

E220 VAR 06

Electro-Magnetic Single Disc Clutch

Characteristics

- Electrically operated 24 or 103,5 VDC depending size
- Single friction face
- Activated by power on

Utilisation

- Coupling of two shafts in line
- From size 3200, we recommend to engage the clutch at a lower speed (about 300 min⁻¹)

Particularities

- For dry use
- No residual torque in disengaged position
- Fixed inductor mounted on ball bearings
- Equipped with an elastic coupling

Adjustments

- Does not require wear compensation

Maintenance Manual

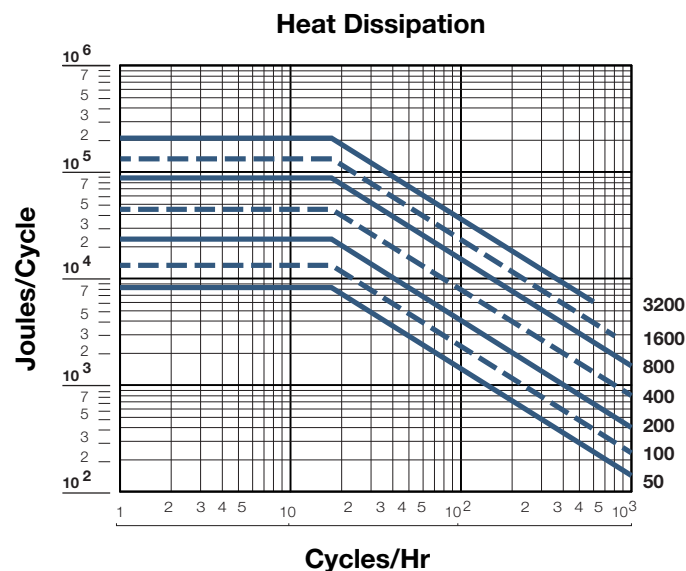
- SM 307

Mounting Precautions

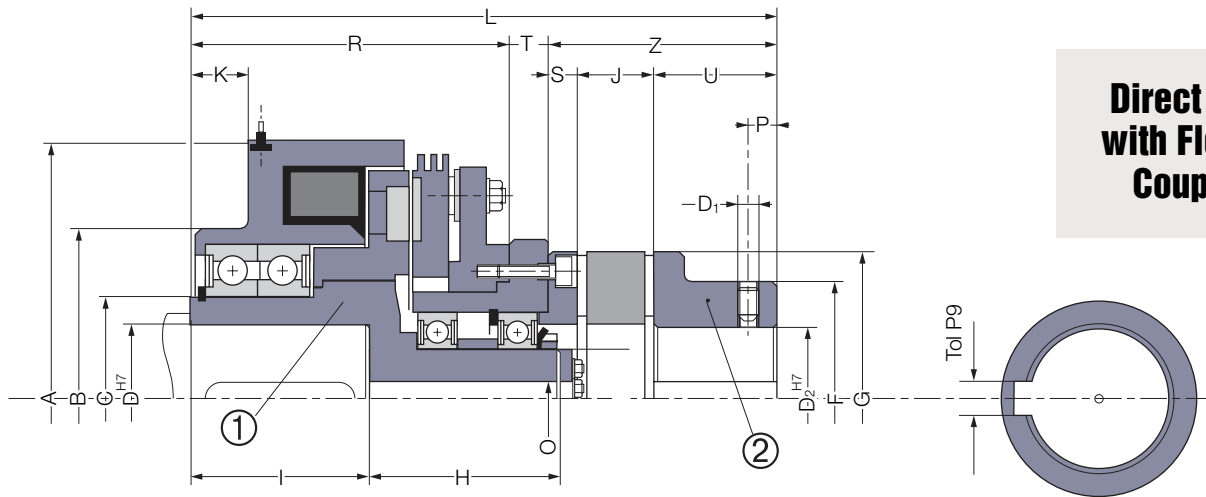
- The anti-rotation device of the electromagnet shall be inserted in anti rotation slot, with a side play of 0,5 mm and a 1 mm play to the bottom. This avoids a normal stress on the ball-bearings.
- We strongly recommend to mount a damping elastic slot in the anti-rotation device in case of vibrations
- Device intended for horizontal use, for vertical use please consult the factory

Power Supply

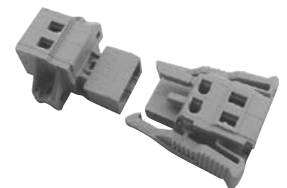
- For sizes until 1600 :
CBC 400–24 - CBC 450–24
CBC 500–24 - CBC 550–24
CBC 140–5 + CBC 140–T
- For size 3200 and up:
CBC 140–5



Electro-Magnetic Single Disc Clutch



Sizes		50	100	200	400	800	1600	3200
Coupling		38	42	55	65	75	90	100
Nom. Torque	[Nm]	50	100	200	400	800	1600	3200
Max. Speed	[min. ⁻¹]	4150	3200	2600	2000	1700	1500	1500
Voltage	[VDC]	24	24	24	24	24	24	103.5
Power	P20 [W]	52	60	77	37	47	94	187
	A	139	173	231	260	300	360	450
	B	90	110	155	185	220	265	318
	C	50	65	75	80	90	110	130
	D* min	22	24	30	35	50	55	65
	D* max	35	38	42	55	65	80	90
	D1	M8	M8	M10	M10	M10	M12	M12
	D2 min	12	14	20	22	30	40	50
	D2 max	38	42	55	65	75	90	100
	F	66	75	98	115	135	160	180
	G	80	95	120	135	160	200	225
	H	60	68	78	83	95	108	121
	I	52	62	72	77	87	102	162
	J	24	26	30	35	40	45	50
	K	17,5	19	24,5	21	24	28	77
	L	185	210	250	275	315	365	455
	O	10,5	12,5	16,5	20,5	20,5	21	21
	P	10	10	20	20	20	30	30
	R	95	110	125	135	155	180	250
	S	8	10	13	14	16	19	21
	T	13	14	17	16	19	21	24
	U	45	50	65	75	85	100	110
	Z	77	86	108	124	141	164	181
Inertia	① [kgm ²]	0,00270	0,0085	0,0234	0,0635	0,124	0,313	0,781
Inertia	② [kgm ²]	0,0055	0,0177	0,0521	0,0584	0,125	0,333	0,901
Weight	[kg]	8,2	14,2	27,7	31,5	50,5	85,5	158
Connection		Cable						



Connector Options
 (Delivered without cable)
 2 poles, capacity :
 0,5/2,5mm²

Keyways according to
 ISO R773 / BS 4235 / DIN 6885-1 / NF E 22-175, tolerance P9
 * Mandatory delivered with finished bores