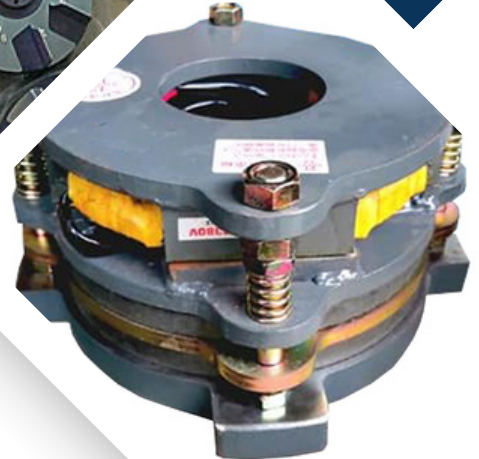
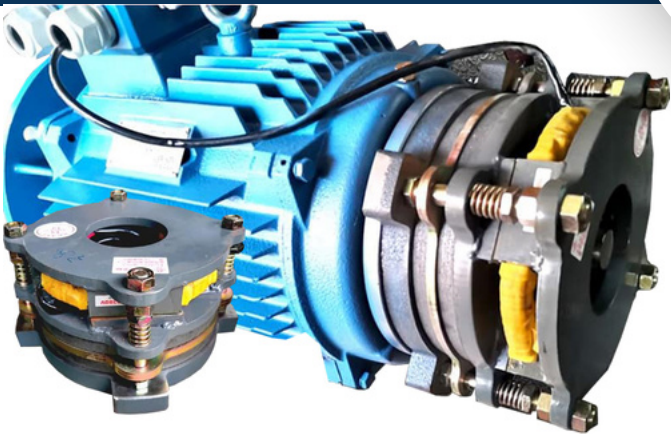


CATALOGUE BRAKE

NORCE
TRANSMISSION

ชุดเบรกมอเตอร์

- AC380V
- DC170-190V
- DC24V



034-446-210



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JDHM3 Series AC Electromagnetic Brake



A. Applications

JDHM3 Series AC Electromagnetic brakes, are directly connected to the AC power supply without a rectifier device, which reduces faults, releases quickly when power is on, has no delay when power is off, and has short braking time. It is suitable for hoisting machinery, bridging machinery, printing machinery, etc. It is an ideal automator actuator with high working frequency, sensitive active and reliable braking.



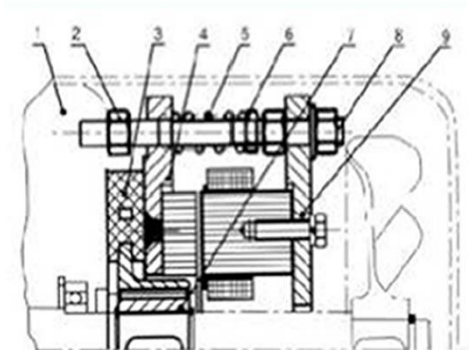
B. Main Technical Data

Item Name Data Model	JDHM3								
	05	08	15	30	40	80	150	200	300
Frame Size	71	80	90	100	112	132	160	180	200
Rated Torque(N.m)	5	7.5	15	30	40	80	150	200	300
Rated Power 20°C(W)	40	50	60	80	100	130	150	150	210
Connecting Time T1(ms)	63	87	110	140	152	165	214	252	303
Disconnecting Time T2(ms)	55	72	95	120	130	140	180	210	250
Maximum Air Gapδ(mm)	0.6	0.6	0.8	0.8	0.8	0.8	1	1	1
Working Voltage Dc(V)	AC380								
Allowable Max Speed n(rpm)	3000							2500	

C. Example for Installation

1) Installation Precautions :

The brake belongs to the type and must work in the oil-free state, so as not to affect the torque. When installing the brake, first adjust to the specified working air gap 8, and make the air separation even, and then tighten the nut on the motor end cover. The brake should be installed horizontally and should not be installed vertically. The brake value should not exceed the maximum working air gap, otherwise it should be replaced. Adjusted to the specified value.

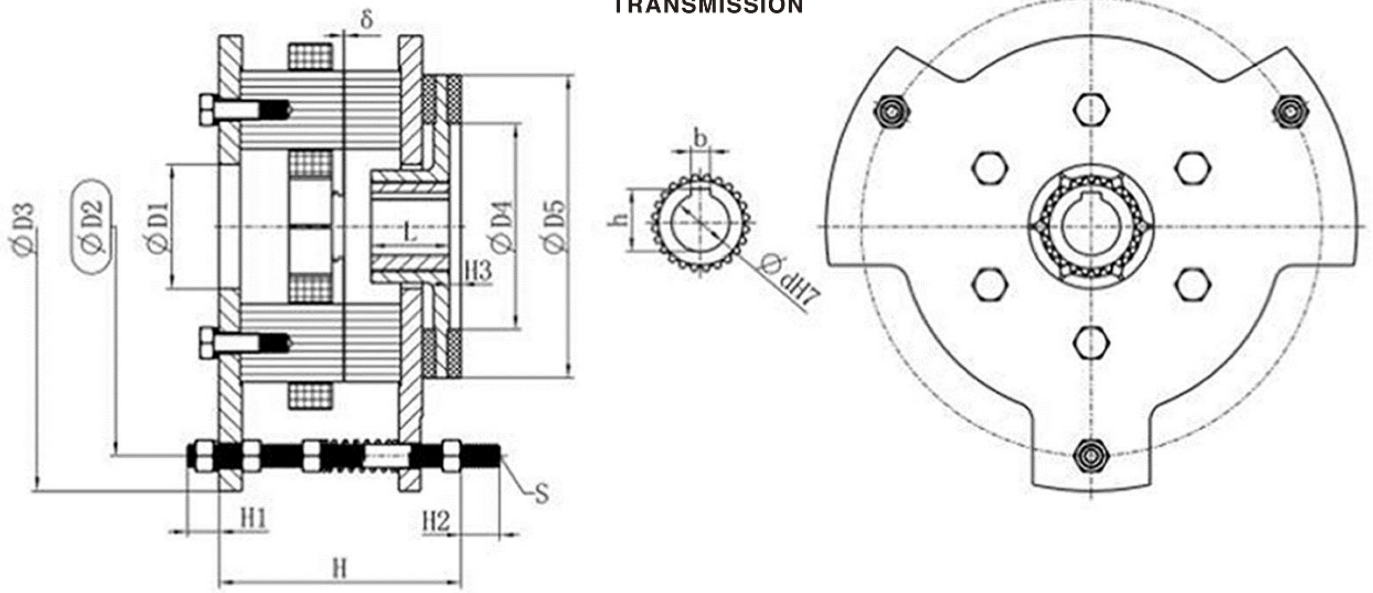


- 2) Installation diagram : 1. Motor end cover 3. Brake disc 5. Spring 7. Gear sleeve 9. Yoke assembly
 2. Lock nut 4. Armature assembly 6. Adjusting nut 8. Mounting Screw

D. Technical Data



TRANSMISSION



MODEL \ SPEC	JDHM3								
	05	08	15	30	40	80	150	200	300
d	14.8	19.8	24.8	29.5	29.5	39.5	44.5	49	59
b	5	6	8	8	8	12	12	14	18
h	16.2	22.6	28.1	32.8	32.8	42.8	47.8	52.8	63.4
L	20	20	25	30	30	30	35	40	50
D1	32	32	32	35	40	42	85	118	118
D2	118	136	147	168	185	210	255	300	300
D3	136	152	167	188	215	250	291	330	330
D4	53	50	60	75	90	105	120	150	155
D5	78	92	97	116	130	149	179	220	248
H	62	67.8	72.3	76.8	77.5	88.5	96.5	101.6	110.8
H1	8	8	10	12	15	15	15	15	15
H2	10	10	13	16	17	21	23	25	25
H3	3	3	3.5	3	3.5	3.5	4	4.5	4.5
δ	0.2	0.3	0.3	0.3	0.3	0.5	0.5	0.6	0.6
S	3xM6	3xM6	3xM8	3xM10	3xM10	3xM10	3xM12	4xM12	4xM14

DHM4 Series Spring Applied Electromagnetic Brakes

A. Applications

DHM4 series brake is fricative brake, which is automatically set to work when an AC power off occurs. It is mainly used with Y series motors to create YEJ series three-phase motors, it's widely applicable in machine tools and in machineries for metallurgy, construction, chemistry, food-prompt and accurate braking effect.

Because of its small size, light weight, low noise and high reliability, it is widely accepted as an ideal piece of automation equipment. It can be added protection circle to increase protection grade: IP54. Torque can be divided into Adjustable type (conventional type) and.

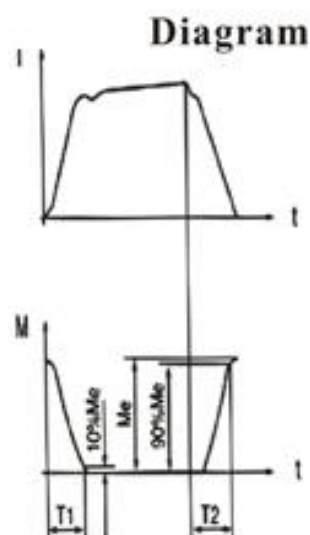


B. Main Technical Data

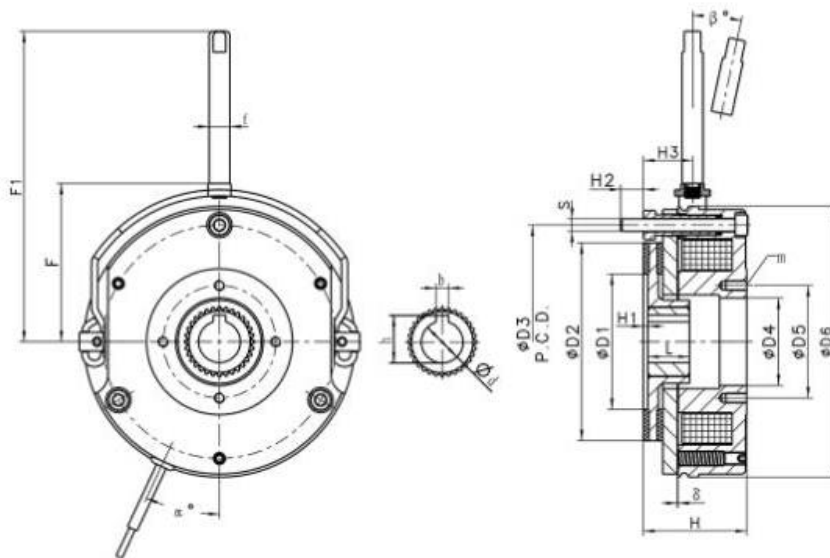
Item Name	DHM4-6	DHM4-8	DHM4-10	DHM4-12	DHM4-14	DHM4-16	DHM4-18	DHM4-20	DHM4-25	DHM4-30
Motor Model	56/63/71	80	90	100	112	132	160	180	200/225	250/280
Rated Torque(N.m)	4	8	16	32	60	80	150	260	400	1000
Rated Power 20°C(W)	20	25	45	50	55	85	105	120	140	200
Connecting Time T1(ms)	45	57	76	115	210	220	270	340	390	420
Disconnecting Time T2(ms)	28	31	47	53	42	57	78	165	230	380
Maximum Air Gap δ(mm)	0.5	0.5	0.5	1.75	0.75	0.75	1	1	1.2	1.5
Working Voltage Dc(V)	96					170				
Allowable Max Speed n(rpm)	6000		5000		3000			2500		

C. Installation Warning

- *Friction disc and armature plate surface should be kept clean and free of grease.
- *When fixing the air gap "δ" should be kept to the specified value.
- *The gear hub are not allowed to move along axially.
- *Turn the sleeve bolts so that it fixed on the back cover or flange plate.
- *Friction disc belong to the wearing parts, wears and tears, increases air gap.
- *When the brakes more than the maximum allowable air gap, should be readjusted, or normal, and even damage to the brakes and motor.
- *For safe and trouble free operation, the brake must be checked and readjusted at regular intervals, and, if necessary, be replaced.



D. Technical Data



MODEL SPEC	DHM4-06	DHM4-08	DHM4-10	DHM4-12	DHM4-14	DHM4-16	DHM4-18	DHM4-20	DHM4-25	DHM4-30
d	10/11/12 14/15	11/12/14 15/20	12/14 15/20	20/25	20/25/30	25/30 35/38	35/40/45	40/45/50	50/55/60	65/70/80
b	4	5	6	8	8	10	14	14	18	20
h	13.8	17.3	22.8	28.3	28.3	41.3	48.8	53.8	64.4	74.9
L	18	20	20	25	30	30	35	40	50	75
D1	40	56	65	70	80	104	129	148	199	180
D2	60	77	95	115	124	149	174	205	254	297
D3	72	90	112	132	145	170	196	230	278	325
D4	25	32	42	50	62	72	80	90	115	140
D5	37.7	49	54	64	75	85	95	110	140	180
D6	87	105	130	150	165	190	217	254	305	363
H	36.7	42.4	49.6	54.8	64.9	71	80.6	96.6	104.8	133
H1	2	2.5	2	2	3.5	3	4	3.5	3	5
H2	8	7	11	12	13	13	19	16	20	20
H3	18	20	23	25	32.4	34.5	41	51	62	72.5
F	54	63.5	76	86	94.5	108	125	148	176	210
F1	99	126.5	149	159	195.5	224	214.5	313	431	830
f	8	10	10	10	12	12	12	14	16	25
β	12	12	12	12	12	12	12	12	12	12
α	20	20	25	20	30	25	30	20	25	30
δ	0.2	0.2	0.3	0.3	0.4	0.5	0.6	0.6	0.8	1
S	3-M4	3-M5	3-M6	3-M6	3-M8	3-M8	6-M8	6-M10	6-M10	6-M10
m	4-M4	4-M5	4-M5	4-M5	4-M6	4-M6	4-M8	4-M10	4-M10	4-M10

PS: Keyway in accordance with DIN68851 Z (GB/T1095-79)JS9

DZD1 Series Single-disc Electromagnetic Brake



A. Applications

DZD1 A brakes are single-disc brakes. friction disc non-asbestos lining/steel

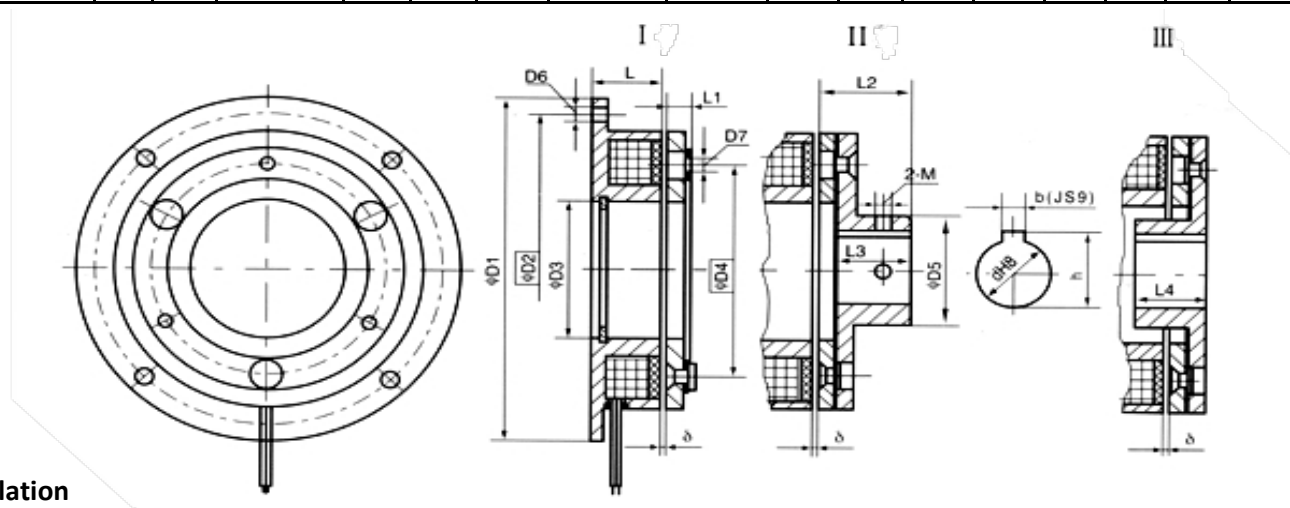
Simple in construction, large in braking torque. They are widely used in printing machines. Packing machines testing machines, etc., to realize the engaging and disengaging the driving shaft and driven shaft for the purpose of braking and positioning.

B. Main Technical Data

Data	DZD1-0.6	DZD1-1.2	DZD1-2.5	DZD1-5	DZD1-10	DZD1-16	DZD1-25	DZD1-32	DZD1-50	DZD1-100
Rated Power P20°C (W)	13	16	20	32	40	45	54	60	80	100
Rated Voltage	24VDC									
Rated Torque (N.m)	6	12	25	50	100	160	250	320	500	1000
Engaging Time (ms)	55	75	120	140	230	250	303	380	450	505
Disengaging Time (ms)	15	25	35	45	60	90	170	200	260	330
Allowable Max Speed (rpm)	3600	3600	3000	3000	2500	2500	2500	2000	2000	1500

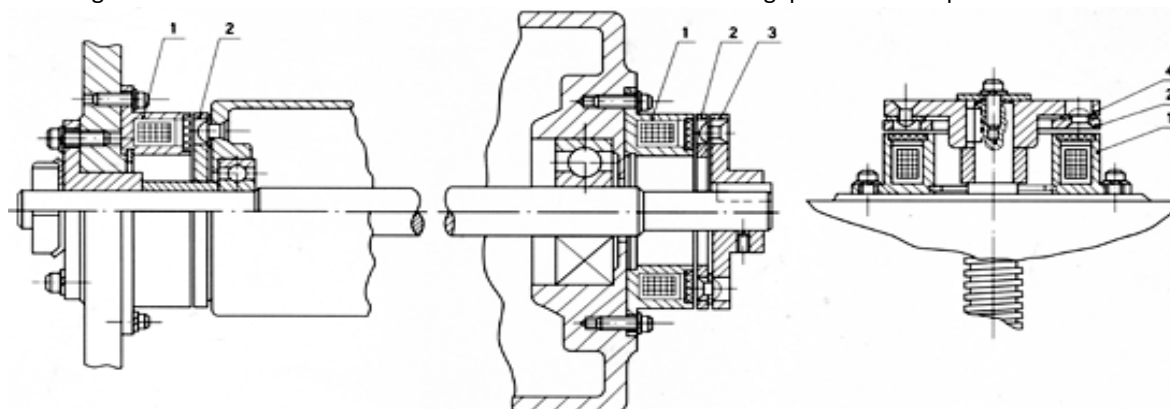
C. Overall and Installation Dimensions

Dimensions	d	D1	D2	D3	D4	D5	D6	D7	M	L	L1	L2	L3	L4	b	h	δ
DZD1-0.6	15	80	72	35	50	26	4-4.3	3-4.1	M4	19	3.5	18.5	15	15	5	17.3	0.3
DZD1-1.2	20	105	95	42	66	35	4-5.5	3-4.1	M6	21	5	25	20	20	6	22.8	0.3
DZD1-2.5	25	130	118	52	80	41	4-5.5	3-5.2	M6	23	7	32	25	25	8	28.3	0.4
DZD1-5	30	158	147.5	62	101	49	6-5.5	3-6.2	M8	28	8.5	38.5	30	30	8	33.3	0.4
DZD1-10	35	190	175	80	120	65	4-9	3-8.2	M8	26	9	47	38	38	10	38.3	0.5
DZD1-16	43	230	215	100	158	83	4-9	3-10.2	M8	30	11	56	45	45	12	46.3	0.5
DZD1-25	50	270	250	110	182	90	4-9	3-10.2	M8	33	12.5	60.5	48	48	14	53.8	0.6
DZD1-32	55	290	270	120	210	100	4-11	3-12.2	M10	35	12.5	67.5	55	55	16	59.3	0.6
DZD1-50	60	310	290	130	240	105	4-11	4-12.2	M10	38	13.5	73.5	60	60	18	64.4	0.8
DZD1-100	70	440	420	200	315	148	8-12.5	4-16.2	M12	50	19	95	76	76	20	74.9	0.8



D. Installation

- Friction disc and armature should be kept and free of grease.
- The coaxial degree should not exceed 0.1 mm.
- Not allowed to move on axial direction. Airgap should be kept in "δ"



1. Yoke Assembly

2. Armature Assembly

3. Type A Coupling Assembly

4. Type B Coupling Assembly

DZD5 A Series Single-disc Electromagnetic Brake

A. Applications

DZD5 A brakes are single-disc brakes, friction disc non-asbestos lining/steel.

Simple in construction, large in braking torque. They are widely used in printing machines, packing machines, testing machines, etc., to realize the engaging and disengaging the driving shaft and driven shaft for the purpose of braking and positioning.

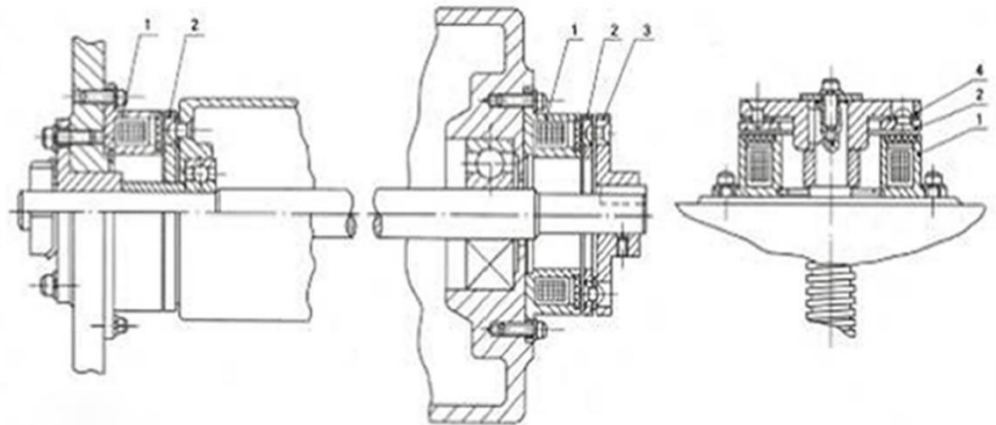


B. Main Technical Data

Contents	DZD5									
	5A	10A	20A	40A	80A	160A	250A	320A	500A	1000A
Rated Power P _{20°C} (W)	11	15	20	25	35	45	54	60	80	100
Rated Voltage (V dc)	24V dc									
Rated Torque (N.m)	5	10	20	40	80	160	250	320	500	1000
Engaging Time (ms)	55	75	120	140	230	250	303	380	450	505
Disengaging Time (ms)	15	25	35	45	60	90	170	200	260	330
Allowable Max Speed (rpm)	8000	6000	5000	4000	3000	2500	2500	2000	2000	1500

C. Example for Installation

1. Yoke Assembly
2. Armature plate
3. Type A Coupling Assembly
4. Type B Coupling Assembly



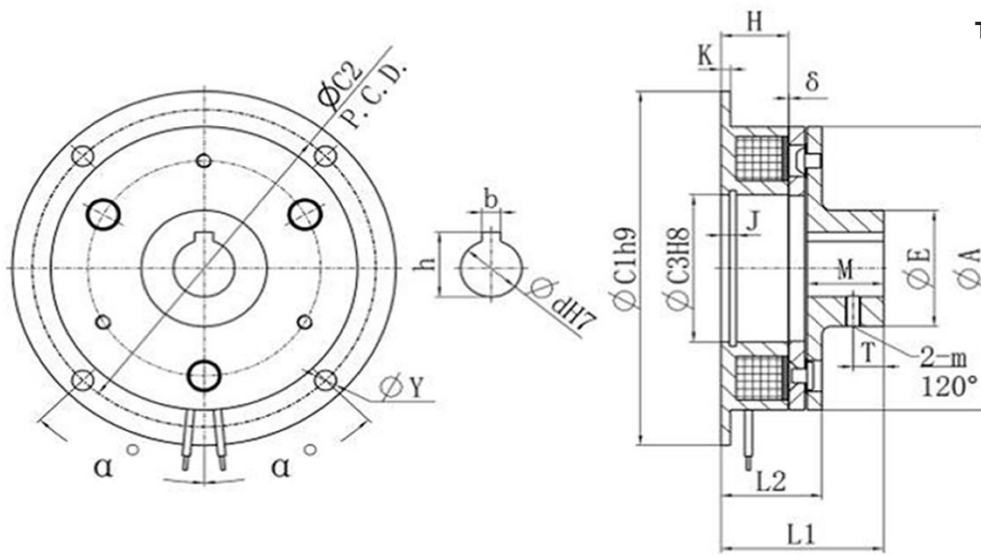
Installation Precautions :

1. There must be no oil on the surface of the friction plate and the armature, and they must be kept clean.
2. The installation of the brake must ensure that the coaxiality is not greater than 0.1 mm.
3. The precision of the shaft hole and shaft matched with the brake is H7/k6.
4. The main and driven sides of the brake must be fixed, and no axial movement is allowed. At the same time, the working gas must be guaranteed.

D. Technical Data



TRANSMISSION



MODEL SPEC	DZD5									
	5A	10A	20A	40A	80A	160A	250A	320A	500A	1000A
A	63	80	100	125	160	200	230	250	270	400
C1	80	100	125	150	190	230	270	290	310	440
C2	72	90	112	137	175	215	250	270	290	420
C3	35	42	52	62	80	100	110	125	130	200
E	27.5	31	41	49	65	83	85	105	105	148
d	15	15	20	25	30	40	50	50	60	70
b	5	5	6	8	8	12	14	14	18	20
h	17.3	17.3	22.8	28.3	33.3	43.3	53.8	53.8	64.4	74.9
Y	4- ϕ 5	4- ϕ 6	4- ϕ 7	4- ϕ 7	4- ϕ 9	4- ϕ 9	4- ϕ 11	4- ϕ 13	4- ϕ 13	8- ϕ 13
α	45 ^o	45 ^o	45 ^o	45 ^o	45 ^o	45 ^o	45 ^o	45 ^o	45 ^o	22.5 ^o
H	18	20	22	24	26	30	34	35	38	50
J	3.5	4.3	5	5.5	6	7	9.2	8	9	13
K	2	2.5	3.1	3.5	4	5.1	6.1	6.1	12	10
L1	37	44.8	53.1	61.3	73.5	87.2	94.8	102.5	114.6	143.8
L2	25.5	28.8	33	37.3	42.5	51.2	57.8	59.5	68.6	83.8
M	15	20	25	30	38	45	48	54	60	76
T	6	8	10	12	14	18	18	22	22	25
m	2-M4	2-M5	2-M5	2-M6	2-M8	2-M8	2-M8	2-M10	2-M12	2-M12
δ	0.2	0.2	0.2	0.3	0.3	0.5	0.5	0.5	0.8	0.8