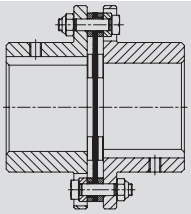
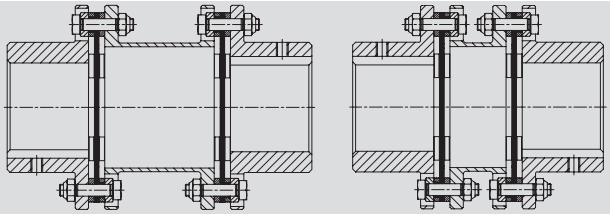
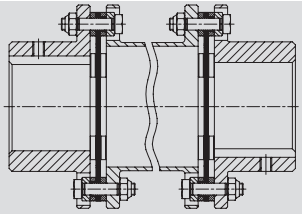
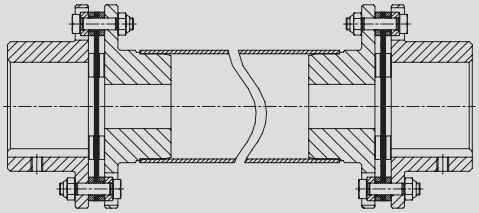
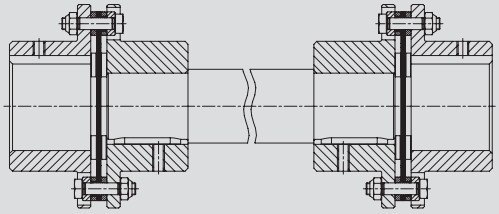
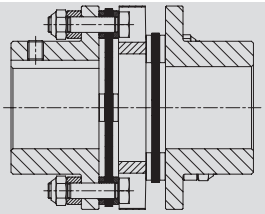
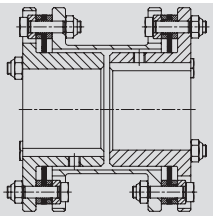
## Types and applications

| Type | Characteristics | Applications |
|---|---|---|
|  Type NN (see page 130) | ● Single cardanic design<br>● Only angular and axial displacement permissible<br>● High torsional rigidity<br>● Compact dimensions | ● Mixers<br>● Agitators<br>● Immersion pumps<br>● Fans<br>● Applications with high radial load |
|  Type NANA 1 / NANA 2 (see page 132) | ● Double cardanic design<br>● Compensating for high misalignment with low restoring forces<br>● Standard spacers available from stock | ● Paper machines<br>● Printing and processing machines<br>● Conveyors<br>● Steel mills<br>● Generators<br>● Grinding machines |
|  Type NANA 3 (see page 133) | ● Double cardanic design<br>● Spacers adapted to standard dimensions of pumps<br>● Radial assembly, no shifting of the machine required<br>● Available according to API 610 | ● Process pumps<br>● Water pumps<br>● Pumps according to API standard<br>● Turbines<br>● Compressors |
|  Type NANA 4 (see page 134) | ● Spacers can be determined by the customer<br>● Maximum shaft distance dimension up to approx. 6 m<br>● Welded intermediate pipes for high torsional rigidity | ● Foil and paper machines<br>● Pallet and conveyor systems<br>● Robotic palletizers<br>● Test benches<br>● Cooling towers/blowers |
|  Type NNW (see page 132) | ● Spacers can be determined by the customer<br>● Coupling consisting of 2 times type NN with intermediate shaft<br>● For drives with relatively low speeds | ● Low speed drives with big shaft distance dimensions<br>● Agitators<br>● Crushers<br>● Presses<br>● Packaging machines |
|  Type NNZ (see page 131) | ● Compact double cardanic design<br>● Cannot be radially assembled<br>● With intermediate disk<br>● Ideal for replacement of curved-tooth gear couplings from steel<br>● Standard type up to size 70 | ● Robotics<br>● Paper machines and inserters<br>● Machine tools<br>● Packaging machines<br>● Test benches |
|  Type NENE 1 (see page 131) | ● With reduced hubs<br>● Compact double cardanic design<br>● Spacer cannot be radially assembled<br>● Variable spacer length | ● Applications with short shaft distance dimensions<br>● Replacement for curved-tooth gear couplings from steel |