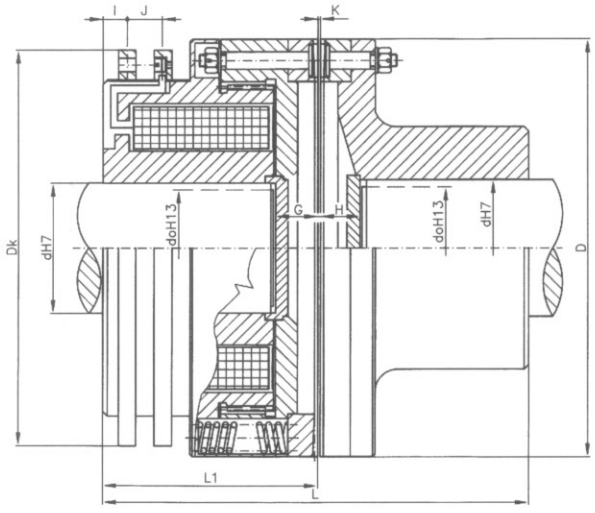
POHONY • DRIVES • ANTRIEBE



ELECTRICALLY ACTUATED CLAW CLUTCHES SWITCHED IN BY SPRINGS

EZC

DESTINATION OF CLUTCHES:
- PERMANENT MECHANICAL CONNECTION OF MACHINES, IF THE CLUTCH IS MAINLY ON
- WHEN NECESSARY OCCASIONALLY DISCONNECT BY REMOTE CONTROL
- FOR HEAVY DUTY OPERATION (FOR EXAMPLE ROLLING-MILLS)

PSP POHONY a.s.

MAIN TECHNICAL DATA AND DIMENSIONS (mm)

Type number			4457	4462
Size			40	250
Dimensions				
	D		190	295
	D_k		180	280
	dH7		60	100
	d_0H13		35	60
	L_1		95	130
	L		190	260
	G		20	30
	H		20	30
	I		10	28
	J		16	20
	K		1	1.5
Nominal torque		Nm	400	2500
Coil by 20°C				
Voltage		V	24	110
Current		A	4.95	2.45
Input		W	119	268
Max. misalignment of connected parts		mm	0.05	0.1
Max. revolutions		min^{-1}	1500	1500
Moment of inertia „J"				
Driven part		kgm^2	0.025	0.21
Driving part		kgm^2	0.09	0.62
Max. axial force of springs		N	1500	5500
Weight		kg	21	75

Clutches EZC transmit torque by spring pressure, which presses into mesh claw gearing of driving and driven parts. Clutches can be switched in only in rest or when relative revolutions are very small. Switching off is made by electric magnet and can be done for 15 minutes only. Throwing out can be carried on by any revolutions but momentary load must not be higher than 50% of nominal torque. Driving part of EZC clutch consists of magnetic body with coil and collector rings, of movable armature plate furnished with bronze circular ring with claw gearing and of pressure springs.

Driven part of clutch represents hub with analogical gearing only.

ORDERING DATA:

- number of pieces, type number and size of clutch
- bore diameter of magnet body and hub
- control voltage
- climatic conditions - degree of climatic resistance

PSP POHONY a.s.
750 53 PŘEROV • CZECH REPUBLIC
TEL. 0641/23 36 30, 23 36 33
FAX 0641/20 31 82, 20 31 60

TÜV CERT
DIN ISO 9001
041004527

Quality system certified according to DIN ISO 9001