

# E220 VAR 05

## 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<sup>-1</sup>)

### 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

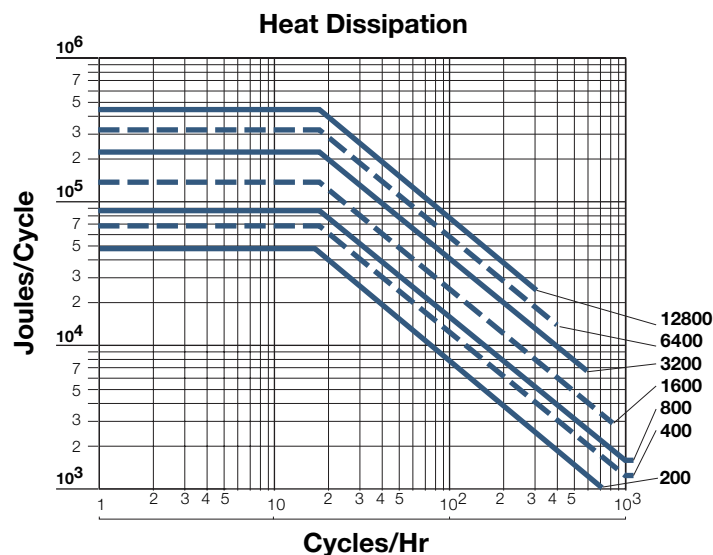
- SM 307

### Mounting Precautions

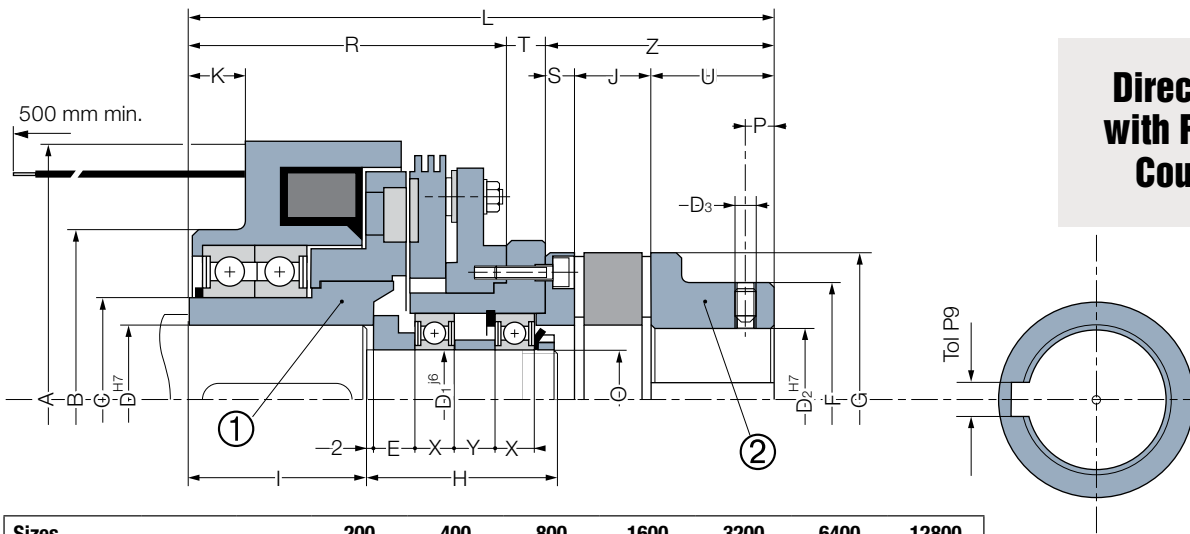
- The anti-rotation device of the electromagnet shall be inserted in anti rotation slot, with a side play of 0,5 mm and a 1 mm play to the bottom. This avoids a normal stress on the ball-bearings.
- We strongly recommend to mount a damping elastic slot in the anti-rotation device in case of vibrations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

### Power Supply

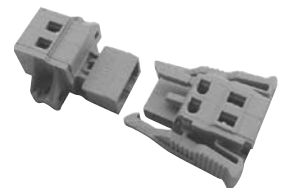
- For sizes until 1600 :  
CBC 400-24 - CBC 450-24  
CBC 500-24 - CBC 550-24  
CBC 140-5 + CBC 140-T
- For size 3200 and up:  
CBC 140-5



## Electro-Magnetic Single Disc Clutch



Sizes		200	400	800	1600	3200	6400	12800
<b>Coupling</b>		55	65	75	90	100	125	180
<b>Nom. Torque</b>	[Nm]	200	400	800	1600	3,200	6,400	12800
<b>Max. Speed</b>	[min.-]	2600	2000	1700	1500	1500	1500	1500
<b>Voltage</b>	[VDC]	24	24	24	24	103,5	103,5	103,5
<b>Power</b>	P20 [W]	81	37	47	94	187	264	336
	A	231	260	300	360	450	560	700
	B	155	185	220	265	318	405	480
	C	75	80	90	110	130	160	180
	D* min	30	35	50	55	65	80	100
	D* max	55	65	75	90	100	120	130
	D1	30	35	50	55	60	80	90
	D2 min	20	22	30	40	50	60	85
	D2 max	55	65	75	90	115	145	200
	D3	M10	M10	M10	M12	M12	M12	M16
	E	18	20	15	26	21,5	25	30
	F	98	115	135	160	180	230	325
	G	120	135	160	200	225	290	420
	H	79	87	99	112	125	150	178
	I	71	73	83	98	158	173	208
	J	30	35	40	45	50	60	85
	K	24,5	21	24	28	77	77	96
	L	250	275	315	365	455	540	685
	O	M30X1,5	M35X1,5	M50X1,5	M55X2	M60X2	M80X2	M90X2
	P	20	20	20	30	30	30	40
	R	125	135	155	180	250	280	330
	S	13	14	16	19	21	28	39
	T	17	16	19	21	24	32	36
	U	65	75	85	100	110	140	195
	X	16	17	20	21	22	26	30
	Y	16	19	28	28	43	53	59
	Z	108	124	141	164	181	228	319
<b>Inertia</b>	① [kgm <sup>2</sup> ]	0,0234	0,0635	0,0124	0,313	0,781	2,749	7,110
<b>Inertia</b>	② [kgm <sup>2</sup> ]	0,0521	0,0584	0,12	0,333	0,901	2,775	10,080
<b>Weight</b>	[kg]	27,7	31,5	50,5	85,5	158	298	597
<b>Connection</b>	<b>Cable</b>							



**Connector Options**  
 (Delivered without cable)  
 2 poles, capacity :  
 0,5/2,5mm<sup>2</sup>

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