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Ro, an inner ring radius Ri, and a shaft fillet radius Rs, and wherein the at least one undulant flexible section has the following design criteria:

$$Rb/Ra < 0.6$$

$$2 < Tb/Ta < 3.5$$

$$Ri > 2 * Ta$$

$$Ro > 2 * Ri$$

$$Rs > 2 * Tb.$$

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10. The coupling system of claim **9**, wherein the sun gear is welded to the sun gear coupling to form a single structure.

11. The coupling system of claim **9** wherein the sun gear comprises a gear portion with a shaft portion extending concentrically therefrom.

12. The coupling system of claim **9** wherein the respective outer sides of the diaphragms form a hyperbolic cross-sectional profile.

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