

# ELASTOMERIC COUPLINGS - OMEGA™ CLOSE-COUPLED DESIGN WITH COMPRESSION BUSHED HUBS

The OMEGA™ Close-Coupled design featuring Compression Bushed Hubs integrates heavy-duty structural locking components to achieve optimal high-torque shaft retention without keyway dependency. Designed to ease field maintenance and speed up change-outs, this arrangement handles substantial dynamic vibration dampening seamlessly.

## TECHNICAL DIMENSIONAL DRAWING LAYOUT

### OMEGA™ CLOSE-COUPLED DESIGN WITH COMPRESSION BUSHED HUBS

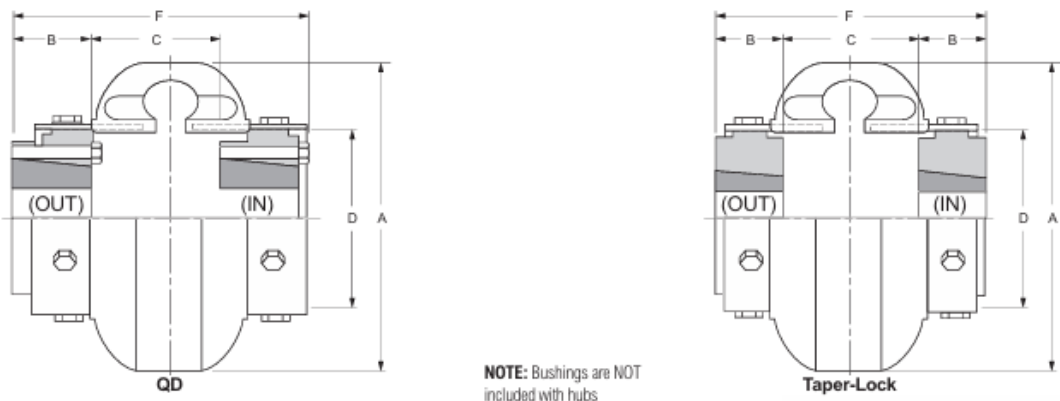


Figure 1: High-precision design drawing breakdown extracted from primary technical manual.

## TECHNICAL SPECIFICATIONS TABLE (SIZES E2 TO E140)

| COUPLING SIZE | CONTINUOUS TORQUE<br>[Nm] | MAXIMUM SPEED<br>[rpm] | COMPRESSION BUSH<br>NO. | MAXIMUM BORE SIZE<br>[mm] |
|---------------|---------------------------|------------------------|-------------------------|---------------------------|
| E2            | 22                        | 7500                   | 1008                    | 25                        |
| E3            | 41                        | 7500                   | 1108                    | 28                        |
| E4            | 62                        | 7500                   | 1210                    | 32                        |
| E5            | 105                       | 7500                   | 1610                    | 42                        |
| E10           | 164                       | 7500                   | 1610                    | 42                        |
| E20           | 260                       | 6600                   | 2012                    | 50                        |
| E30           | 412                       | 5800                   | 2517                    | 60                        |
| E40           | 620                       | 5000                   | 2517                    | 60                        |
| E50           | 865                       | 4500                   | 3020                    | 75                        |
| E60           | 1412                      | 4000                   | 3535                    | 90                        |

| COUPLING SIZE | CONTINUOUS TORQUE<br>[Nm] | MAXIMUM SPEED<br>[rpm] | COMPRESSION BUSH<br>NO. | MAXIMUM BORE SIZE<br>[mm] |
|---------------|---------------------------|------------------------|-------------------------|---------------------------|
| E70           | 2508                      | 3600                   | 4040                    | 100                       |
| E80           | 4463                      | 3100                   | 4545                    | 110                       |
| E100          | 7401                      | 2800                   | 5050                    | 125                       |
| E120          | 12500                     | 2400                   | 6050                    | 150                       |
| E140          | 19020                     | 2000                   | 7060                    | 175                       |

**Authorized Procurement & Technical Assistance Partner:**

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