ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Warner Electric E320 Var04* at our website: *Click HERE*

ALTRA MOTION

Clutches and Brakes



Warner Electric®
Altra Industrial Motion

Electro-Magnetic Toothed Clutch

Characteristics
- Electrically operated 24 or 103,5 VDC depending size
- Toothed clutch
- Activated by power on

Utilisation
- Coupling of a pulley or a hub
- Engagement has to be made at standstil or at very low speed, in case of doubt consult the factory
- For wet operation use models VAR n0 For dry operation use models VAR n4 (sealed bearings)

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 n0 or VAR n4, “n” indicates number of positions)
- Option : detection disc allows the coupling position to be validated, see E320 VAR504
- Fixed inductor mounted on ball bearings
- Non sealed bearings for use oil environment
- Sealed bearings for dry operation

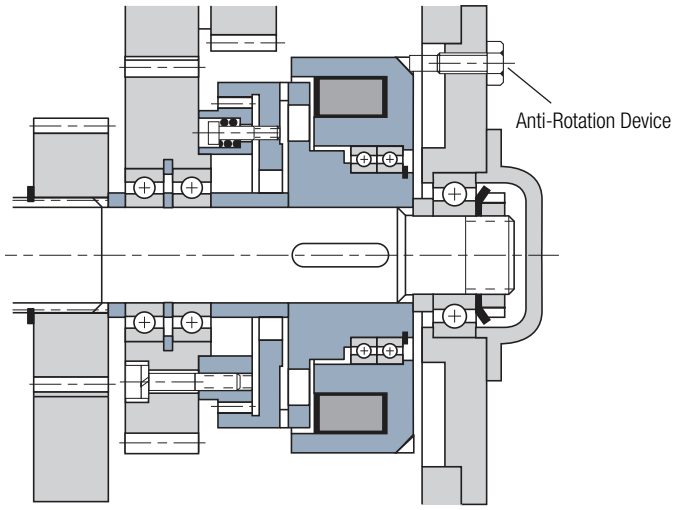
Adjustments
- Verify position of tooth “J” prior to installation
- No wear adjustment required

Maintenance Manual
- SM 309

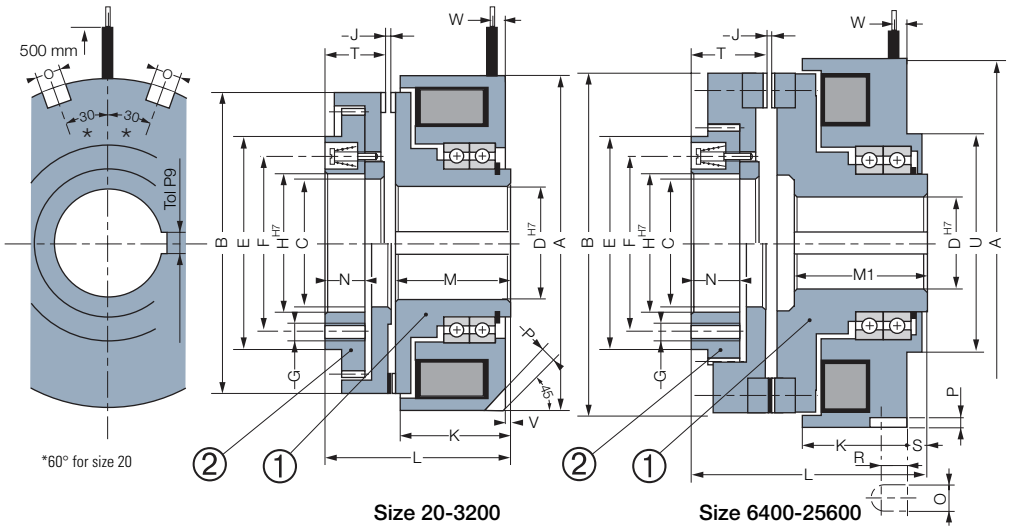
Mounting Precautions
- The anti-rotation device of the electromagnet shall be inserted in anti rotation slot, with a side play of 0,5 mm and a 1 mm play to the bottom. This avoids a normal stress on the ball bearings.
- It is forbidden to use in case of vibrations
- Device intended for horizontal use; 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 sizes 6400 to 25600 CBC 140–5

Mounting Example



Electro-Magnetic Toothed Clutch



Size 20-3200 Size 6400-25600

Bearings	Random	Synchronised 1 Rounded
Open	VAR 00	VAR 10
Sealed	VAR 04	VAR 14

Indirect Drives

Sizes			20	50	100	200	400	800	1600	3200	6400	12800	25600
Nom. Torque		[Nm]	20	50	100	200	400	800	1,600	3200	6400	12800	25600
Max. Speed	VAR 00 / 10	[min-1]	-	5000	4300	3600	3300	2,700	2,100	1800	1500	1500	1200
	VAR 04 / 14	[min-1]	5000	3900	3500	2800	2600	2100	1500	1400	1000	–	–
Voltage		[VDC]	24	24	24	24	24	24	24	24	24	103,5	103,5
Power	P20	[W]	15	21	26	29	48	54	64	74,5	101	140	248
	A		72	82	100	115	125	153	202	235	340	410	490
	B		66	75	90	105	115	140	185	215	320	385	460
	C		28	40	49,5	58	63	76	99	117	153	180	220
	D* min		10	20	20	25	30	30	50	50	80	90	110
	D* max		22	30	32	42	46	55	80	85	110	125	150
	E		-	65,5	75,5	85,5	100,5	115,5	155,5	180,5	215,5	275,5	340,5
	F		45	55	64	75	85	100	135	155	190	250	300
	G		3xM4	4xM5	4xM5	4xM6	6xM6	6xM8	6xM10	6xM10	12xM12	12xM16	16xM46
	H		32	45	53	65	70	85	115	130	153	190	235
	J		0,3	0,4	0,5	0,5	0,5	0,6	0,7	0,8	1	1	1
	K		33	28,5	32	37	38	45,5	60,5	72	79	91	106
	L		47	44	50	57,5	60	74	97	120	174	211	295
	M		34	29	32,3	37,3	38,3	46	61	72,3	-	-	-
	M1		-	-	-	-	-	-	-	-	100	125	205
	N		5,4	8	10	12	12,5	17	21	28	35	41	55
	O		6	6	10	10	10	10	10	12	18	18	18
	P		3,5	3	4	4	4	5	6	8	8	10	12
	R		-	-	-	-	-	-	-	-	12	15	18
	S		-	-	-	-	-	-	-	-	11	18	68,5
	T		12,8	14	16,5	19	20	26	34	45	58,5	70	87,5
	U		-	-	-	-	-	-	-	-	187	235	300
	V		2	-	-	-	-	-	-	-	-	-	-
	W		7	7	7	7	7	10	12	15	19	22	25
Inertia	❶	[kgm²]	0,00008	0,0001	0,0003	0,0008	0,0011	0,0032	0,015	0,0339	0,319	0,775	2,000
Inertia	❷	[kgm²]	0,00015	0,0002	0,0006	0,001	0,002	0,007	0,030	0,0629	0,406	1,08	2,660
Weight		[kg]	1	1,2	2	3	4	7	14	29,5	82	145	254
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



Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP