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COUPLINGS



TriFlex Couplings

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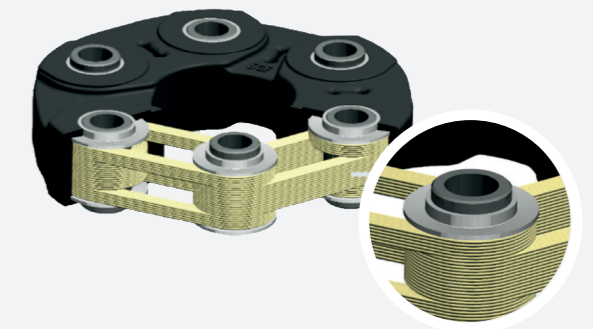
Fenner® TriFlex Couplings

New Fenner® TriFlex cord-reinforced flexible couplings can be trusted for installation in the most diverse drive train applications, where resistance to shock stress is required and silent operation is important, such as fan, pump and compressor drives and machinery used in the agriculture, construction and marine industries.



Tension Force Principle

Torque is transmitted almost exclusively via the vulcanised-in, interior cord inlays (Tenpu® fibre technology) by tension force.



The cord inlays serve to dampen torque peaks and to absorb start-up impacts. The rubber takes on a supporting and protective function for the cord sections and serves to isolate noises due to the interruption of the structure-borne noise path.



TriFlex Coupling

Cord reinforced, flexible

Utilising the tension force principle, Fenner® TriFlex couplings offer an efficient and cost effective alternative to traditional compression couplings. They are very compact, lightweight and low maintenance.

- > Fenner® TriFlex Couplings are lightweight and compact – typically one third of the weight of a traditional compression coupling
- > Individual elements of the coupling can be replaced quickly without the need to move the motor or driven load

- > Drive train torque peaks can be effectively dampened
- > Precise oscillatory tuning of the whole drive train can be achieved with ease
- > For special projects the stiffness of the reinforced cords in Fenner® TriFlex couplings can be individually adjusted in all directions to compensate for radial, axial and angular misalignment
- > Ideal for fans, pumps, compressors, mixers and agricultural machinery as a flexible connecting element
- > ATEX certified



Description	Product Code	Taper Lock Size	Nominal Torque	Max. Shaft Diameter	Max. Rotational Speed	Radial misalignment	Axial misalignment	Angular Displacement	Dynamic Torsional stiffness	Weight	Diameter	Total length	Bolt	Tightening Torque
			Nm	mm	rpm	mm	mm	°	kNm/rad	kg	mm	mm		Nm
TriFlex-3FD-075 Taper	057A0000	1108	210	28	7200	0.30	0.60	1.00	15.8	1.46	101.0	80.0	M10 x 40	60
TriFlex-3FD-096 Taper	057B0000	1615	420	42	6700	0.70	0.80	1.00	29.7	3.42	132.0	120.0	M12 x 50	130
TriFlex-3FD-120 Taper	057C0000	2012	740	50	5800	0.70	1.00	1.00	50.9	4.78	162.0	110.0	M16 x 55	165
TriFlex-3FD-140 Taper	057D0000	2517	1400	60	5100	0.60	1.20	1.00	82.1	8.28	195.0	141.0	M16 x 55	165
TriFlex-3FD-180 Taper	057E0000	3020	2040	75	4200	1.00	1.50	1.00	135.6	14.10	237.0	157.0	M22 x 70	290
TriFlex-3FD-220 Taper	057F0000	3525	3240/1730	100	3500	1.40	1.90	1.00	175.4	23.00	281.0	187.0	M24 x 70	335

These codes are for full coupling sets, if you want to purchase bolts and element packs please contact your local Fenner Authorized Distributor.