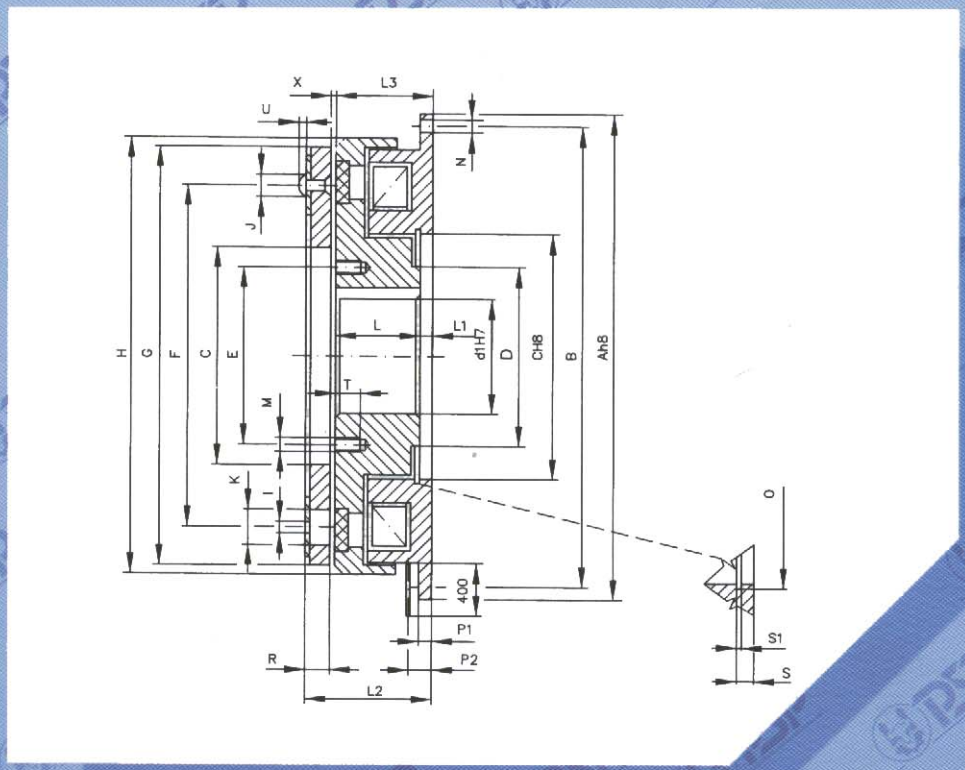
POHONY • DRIVES • ANTRIEBE



ELECTRICALLY ACTUATED DISC CLUTCH

EKS

CLUTCH IS DESTINATED FOR EQUIPMENTS WITH NUMEROUS SWITCHING AND WITH DEMAND TO SHORTEN WORKING CYCLES AND TO INCREASE PRODUCTION SPEED WITH THE REASON TO BOOST WORKING CAPACITY OF MACHINES. CLUTCH IS USED NAMELY IN PACKING, TEXTILE AND FOOD EQU IPMENTS. WORKS ONLY IN SURROUNDINGS WITHOUT LUBRICATION.

PSP POHONY a.s.

MAIN TECHNICAL DATA AND DIMENSIONS (MM)

Size			4	6.3	10	16	25
Nom. torque M_n Nm		40	63	100	160	250	
Stat, torque M_{max}			48	75	120	185	290
Current		A	1.24	1.63	1.92	2.37	2.62
Input		W	29.7	39.1	46	56.9	63
Diameters	A		144	158	182	210	235
	B		132	145	166	195	218
	C		55	62	75	90	100
	D		38	44	56	66	70
	d_1	MIN	19	22	25	30	32
		MAX	28	35	42	48	55
	E		47	53			
	F	mm	93	104	112	134	150
	G		119	132	149	178	200
	H		125	140	160	190	214
	I		3x5.1	3x6.1	3x8.1	3x8.1	3x10.1
	J		8.5	10			
	K		11.5	15	20	20	25
	M		2xM5	2xM6	2xM6	2xM8	2xM10
	N		4x6.5	4x6.5	4x8.5	4x8.5	4x8.5
	O		58	65	78	93.5	103.5
Lengths	L		28	32	36	40	44
	L_1		3	4	4	4	4
	L_2		38.5	44			
	L_3		31	36	40	44	48
	P_1		3	4	4	5	5
	P_2	mm	7	8	8	9	10
	R		7.2	7.7			
	S		5.15	6.15	6.65	6.65	7.15
	S1		2.15	2.15	2.65	2.65	3.15
	T		8	8	8	10	10
	U		4.5	5.4			
	X		0.3	0.3	0.3	0.3	0.4
Moment of inertia		Kgm^2					
armature			$1.84.10^{-3}$	$3.57.10^{-3}$	$7.2.10^{-3}$	$15.2.10^{-3}$	$28.66.10^{-3}$
jacket			$9.6.10^{-4}$	$2.06.10^{-3}$	$2.83.10^{-3}$	$6.47.10^{-3}$	$12.645.10^{-3}$
Max. revolution		min^{-1}	3000	3000	2600	2200	1800
Weight		kg	2.5	3.75			

Clutch EKS consists of driving part, driven part and fixed magnetic body. Clutch jacket forms driving part. Friction material without asbestos is placed on friction surface to improve friction quality. Two tapped holes are placed on face side, out of friction area to enable disassembling. Armature with riveted shaped spring forms driven part. In the spring there are 3 holes to be fixed on driven part of equipment. Spring enables after switch-off department of armature plate from clutch jacket and ensures its position in off position. Exciting coil is sealed in fixed magnetic body. Control voltage is 24 V d.c. Control voltage is conducted to free wires in magnetic body. 4 holes are made in flange of body to grip to the fixed part of machine.

ORDERING DATA

- size and type
- number of pieces
- bore and key slot in clutch jacket
- voltage
- climatic conditions