

# SH FLUID COUPLING

**Fluid couplings** are designed for power transmission in high inertia machines operated in difficult operating conditions and exposed to substantial and vehement overload. The application of fluid couplings boosts smooth drive start-up, shortens electric motor operation time at high currents, reduces sudden jerks, halts and stops all dynamic load surpluses.

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, coal ploughs, crushers, pumps, mills, rotary furnaces, disintegrators, elevators, drawing machines, cable lifts.

## ■ TECHNICAL PARAMETERS

Type of coupling	Nominal engine torque $M_{zn}$ [Nm]	Engine n [rpm]	Power transmitted by coupling N [kW]	Max. coupling torque $M_{max}$ [Nm]	Coupling starting torque $M_r$ [Nm]	Filling volume [dm <sup>3</sup> ]		Slide s [%]	Coupling mass [kg]		
						Hydraulic oil HLP-32	Water-oil emulsion 5%				
SH-55E	367	1470	55	720	780	11,7	10,5	2,5	82		
	366			920		12,5	11,3				
SH-100/75E	492	1470	75	975	1080	14,3	13,4	3,0	110		
	608			1330						15,6	14,5
	660			1280						15,7	
SH-132/110E	726	1470	110	1750	1750	19,2	18,1	3,0	152		
	870			2100				20,3		2,5	
SH-160	1560	985	160	2900	2970	45,0	43,9	10,3	263		