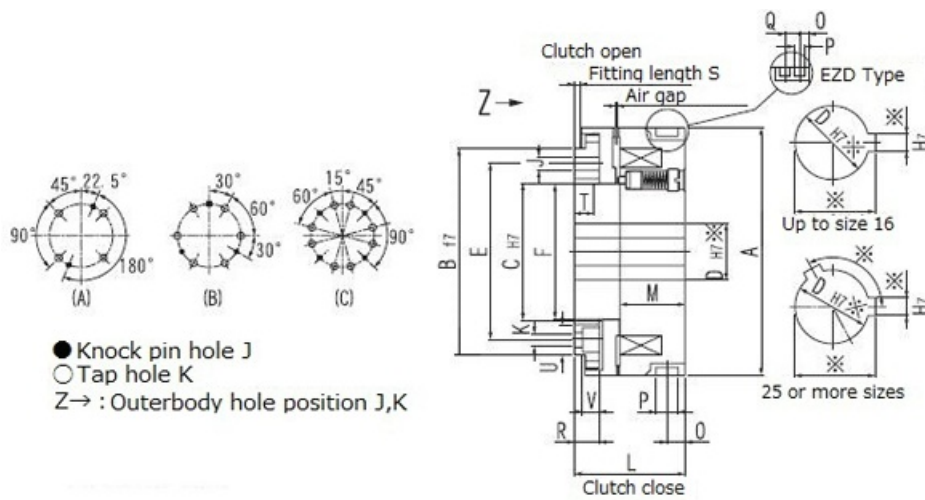


EZE / EZD Type

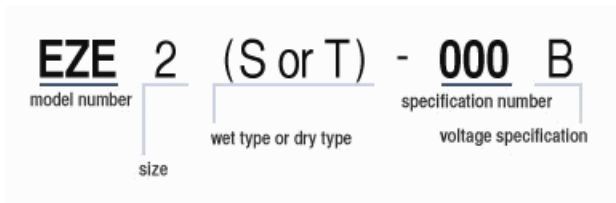
Electromagnetic toothed clutch

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Overall View



Part Number



Specifications

Model	Max Speed [min ⁻¹]	Weight [kg]	Torque [N·m]	Coil 20deg.C Voltage DC [V]	Coil 20deg.C Wattage [W]	Coil 20deg.C Current [A]
EZE2	5500	0.87	20	24	21.9	0.91
EZE5	4500	1.50	50	24	26.4	1.10
EZE10	4000	2.30	100	24	30.6	1.28

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EZE16	3500	3.00	160	24	39.0	1.63
EZE25	3300	4.25	250	24	40.0	1.68
EZE40	3000	6.42	400	24	48.0	2.00
EZE63	2500	8.90	630	24	57.0	2.36
EZE100	2200	14.00	1000	24	66.0	2.76
EZE160	2000	20.00	1600	24	83.0	3.45
EZE250	1700	34.00	2500	24	102.0	4.26
EZE400	1500	48.00	4000	24	137.0	5.72
EZE630	1300	70.00	6300	24	144.0	6.00
EZE1000	1100	127.00	10000	24	183.0	7.65
EZE1600	1000	186.00	16000	24	203.5	8.48
EZD2	5500	0.87	20	24	21.9	0.91
EZD5	4500	1.50	50	24	26.4	1.10
EZD10	4000	2.30	100	24	30.6	1.28
EZD16	3500	3.00	160	24	39.0	1.63
EZD25	3300	4.25	250	24	40.0	1.68
EZD40	3000	6.42	400	24	48.0	2.00
EZD63	2500	8.90	630	24	57.0	2.36
EZD100	2200	14.00	1000	24	66.0	2.76
EZD160	2000	20.00	1600	24	83.0	3.45
EZD250	1700	34.00	2500	24	102.0	4.26
EZD400	1500	48.00	4000	24	137.0	5.72
EZD630	1300	70.00	6300	24	144.0	6.00
EZD1000	1100	127.00	10000	24	183.0	7.65
EZD1600	1000	186.00	16000	24	203.5	8.48

Model	Brush Size	Air Gap Clutch Open [mm]
EZE2	Gr62	0.4
EZE5	Gr62	0.5
EZE10	Gr62	0.5
EZE16	Gr62	0.5
EZE25	Gr62	0.6
EZE40	Gr62	0.6
EZE63	Gr62	0.7
EZE100	Gr62	0.7
EZE160	Gr62×2	0.9
EZE250	Gr62×2	0.9
EZE400	Gr62×2	1.0

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EZE630	Gr62×2	1.0
EZE1000	Gr62×2	1.2
EZE1600	Gr62×2	1.5
EZD2	Gr62	0.4
EZD5	Gr62	0.5
EZD10	Gr62	0.5
EZD16	Gr62	0.5
EZD25	Gr62	0.6
EZD40	Gr62	0.6
EZD63	Gr62	0.7
EZD100	Gr62	0.7
EZD160	Gr62×2	0.9
EZD250	Gr62×2	0.9
EZD400	Gr62×2	1.0
EZD630	Gr62×2	1.0
EZD1000	Gr62×2	1.2
EZD1600	Gr62×2	1.5

Diameter

Model	Diameter A [mm]	Diameter B f7 [mm]	Diameter C H7 [mm]	Diameter D max H7 [mm]	Diameter D Pilot Hole H7 [mm]	Diameter E [mm]
EZE2	75	65	45	30	10	55
EZE5	90	75	53	40	10	64
EZE10	105	85	65	45	15	75
EZE16	115	100	70	50	18	85
EZE25	125	105	75	55	20	90
EZE40	140	115	85	60	20	100
EZE63	160	130	95	70	20	115
EZE100	185	155	115	80	20	135
EZE160	215	180	130	95	40	155
EZE250	250	210	150	110	50	180
EZE400	280	235	175	125	60	205
EZE630	320	270	200	140	70	235
EZE1000	380	330	250	165	80	290

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EZE1600	450	380	280	180	90	330
EZD2	75	65	45	30	10	55
EZD5	90	75	53	40	10	64
EZD10	105	85	65	45	15	75
EZD16	115	100	70	50	18	85
EZD25	125	105	75	55	20	90
EZD40	140	115	85	60	20	100
EZD63	160	130	95	70	20	115
EZD100	185	155	115	80	20	135
EZD160	215	180	130	95	40	155
EZD250	250	210	150	110	50	180
EZD400	280	235	175	125	60	205
EZD630	320	270	200	140	70	235
EZD1000	380	330	250	165	80	290
EZD1600	450	380	280	180	90	330

Model	Diameter F [mm]	Diameter J (Ream Hole) [mm]	Diameter K (Bolt Hole) [mm]	Diameter U (Spot facing Hole) [mm]
EZE2	39.5	2-ø4	4-M4	ø8
EZE5	49.0	2-ø5	4-M5	ø9
EZE10	57.0	2-ø5	4-M5	ø9
EZE16	62.0	2-ø6	4-M6	ø11
EZE25	68.0	2-ø8	4-M6	ø11
EZE40	74.0	3-ø8	6-M6	ø11
EZE63	85.0	3-ø8	6-M8	ø15
EZE100	97.0	3-ø10	6-M8	ø15
EZE160	113.0	3-ø10	6-M10	ø18
EZE250	130.0	4-ø12	8-M12	ø20
EZE400	148.0	4-ø12	8-M12	ø20
EZE630	164.0	4-ø14	8-M16	ø27
EZE1000	193.0	4-ø16	8-M16	ø27
EZE1600	230.0	4-ø16	8-M20	ø33
EZD2	39.5	2-ø4	4-M4	ø8
EZD5	49.0	2-ø5	4-M5	ø9
EZD10	57.0	2-ø5	4-M5	ø9
EZD16	62.0	2-ø6	4-M6	ø11
EZD25	68.0	2-ø8	4-M6	ø11
EZD40	74.0	3-ø8	6-M6	ø11
EZD63	85.0	3-ø8	6-M8	ø15

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EZD100	97.0	3- ϕ 10	6-M8	ϕ 15
EZD160	113.0	3- ϕ 10	6-M10	ϕ 18
EZD250	130.0	4- ϕ 12	8-M12	ϕ 20
EZD400	148.0	4- ϕ 12	8-M12	ϕ 20
EZD630	164.0	4- ϕ 14	8-M16	ϕ 27
EZD1000	193.0	4- ϕ 16	8-M16	ϕ 27
EZD1600	230.0	4- ϕ 16	8-M20	ϕ 33

Length

Model	Length L [mm]	Length M [mm]	Length O [mm]	Length P [mm]	Length Q [mm]	Length R [mm]
EZE2	33.0	18.0	6.5	8.0		8.0
EZE5	40.0	23.5	6.5	8.0		9.0
EZE10	45.0	26.0	6.5	8.0		10.5
EZE16	50.0	28.5	6.5	8.0		12.5
EZE25	58.0	33.0	6.5	8.0		15.5
EZE40	67.0	39.0	7.5	10.0		17.0
EZE63	75.0	42.0	7.5	10.0		19.5
EZE100	85.0	49.0	7.5	10.0		21.0
EZE160	100.0	58.0	7.5	10.0		25.5
EZE250	115.0	66.0	8.5	10.0		29.0
EZE400	130.0	75.0	8.5	10.0		32.0
EZE630	150.0	88.0	9.5	12.0		35.0
EZE1000	175.0	102.0	10.0	12.0		41.0
EZE1600	205.0	125.0	14.0	14.0		45.0
EZD2	42.0	27.0	6.0	8.0	11.0	8.0
EZD5	52.0	35.5	6.0	8.0	12.0	9.0
EZD10	57.0	38.0	6.0	8.0	12.0	10.5
EZD16	62.0	40.5	6.0	8.0	12.0	12.5
EZD25	58.0	33.0	6.0	8.0	12.0	15.5
EZD40	67.0	39.0	7.0	10.0	14.0	17.0
EZD63	75.0	42.0	8.0	10.0	14.0	19.5
EZD100	85.0	49.0	8.0	10.0	16.0	21.0
EZD160	100.0	58.0	8.0	10.0	16.0	25.5
EZD250	115.0	66.0	8.0	10.0	16.0	29.0

EZE / EZD Type

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EZD400	130.0	75.0	9.0	10.0	16.0	32.0
EZD630	150.0	88.0	10.0	12.0	20.0	35.0
EZD1000	175.0	102.0	10.0	12.0	20.0	41.0
EZD1600	205.0	125.0	14.0	14.0	22.0	45.0

Model	Length S [mm]	Length T max [mm]	Length V (Spot facing Depth) [mm]
EZE2	1.5	6	4.9
EZE5	2.0	7	6.0
EZE10	2.0	8	6.0
EZE16	2.0	9	7.2
EZE25	2.5	12	7.2
EZE40	2.5	12	7.2
EZE63	3.0	15	9.4
EZE100	3.0	15	9.4
EZE160	4.0	20	11.8
EZE250	4.0	20	14.2
EZE400	4.0	25	14.2
EZE630	4.0	25	19.3
EZE1000	6.0	30	19.3
EZE1600	6.0	33	24.0
EZD2	1.5	6	4.9
EZD5	2.0	7	6.0
EZD10	2.0	8	6.0
EZD16	2.0	9	7.2
EZD25	2.5	12	7.2
EZD40	2.5	12	7.2
EZD63	3.0	15	9.4
EZD100	3.0	15	9.4
EZD160	4.0	20	11.8
EZD250	4.0	20	14.2
EZD400	4.0	25	14.2
EZD630	4.0	25	19.3
EZD1000	6.0	30	19.3
EZD1600	6.0	33	24.0

EZE / EZD Type

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Other Specifications

Model	Moment of Inertia J Yoke Side [×10-2kg·m ²]	Moment of Inertia J Armature Side [×10-2kg·m ²]
EZE2	0.0425	0.0250
EZE5	0.1125	0.0625
EZE10	0.2250	0.1375
EZE16	0.3625	0.2250
EZE25	0.6000	0.3500
EZE40	1.1250	0.6750
EZE63	2.0500	1.2500
EZE100	4.2500	3.0000
EZE160	8.2500	5.5000
EZE250	18.7500	11.2500
EZE400	33.7500	21.2500
EZE630	68.7500	40.0000
EZE1000	157.5000	92.5000
EZE1600	375.0000	185.0000
EZD2	0.0425	0.0250
EZD5	0.1125	0.0625
EZD10	0.2250	0.1375
EZD16	0.3625	0.2250
EZD25	0.6000	0.3500
EZD40	1.1250	0.6750
EZD63	2.0500	1.2500
EZD100	4.2500	3.0000
EZD160	8.2500	5.5000
EZD250	18.7500	11.2500
EZD400	33.7500	21.2500
EZD630	68.7500	40.0000
EZD1000	157.5000	92.5000
EZD1600	375.0000	185.0000

Notes

- Please indicate whether it is wet type (S) or dry type (T).
- Applied hole location on outer body is either of (A) F7F (D) 2 - 25 (B) F7F (D) 40 - 160 or (C) F7F (D) 250

EZE / EZD Type

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2. Applied hole location on outer body is either of (A) EZE (D) 2 - 20, (B) EZE (D) 10 - 100 or (C) EZE (D) 200 - 1600.

3. Please indicate dimension of the part marked (If nothing is indicated, product with prepared hole shall be delivered).

4. Length of bush may be shortened up to T-dimension.

5. Since product with prepared knock pin hole is delivered, it shall be processed at assembly.

6. No power supply unit and power unit attached, which shall be ordered separately with reference to electromagnetic clutch / electric component for brake.