

MOJ

HIGH FLEXIBILITY DISMOUNTABLE COUPLINGS

The main task of **flexible MOJ type couplings** is to join the electric driving motor with the transmission shaft in drives of other devices. An advantage of these couplings is that replacing flexible elements subject to wear (this refers both to the U-type insert and to the F-type segment) does not require dismantling the coupling from the power transmission system. Access to the flexible elements is radial. The couplings also have good attenuation capacity of dynamic variables, especially in operating conditions that are difficult for power transmission systems. The couplings can be used in machines intended for operation in underground mines in a, b or c hazard zones with the danger of methane explosion and at level A and B of coal dust explosion risk.



Application:

- Belt conveyors, scraper conveyors, roller conveyors, compressors, fans, pumps, mixers, centrifuges, cranes.

■ TECHNICAL PARAMETERS:

MOJ type of coupling (mechanical size)	Unit	8	16	32	50	75
Power transmitted (1500 rpm)	kW	55÷132	200	315	500	750
Maximum rotational speed	min ⁻¹	3000	3000	3000	1500	1500
Nominal torque	Nm	1080	2300	4600	4150	6000
Dynamic torque	Nm	3240	6900	13800	12450	15000
Angle distortion of the coupling with a nominal torque for hardness of the elastomer 90°Sh	φ _N	(°)	ca.5,0	ca.5,0	ca.5,0	ca.5,0
Post-axial mounting misalignment (for the housing location)	ΔP	mm	1÷3	1÷3	1÷3	1÷3
Radial mounting misalignment	ΔP _r	mm	1,5	1,5	1,5	1,5
Acceptable axial misalignment of the coupling semicircles during continuous work	ΔK _w	(°)	1,5	1,5	1,0	1,0