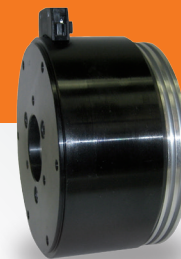


HYSTERESIS BRAKES

Type FHY

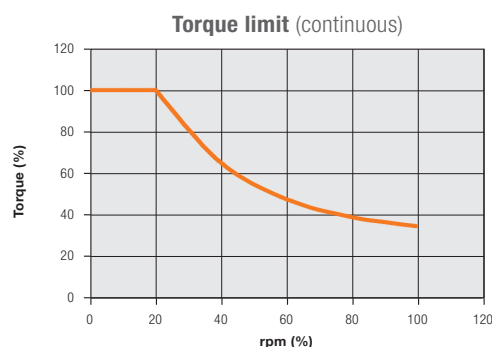
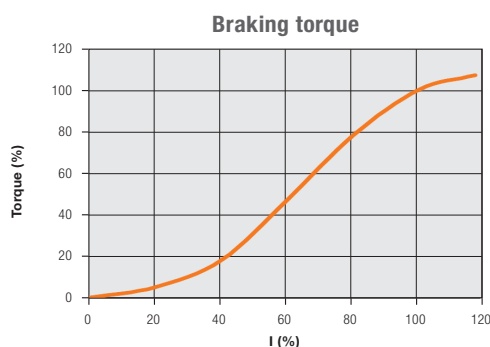


Description

Hysteresis brake EIDE type FHY provide very smooth brake torque with high sensitivity and independent adjustment of the speed. The braking torque is produced without any physical contact of the brake parts so there is no wear or any adjustment which results in longer life, excellent stability with a high degree of repeatability and completely silent operation.

The hysteresis effect is generated by two basic components, the inductor and the hysteresis ring. The inductor surrounds the ring and applying voltage hysteresis brake magnetic poles running through the hoop producing braking are created.

CHARACTERISTIC CURVES

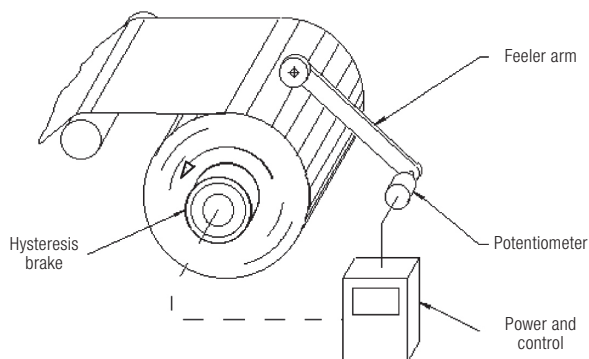


Applications

The main application of the brakes FHY is one in which complete control of the braking torque is needed, such as in the process of winding and winding des the textile, paper, printing, etc. This control is effected by varying the voltage applied to the brake is proportional to the braking torque.

EJEMPLOS DE MONTAJE

Mounting 1

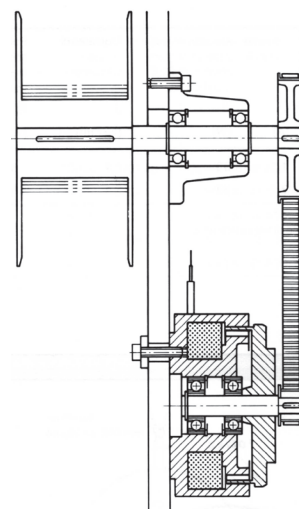


Mounting 2

Brake with toothed belt drive

To transmit torque brake the spool shaft toothed belt transmission which allows a better relationship is used. Increasing r.p.m. brake shaft, we decrease its size resulting in a more economical assembly and maintaining good sensitivity adjustment.

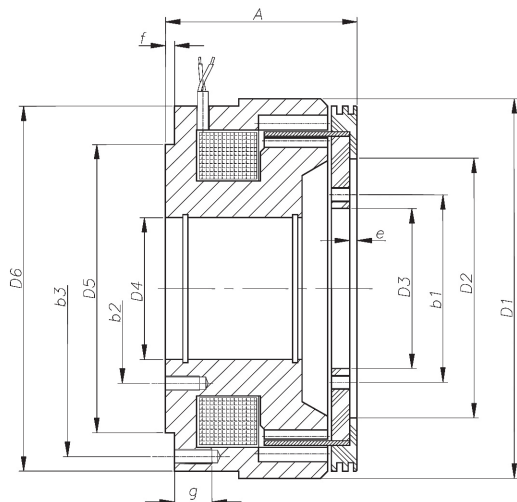
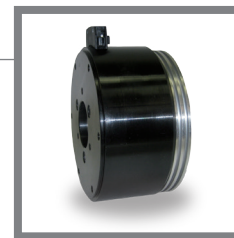
The brake is attached to the machine bed. Together with the armature shaft are supported by bearings.



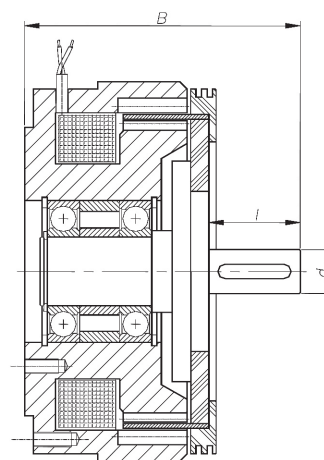
HYSTERESIS BRAKES

Type FHY

Characteristics and dimensions



FHY



FHY /E

SIZE		7,4	102	138	210
Braking Torque	Nm	0,4	1,1	3,3	12
Voltage	V dc	24	24	24	24
Current	A	0,75	1,25	1,25	1,5
Consumption	W	18	30	30	36
Rpm. Max min	min⁻¹	10.000	6.500	4.500	3.000
Inertia	cm²	0,7	2	9,1	59
Dissipation max.	W	100	200	400	800
	A	55	56,5	76,5	106
	B	74	76,5	106,5	152
	d	7 h7	9 h7	14 h7	24 h7
	e	-	5	-	4
	f	-	-	2,5	5
	g	7	7	10	20
	l	16	20	30	50
	D1	74	102	138	210
	D2	-	64	92	144
	D3	32 H7	42 H7	46 H7	90 H7
	D4	19 H7	35 H7	42 H7	80 H7
	D5	-	-	131 h8	160 h8
	D6	-	-	-	202
	b1	42 4 M4	50 4 M5	80 4 M5	105 4 M8
	b2	50 3 M5	60 3 M5	60 3 M6	106 3 M8
	b3	-	-	118 6 M6	168 4 M8

Distribution fixing holes

