

ZAA

TOOTH CLUTCH

The “Z” electromagnetic tooth clutch series allows the transmission of high torques in static applications.

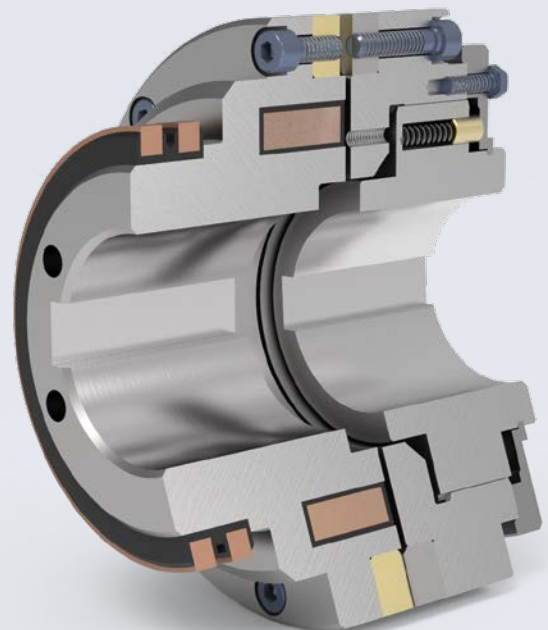
Max. speed	4000 – 1000 rpm
Diameter	190 – 740 mm
Static torque	160 – 100000 Nm

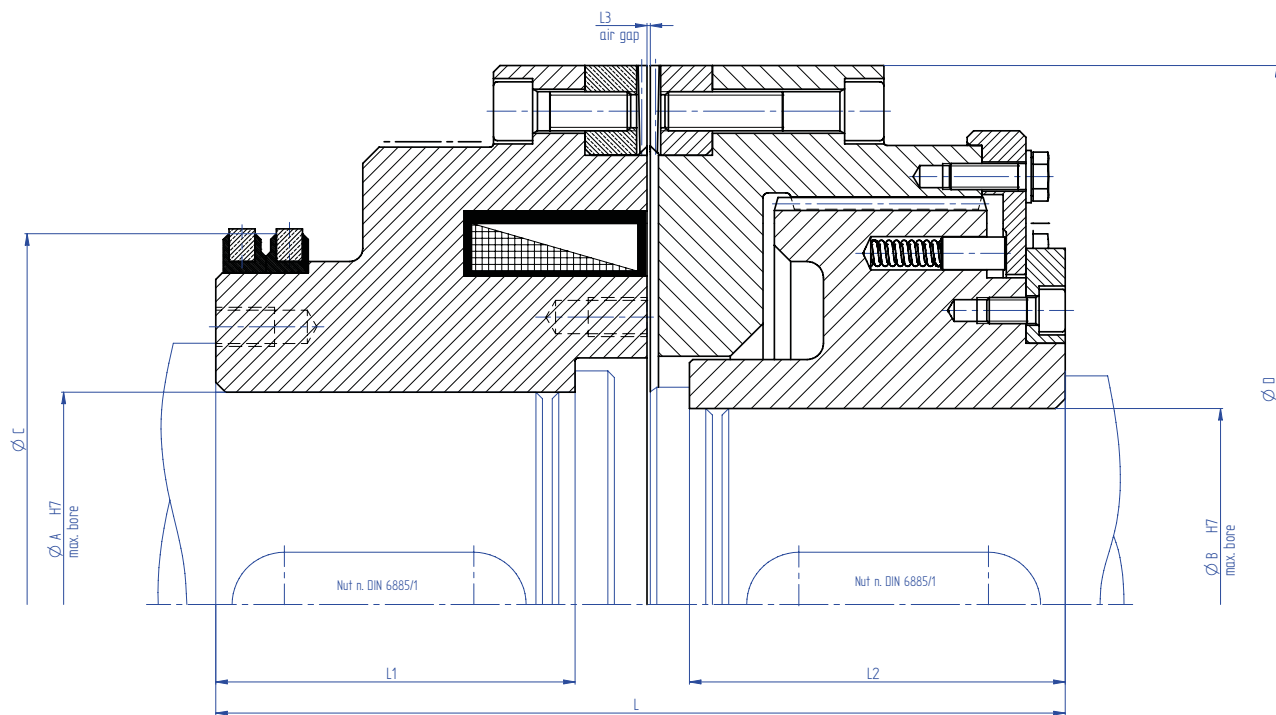
FEATURES

- Active or Passive Actuation Possible
- Compact design
- Simple handling
- Wide torque range up to highest torque values available
- Usable in dry running applications
- Available with slip rings, plug or cable connection
- Deliverable with suitable accessory
- Customization possible on request

MARKETS

- Bridge and Dam
- Marine
- Crane and Hoist
- Farm and Agriculture
- Oil and Gas
- Metals
- Gear Manufacturers
- General Machinery
- Renewable Energy





Size			63	100	160	250	400	630	1000	1600	2500	4000	6300	10000
Torque	TÜ	Nm	630	1000	1600	2500	4000	6300	10000	16000	25000	40000	63000	100000
Speed	max.	rpm	4000	3600	3200	2900	2700	2400	2000	1700	1400	1300	1100	1000
Weight		kg	20	25	35	50	66	100	147	218	322	482	720	1071
coil voltage		V	110V	110V	110V	110V	110V	110V	110V	110V	110V	110V	110V	110V
Diameter	a H7 (max.)	mm	70	80	90	100	110	130	150	180	210	230	260	300
	b H7 (max.)	mm	70	80	90	100	110	130	150	180	210	230	260	300
	c	mm	132	145	160	180	200	230	255	295	340	395	455	455
	d	mm	190	210	230	260	290	330	380	440	500	560	640	740
Lengths	L	mm	160	165	190	205	225	260	290	340	380	430	490	580
	L1	mm	74	70	85	85	95	110	125	135	155	175	200	245
	L2	mm	68	72	80	85	100	115	130	160	180	195	230	260
	L3 air gap	mm	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5

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