

SP

FLEXIBLE COUPLINGS

The basic SP type coupling consists of two hubs and a flexible insert. Hubs and flexible insert shapes ensure optimum co-operation even with an inexact lining of the motor and drive shafts. The standard flexible coupling insert hardness is 92°Shore'a. It is also possible to use inserts with a hardness from 80°Shore'a up to 98°Shore'a. Thanks to the flexible insert's characteristics and the universality of the clutches they are commonly used in high dynamic load drives with diesel, electric or hydraulic motors. SP couplings are designed to drive, which decisive factor is constant rotation and easy starting.

FLEXIBLE INSERT WORKING CONDITIONS:

They can work in a pH 5÷12 environment, with in temperatures ranging from -30°C to +80°C (instantaneous up to +100°C). They are chemically resistant inclusive of: common solvents, petrol, oils or lubricants, sulphur or hydrochloric acids, soda lye, salt water.

Application:

- Conveyors, feeders, elevators, hydraulic pumps ventilators, lifts, cranes, overhead cranes, compressors, crushers, device sets, mills, dryers and many other applications.



TYPE OF COUPLING	ELASTIC INSERT		RATED TORQUE		Rated speed *max [rpm]	Outer diameter of the coupling [mm]
	Type	Operating temp. [°C]	M _{zn} [Nm]	M _{max} [Nm]		
Polyurethane connector 92 ShA						
SP 19R	R19	-30++90	17	34	14000	41
SP 24R	R24		60	120	10600	56
SP 28R	R28		160	320	8500	65
SP 38R	R38		325	650	7100	80
SP 42R	R42		450	900	6000	95
SP 48R	R48		525	1050	5600	105
SP 55R	R55		685	1370	4750	120
SP 65R	R65		940	1880	4250	135
SP 75R	R75		1920	3840	3550	160
SP 90R	R90		3600	7200	2800	200
SP 100R	R100		4950	9900	2500	225
SP 110R	R110		7200	14400	2240	255
SP 125R	R125		10000	20000	2000	290
SP 140R	R140		12800	25600	1800	320
SP 160R	R160		19200	38400	1500	370
SP 180R	R180		28000	56000	1400	420