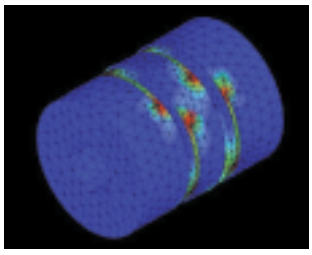
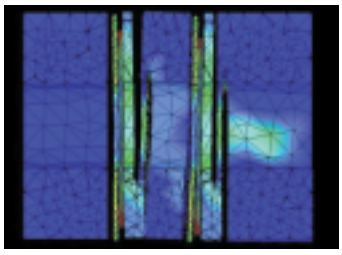
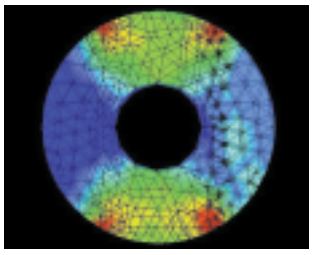
The latest FEM analysis techniques are employed to evaluate the coupling stress and misalignment experienced under various conditions of use.

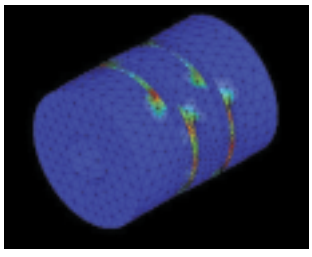
Torque Analysis

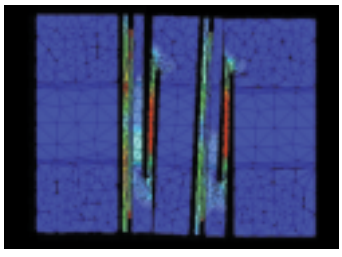

Periphery

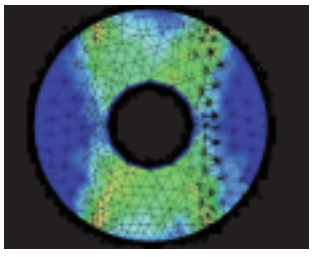

Section of Side Way


Cross-section

Eccentricity Analysis

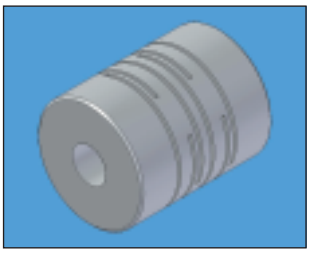

Periphery

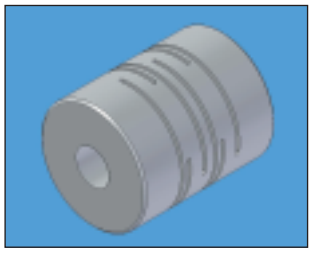

Section of Side Way

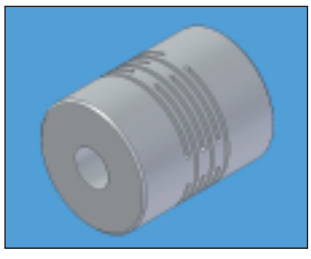

Cross-section

We can customize slit design, pitch, depth and slit quantity to create a coupling that fits your exact needs.

Select the best slit pattern according to your specifications.

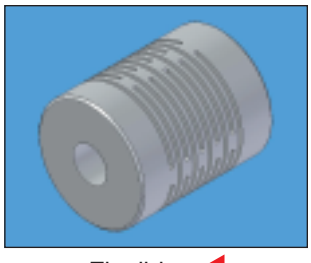


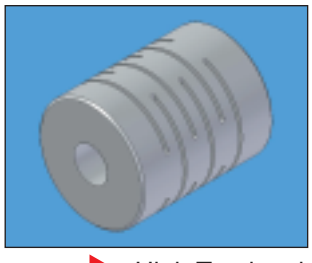




The optimal coupling specifications can be reached through adjustment of pitch, depth, and slit quantity.

Pitch: Narrower
Depth: Deeper
Quantity: More





Pitch: Wider
Depth: Shallower
Quantity: Less

Flexible ⟷ High Torsional Stiffness

■Example: Even with the same outside diameter and length...

High Torque — High Torsional Stiffness — Flexible

	Outside Diameter (mm)	Overall Length (mm)	Rated Torque (N·m)	Max. Torque (N·m)	Static Torsional Stiffness (N·m/rad)	Allowable Errors of Angularity (mm)
ex.1: High Torque	32	41	**4.8**	**9.6**	680	0.10
ex.2: High Torsional Stiffness			4.5	9.0	**780**	0.08
ex.3: High Flexibility			1.6	3.2	170	**0.30**
ex.4: Well-balanced			**3.2**	**6.4**	**450**	**0.15**

Well balanced

*The above chart is only an example.