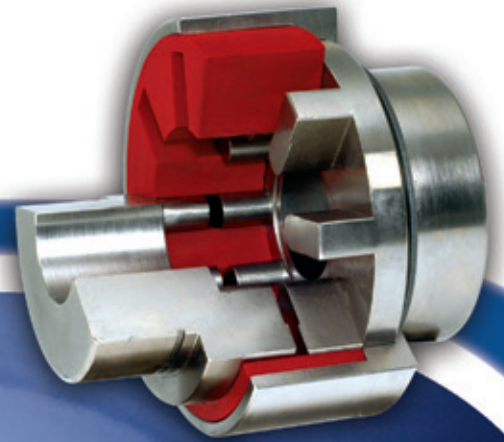


TIMKEN
Where You Turn

Timken Quick-Flex® Couplings



Better Performance.
Less Maintenance.



Durability for the Long Haul

When your equipment operates in harsh environments, you need coupling products you can count on. Timken Quick-Flex® elastomeric couplings are durable enough to stand up under harsh conditions, yet need minimal maintenance. They're easy-to-install and require no lubrication. With a lifespan that can match that of your equipment, you can keep your overall cost of ownership competitively low.

Your Value

Timken Quick-Flex couplings can directly replace most coupling configurations, thanks to our design's versatility. Plus, you won't need large inventories of spare parts for couplings – the only part you'll need is a urethane insert that can be replaced in just a few minutes without removing the hubs.

Durability

There's no metal-to-metal contact with Timken Quick-Flex couplings, so you'll save money by not replacing hubs or other metal components. For harsh environments, including wash-downs for food processing, we offer a stainless-steel version of each coupling.

More Uptime

Your hubs and metal components remain intact when you use Timken Quick-Flex couplings. Our design helps eliminate interference between coupling hubs that can damage your equipment. As needed, you can replace the urethane insert quickly and easily without removing the hubs.

Innovative Design

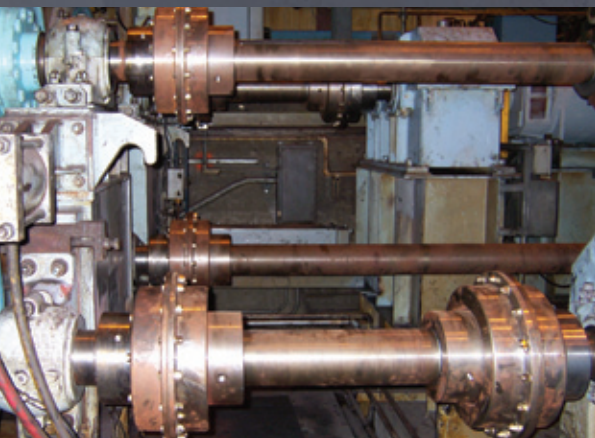
Our couplings withstand up to 2 degrees of misalignment, and they dampen vibration and shock loads in your equipment.

Reduced Inventory

The versatility of the Timken Quick-Flex design promotes standardization across your plant, reducing the need to stock multiple coupling styles and configurations.

Applications

- Motor to gearbox (low torque/high speed)
- Gearbox to driven equipment (high torque/low speed)
- Motors to pumps
- Any drive shaft to a driven shaft



Save Time and Money with Quick-Flex Couplings

- Solid and split covers are designed to accommodate higher speeds and increased torque.
- Design dampens torsional vibration and shock to help extend life of the coupling and surrounding components.
- Couplings accept shaft misalignment, up to 2 degrees.
- Timken inserts help reduce downtime and replacement costs, because inserts can be replaced without moving or disassembling the driving or driven equipment.

Solutions for Your Needs

Whatever your application demands, you'll find a wide range of Timken couplings to suit your needs. Choose from multiple insert and cover configurations that withstand some of the most extreme environments.

- Inherently balanced from precision machining for high-speed applications.
- Eleven families ranging from bore sizes of 0.37 inches (9.5 mm) to 11.25 inches (285 mm).
- Designed for continuous torque levels from 377 in.-lbs. (43 Nm) to 1,670,826 in.-lbs. (190,140 Nm).
- Designed for peak torque levels from 754 in.-lbs. (86 Nm) to 3,341,562 in.-lbs. (380,280 Nm).
- Split cover options help resist axial separating force under high torque.
- Standard and double-ended spacer couplings available for shaft separations of 1 inch to 120 inches (25.4 mm to 3,048 mm) for increased application acceptance.
- Four bore options available to meet customers' needs:
 - 1) Bored, keyed and set screws style – clearance and interference fit;
 - 2) Bushing style; 3) Splined style and 4) Mill motor style.
- Four insert choices for varying torque needs and temperature ranges up to 350° F (177° C).

Choose Quick-Flex Couplings



Standard Couplings
Shown with high-speed cover



Single-Ended Spacer Couplings
Shown with low-speed split cover

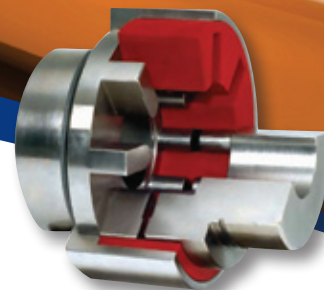


Double-Ended Spacer Couplings
Shown with high-speed split cover



Splined Hub Couplings
Shown with high-performance split cover

Quick-Flex Comparison	Quick-Flex	Jaw Coupling	Grid Coupling	Gear Coupling	Chain Coupling	Tire Coupling
Easy to Replace Without Moving Hubs	•		•		•	•
High and Low Torque Ratings	•			•		
High-Speed Capability	•			•		
Low Lifetime Cost	•	•			•	
Hubs Not Damaged When Urethane Inserts Need to be Replaced	•					•
No Lubrication Needed	•	•				•
No Hub Teeth Wear	•					
Cushioned Shock	•	•	•			•
Compact Design	•	•		•	•	



Powerful Connections

Timken Quick-Flex Couplings transmit higher levels of torque in most cases, compared with the corresponding gear coupling rated by the American Gear Manufacturers Association. Plus, the elastomeric coupling never needs lubrication because there's no metal-to-metal contact.

Quick-Flex Series	Quick-Flex Couplings Maximum Torque**	AGMA Coupling Size	AGMA Maximum Torque	Torque Improvement
	in.-lbs. Nm		in.-lbs. Nm	
QF25	12,449 1407	1	7,560 637	65%
QF50	26,479 2992	1.5	17,010 1433	56%
QF100	53,642 6061	2	31,500 2654	70%
QF175	88,257 9973	2.5	56,700 4778	56%
QF250	118,930 13438	3	94,500 7963	26%
QF500	219,429 24794	3.5	144,900 12209	51%
QF500	219,429 24794	4	220,500 18580	0%
QF1000	310,466 35081	4.5	302,400 25481	3%
QF1890	553,982 62597	5	409,500 34505	35%
QF1890	553,982 62597	5.5	535,500 45122	3%
QF3150	871,139 98434	6	693,000 58393	26%
QF10260	1,670,826 188794	7	1,008,000 84935	60%
QF10260	1,670,826 188794	8	1,323,000 111478	22%
QF10260	1,670,826 188794	9	1,795,000 151249	-10%

* American Gear Manufacturers Association standards

** Based on Timken Quick-Flex® coupling T insert

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- Sawmills
- Industrial Processing
- Pulp and Paper

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