

E320 VAR 05 / VAR 15

Electro-Magnetic Toothed Clutch

Characteristics

- Electrically operated 24 VDC
- Toothed clutch
- Activated by power on

Utilisation

- Coupling of two shafts in line
- Engagement has to be made at standstill or at very low speed, in case of doubt consult the factory

Particularities

- Positive coupling for drive without slipping
- Standard available for random or synchronised operation (one or more position(s)/rev). Multiposition/rev as option (VAR n5, "n" indicates number of positions)
- Option : detection disc allows the coupling position to be validated, see E320 VAR504 page 41
- Fixed inductor mounted on ball bearings
- Sealed bearings
- Equipped with an elastic coupling

Adjustments

- No wear adjustment required

Maintenance Manual

- SM 309

Mounting Precautions

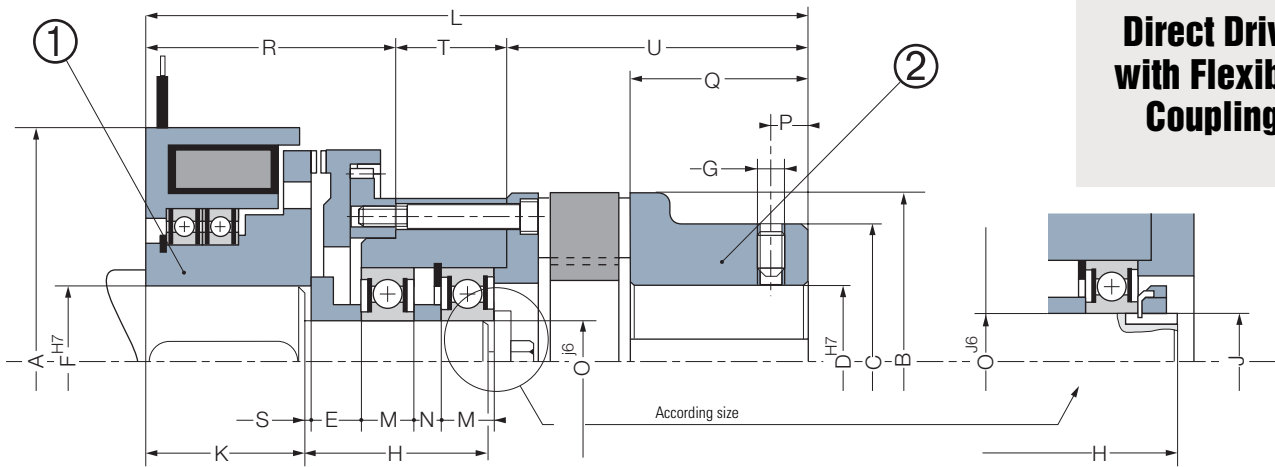
- The anti-rotation device of the electromagnet shall be inserted in anti rotation slot, with a side play of 0,5 mm and a 1 mm play to the bottom. This avoids a normal stress on the ball-bearings.
- It is forbidden to use in case of vibrations
- Device intended for horizontal use; for vertical use, please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

Power Supply

- For sizes until 3200
CBC 400-24 - CBC 450-24,
CBC 140-5 + CBC 140-T
- For size 6400 to 25600
CBC 140-5

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**Direct Drive
with Flexible
Coupling**



Sizes		50	100	200	400	800	1600	3200	6400	12800	25600	
Nom. Torque	[Nm]	50	100	200	400	800	1600	3200	6400	12800	25600	
Coupling		28/38	38	42	48	55	75	90	125	160	180	
Max. Speed	[min.]	3900	3500	2800	2600	2100	1500	1400	1000	1500	1200	
Voltage	[VDC]	24	24	24	24	24	24	24	24	103,5	103,5	
Power	P20 [W]	21	26	29	48	54	64	74,5	101	160	248	
	A	82	100	115	125	153	202	235	340	410	490	
	B	65	80	95	105	120	160	200	290	335	460	
	C	65	66	75	85	98	135	160	230	180	220	
	D* min	10	12	14	15	20	30	40	60	80	85	
	D* max	40	38	42	48	55	75	90	145	160	180	
	E	17	10,7	13,7	21,7	28	19	20,7	45	48	37	
	F* min	20	20	25	30	30	50	55	80	90	110	
	F* max	30	32	42	46	55	80	85	110	125	150	
	G	M8	M8	M8	M8	M10	M10	M12	M12	M16	M16	
	H	41	41,7	44,7	47,7	54	68	107	160	173	179	
	J	-	-	-	-	-	-	M55X2	M65X2	M80X2	M90X2	
	K	28	31,3	36,3	37,3	45	60	70,3	98	123	203	
	L	135	154	171	184	211	273	332	432	528	690	
	M	12	12	12	13	13	16	21	23	26	30	
	N	-	7	7	-	-	17	28	52	53	62	
	O	20	20	25	30	30	50	55	65	80	90	
	P	10	10	10	10	20	20	30	30	40	40	
	Q	35	45	50	56	65	85	100	140	175	195	
	R	44	50	57,5	60	74	97	120	174	211	295	
	S	1	1	1	1	1	1	2	2	2	2	
	T	①	29	27	27,5	29	29	35	48	30	32	76
	U	62	77	86	95	108	141	164	228	285	319	
Inertia	① [kgm ²]	0,0001	0,0003	0,0008	0,0011	0,0032	0,015	0,0353	0,324	0,775	2,000	
Inertia	② [kgm ²]	0,0009	0,0027	0,0057	0,0088	0,0219	0,0864	0,229	1,197	TBD	TBD	
Weight	[kg]	2,5	4,5	6,8	8,3	15,5	31	61	161	TBD	TBD	
Connection		Leads				Cable						

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

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

