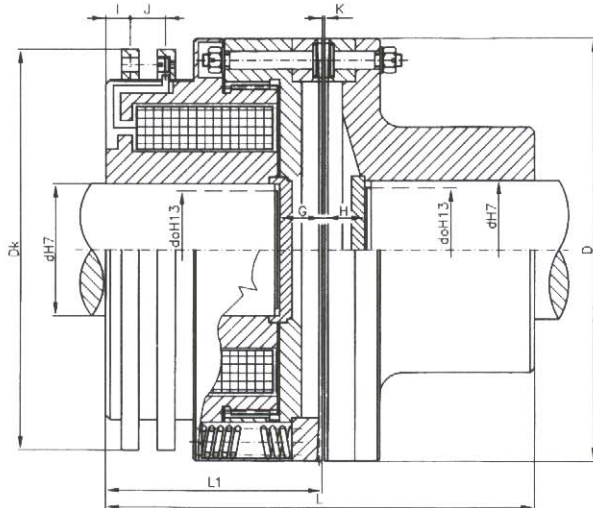




POHONY • DRIVES • ANTRIEBE



# 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)

## MAIN TECHNICAL DATA AND DIMENSIONS (mm)

Type number		4457	4462
Size		40	250
Dimensions			
	D	190	295
	D <sub>k</sub>	180	280
	dH7	60	100
	d <sub>0</sub> H13	35	60
	L <sub>1</sub>	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 <sup>-1</sup>	1500	1500
Moment of inertia „J“			
Driven part	kgm <sup>2</sup>	0.025	0.21
Driving part	kgm <sup>2</sup>	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