | 73    | 51    | 215 | 29    | 0,2400  |
| 365       | 3200    | 2 600       | 127        | 3535 90              | 365  | 368       | 480       | 67                   | 250 | 66                   | 250 | 90    | 90    | 235 | 52    | 0,493   |
| 425       | 5580    | 2 000       | 155        | 4040 100             | 425  | 368       | 524       | 54                   | 250 | 45                   | 250 | 114   | 102   | 285 | 97    | 1,340   |
| 460       | 6270    | 2 000       | 165        | 4545 110             | 460  | 368       | 548       | 67                   | 250 | 20                   | 250 | 124   | 114   | 302 | 110   | 1,98    |

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



| Viva Size | ISO (mm) |         |        |       | ANSI (in) |         |        |       |       |
|-----------|----------|---------|--------|-------|-----------|---------|--------|-------|-------|
|           | 100      | 140     | 180    | 250   | 3,5       | 5       | 7      | 9,5   | 10    |
| 110       | C2-B1    | C1-C1   |        |       | B1-B1     | C2-C1   |        |       |       |
| 125       | B1-B1    | C1-C2*  |        |       | B1-B2     | C2-C2*  |        |       |       |
| 130       | B2*-C2*  | C1-C1   |        |       | B1-B1     | C2*-C2* |        |       |       |
| 150       | B1-B1    | C1-C1   | D1-D1  |       | B1*-D1*   | D1*-D1* | D1-D2* |       |       |
| 170       | B1-B1    | C1-C1   | D2-D2  |       | D1*-D1*   | D1*-D1* | D1-D2* |       |       |
| 190       | B1-B1    | C1-C1   | D1-D1  |       | C1*-C1*   | D1*-D1* | D1-D1  |       |       |
| 215       | B1-B1    | C1-C1   | D1-D1  |       | C1*-C1*   | D1*-D1* | D1-D1  |       |       |
| 245       | B2*-C2   | D1-C1*  | D2-D1  |       | B1*-D1*   | B2-C1   | D1-C1  |       |       |
| 290       | B2*-B1*  | B2*-B1  | C1-B2* | C2-C1 | B1*-B2*   | C2*-B1* | B2-B1  |       |       |
| 365       |          | C1*-C1* | B1-B1  | C1-C1 |           | B1-B1*  | B1-B1  | C2-B2 | C2-D2 |
| 425       |          | C1*-C1* | B1-B1  | C1-C1 |           | B1-B2*  | B1-B1  | C2-B2 | C2-D2 |
| 460       |          | C1*-C1* | B1-B1  | C1-C1 |           | B1-B2*  | B1-B1  | C1-D2 | C1-D1 |



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