

Magazine Article  
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Progress Awards

### **Winner**

Quick-Flex couplings, made by QM bearings, connect rotating shafts used by pumps, hydraulics, motors, reducers and compressors operating in harsh environments.

The coupling consists of two toothed coupling halves, or hubs, which are attached to the drive and driven shaft. A urethane insert interlocks around the two hubs and provides a simple yet effective drive mechanism.

A standard cover is secured to the coupling hub by either snap ring or bolts.

Vertical and horizontal split covers are attached by bolts to prevent the cover from opening, contain the axial load under higher speeds and double the misalignment capabilities.

The urethane elastomer insert, sandwiched between the toothed hubs, results in product advantages unmatched by other coupling designs such as jaw, gird, tire, gear and chain couplings.

The cushioning effect absorbs shock loads, reduces vibration and accepts a certain amount of misalignment due to the flexible nature of the insert.

Depending on temperature and torque load requirements, you may choose one of four different elastomer compounds. The only part that needs to be replaced is the elastomer insert.

When replacing the insert, there no need to move the hub or realign anything.

It requires no lubrication and the only part you need to stock is the elastomer insert, thereby reducing inventory costs.

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