MIKI PULLEY

101(13G/15G/11G) - Datasheet

FLANGE-MOUNTED TYPE

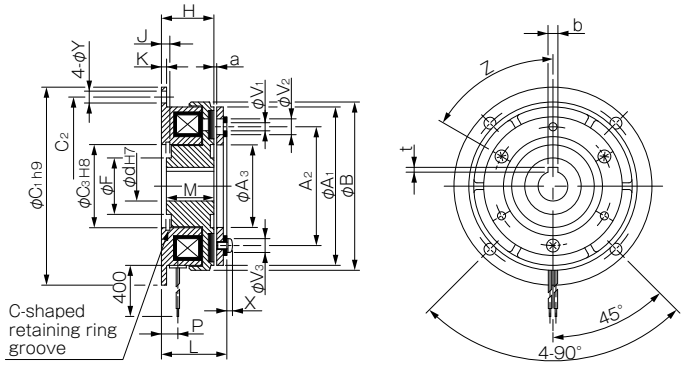
Specifications

Model	Size	Dynamic friction torque T_d [N·m]	Static friction torque T_S [N·m]	Coil [at 20 ℃]				Heat resistance class	Lead wire		Max. rotation speed [min^{-1}]	Rotating part moment of inertia J		Total work performed until readjustment of the air gap E_T [J]	Armature pull-in time t_a [s]	Torque build-up time t_p [s]	Torque decrease time t_d [s]	Mass [kg]
				Voltage [V]	Wattage [W]	Current [A]	Resistance [Ω]		UL style	Size		Rotor [kg·m²]	Armature [kg·m²]					
101-06-13G													4.23×10^{-5}					0.46
101-06-15G	06	5	5.5	DC24	11	0.46	52	B	UL3398	AWG22	8000	7.35×10^{-5}	1.05×10^{-4}	36×10^{6}	0.020	0.041	0.020	0.66
101-06-11G													6.03×10^{-5}					0.5
101-08-13G													1.18×10^{-4}					0.83
101-08-15G	08	10	11	DC24	15	0.63	38	B	UL3398	AWG18	6000	2.24×10^{-4}	3.00×10^{-4}	60×10^{6}	0.023	0.051	0.030	1.19
101-08-11G													1.71×10^{-4}					0.91
101-10-13G													4.78×10^{-4}					1.5
101-10-15G	10	20	22	DC24	20	0.83	29	B	UL3398	AWG18	5000	6.78×10^{-4}	9.45×10^{-4}	130×10^{6}	0.025	0.063	0.050	2.11
101-10-11G													6.63×10^{-4}					1.66
101-12-13G													1.31×10^{-3}					2.76
101-12-15G	12	40	45	DC24	25	1.04	23	B	UL3398	AWG18	4000	2.14×10^{-3}	2.75×10^{-3}	250×10^{6}	0.040	0.115	0.065	3.8
101-12-11G													1.81×10^{-3}					3.05
101-16-13G													4.80×10^{-3}					5.1
101-16-15G	16	80	90	DC24	35	1.46	16	B	UL3398	AWG18	3000	6.30×10^{-3}	9.05×10^{-3}	470×10^{6}	0.050	0.160	0.085	6.9
101-16-11G													6.35×10^{-3}					5.4
101-20-13G													1.37×10^{-2}					9.3
101-20-15G	20	160	175	DC24	45	1.88	13	B	UL3398	AWG16	2500	1.93×10^{-2}	2.65×10^{-2}	10×10^{8}	0.090	0.250	0.130	13
101-20-11G													1.90×10^{-2}					10.5
101-25-13G													3.58×10^{-2}					17
101-25-15G	25	320	350	DC24	60	2.5	9.6	B	UL3398	AWG16	2000	4.48×10^{-2}	7.45×10^{-2}	20×10^{8}	0.115	0.335	0.210	23.6
101-25-11G													4.83×10^{-2}					18.7

- The dynamic friction torque, T_d, is measured at a relative speed of 100 min^{-1}.
- The moment of inertia of a rotating body and mass are specified for the maximum bore diameter.

Dimensions (101-□-13G)

For direct mounting



Unit [mm]

Size	Shaft bore dimensions				
	d H7	Models compliant with JIS standards		Models compliant with the old JIS standards	
		b P9	t	b E9	t
06	12	4 -0.012 -0.042	1.5 +0.5 0	4 +0.050 +0.020	1.5 +0.5 0
	15	5 -0.012 -0.042	2 +0.5 0	5 +0.050 +0.020	2 +0.5 0
08	15	5 -0.012 -0.042	2 +0.5 0	5 +0.050 +0.020	2 +0.5 0
	20	6 -0.012 -0.042	2.5 +0.5 0	5 +0.050 +0.020	2 +0.5 0
10	20	6 -0.012 -0.042	2.5 +0.5 0	5 +0.050 +0.020	2 +0.5 0
	25	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
12	25	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
	30	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
16	30	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
	40	12 -0.018 -0.061	3 +0.5 0	10 +0.061 +0.025	3.5 +0.5 0
20	40	12 -0.018 -0.061	3 +0.5 0	10 +0.061 +0.025	3.5 +0.5 0
	50	14 -0.018 -0.061	3.5 +0.5 0	12 +0.075 +0.032	3.5 +0.5 0
25	50	14 -0.018 -0.061	3.5 +0.5 0	12 +0.075 +0.032	3.5 +0.5 0
	60	18 -0.018 -0.061	4 +0.5 0	15 +0.075 +0.032	5 +0.5 0

Unit [mm]

Size	Radial direction dimensions													Axial direction dimensions							
	A_1	A_2	A_3	B	C_1	C_2	C_3	F	V_1	V_2	V_3	Y	Z	H	J	K	L	M	P	X	a
06	63	46	34.5	67.5	80	72	35	23	3-3.1	3-6.3	3-5.5	5	6-60°	24	3.5	2.1	28	22	7.3	2.5	0.2 ±0.05
08	80	60	41.5	85	100	90	42	28.5	3-4.1	3-8	3-7	6	6-60°	26.5	4.3	2.6	31	24	8.3	2.85	0.2 ±0.05
10	100	76	51.5	106	125	112	52	40	3-5.1	3-11	3-9	7	6-60°	30	5	3.1	36.1	27	9	3.3	0.2 ±0.05
12	125	95	61.5	133	150	137	62	45	3-6.1	3-12	3-11	7	6-60°	33.5	5.5	3.6	40.5	30	9.3	3.3	0.3 +0.05 −0.1
16	160	120	79.5	169	190	175	80	62	3-8.2	3-15	3-14	9.5	6-60°	37.5	6	4.1	46.5	34	11.7	3.5	0.3 +0.05 −0.1
20	200	158	99.5	212.3	230	215	100	77	3-10.2	3-18	3-16.2	9.5	6-60°	44	7	5.1	55.4	40	13.4	4.9	0.5 0 −0.2
25	250	210	124.5	264	290	270	125	100	4-12.2	4-22	4-20	11.5	8-45°	51	8	6.1	63.9	47	16	5.5	0.5 0 −0.2

How to Place an Order

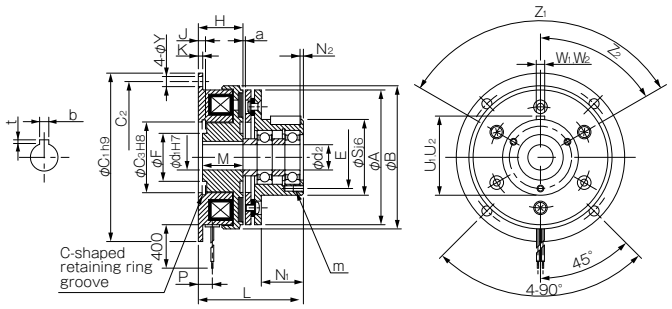
101-06-13G 24V 12DIN

- 101-06-13G: Size
- 12DIN: Rotor bore diameter (dimensional symbol d)
- DIN: Keyway standards
  - DIN: Compliant with JIS standards P9
  - JIS: Compliant with the old JIS standards (class 2) E9

MIKI PULLEY EUROPE AG
www.mikipulley.de
Rheinweg 5, CH-8200 Schaffhausen, Tel: +41 52 625 24 24
Bauhofstraße 12, D-63762 Großostheim, Tel: +49 6026 999 610

Dimensions (101-□-15G)

For through-shafts



Unit [mm]

Size	Shaft bore dimensions					
	d1 H7	d2	Models compliant with JIS standards		Models compliant with the old JIS standards	
			b P9	t	b E9	t
06	12	12	4 -0.012 -0.042	1.5 +0.5 0	4 +0.050 +0.020	1.5 +0.5 0
08	15	15	5 -0.012 -0.042	2 +0.5 0	5 +0.050 +0.020	2 +0.5 0
10	20	20	6 -0.012 -0.042	2.5 +0.5 0	5 +0.050 +0.020	2 +0.5 0
12	25	25	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
16	30	30	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
20	40	40	12 -0.018 -0.061	3 +0.5 0	10 +0.061 +0.025	3.5 +0.5 0
25	50	50	14 -0.018 -0.061	3.5 +0.5 0	12 +0.075 +0.032	3.5 +0.5 0

Unit [mm]

Size	Radial direction dimensions											Axial direction dimensions												
	A1	B	C1	C2	C3	E	F	Y	S	Z1	Z2	H	J	K	L	M	N1	N2	P	U1	W1	U2	W2	a	m
06	63	67.5	80	72	35	33	23	5	38	3-120°	60°	24	3.5	2.1	51.5	22	20	2	7.3	39.5	4	39.5	4	0.2 ±0.05	3-M4 × 0.7, length: 4
08	80	85	100	90	42	37	28.5	6	45	3-120°	60°	26.5	4.3	2.6	60	24	25	2	8.3	47	5	47	5	0.2 ±0.05	3-M4 × 0.7, length: 6
10	100	106	125	112	52	47	40	7	55	4-90°	45°	30	5	3.1	71.1	27	30	3	9	57	5	57.5	6	0.2 ±0.05	4-M4 × 0.7, length: 8
12	125	133	150	137	62	52	45	7	64	4-90°	45°	33.5	5.5	3.6	86.5	30	40	2.2	9.3	67	7	67	8	0.3 +0.05 -0.1	4-M4 × 0.7, length: 8
16	160	169	190	175	80	62	62	9.5	75	6-60°	30°	37.5	6	4.1	103.5	34	50	3	11.7	78	7	78	8	0.3 +0.05 -0.1	6-M5 × 0.8, length: 8
20	200	212.3	230	215	100	74.5	77	9.5	90	4-90°	45°	44	7	5.1	124.4	40	60	5	13.4	93.5	10	93	10	0.5 0 -0.2	4-M6 × 1, length: 12
25	250	264	290	270	125	101.5	100	11.5	115	8-45°	22.5°	51	8	6.1	144.9	47	70	6	16	118.5	12	118	12	0.5 0 -0.2	8-M6 × 1, length: 12

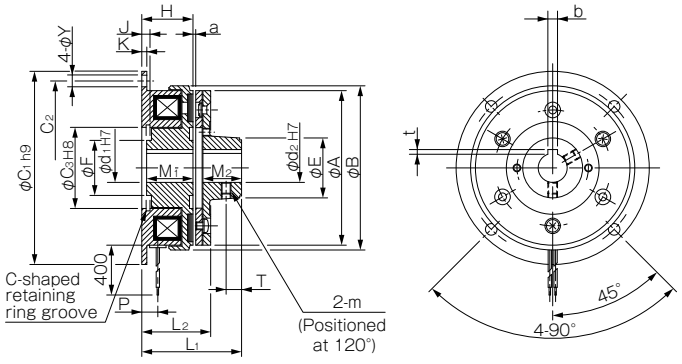
How to Place an Order

101-06-15G 24V R12DIN A12JIS

- Size: 06
- Rotor bore diameter (dimensional symbol d1): R12
- Keyway standards DIN: Compliant with JIS standards P9 / JIS: Compliant with the old JIS standards (class 2) E9: DIN
- Armature bore diameter (dimensional symbol d2): A12
- Armature type-5 keyway standards: JIS
  - Dimensional symbol U2, W2: Compliant with JIS standards P9
  - Dimensional symbol U1, W1: Compliant with the old JIS standards (class 2) E9

Dimensions (101-□-11G)

For butt shafts



Unit [mm]

Size	Shaft bore dimensions					
	d1 H7	d2 H7	Models compliant with JIS standards		Models compliant with the old JIS standards	
			b P9	t	b E9	t
06	12	12	4 -0.012 -0.042	1.5 +0.5 0	4 +0.050 +0.020	1.5 +0.5 0
	15	15	5 -0.012 -0.042	2 +0.5 0	5 +0.050 +0.020	2 +0.5 0
08	15	15	5 -0.012 -0.042	2 +0.5 0	5 +0.050 +0.020	2 +0.5 0
	20	20	6 -0.012 -0.042	2.5 +0.5 0	5 +0.050 +0.020	2 +0.5 0
10	20	20	6 -0.012 -0.042	2.5 +0.5 0	5 +0.050 +0.020	2 +0.5 0
	25	25	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
12	25	25	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
	30	30	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
16	30	30	8 -0.015 -0.051	3 +0.5 0	7 +0.061 +0.025	3 +0.5 0
	40	40	12 -0.018 -0.061	3 +0.5 0	10 +0.061 +0.025	3.5 +0.5 0
20	40	40	12 -0.018 -0.061	3 +0.5 0	10 +0.061 +0.025	3.5 +0.5 0
	50	50	14 -0.018 -0.061	3.5 +0.5 0	12 +0.075 +0.032	3.5 +0.5 0
25	50	50	14 -0.018 -0.061	3.5 +0.5 0	12 +0.075 +0.032	3.5 +0.5 0
	60	60	18 -0.018 -0.061	4 +0.5 0	15 +0.075 +0.032	5 +0.5 0

Unit [mm]

Size	Radial direction dimensions									Axial direction dimensions									
	A1	B	C1	C2	C3	E	F	Y	m	H	J	K	L1	L2	M1	M2	P	T	a
06	63	67.5	80	72	35	26	23	5	M4	24	3.5	2.1	43	31.5	22	15	7.3	6	0.2 ±0.05
08	80	85	100	90	42	31	28.5	6	M5	26.5	4.3	2.6	51	35	24	20	8.3	8	0.2 ±0.05
10	100	106	125	112	52	41	40	7	M5	30	5	3.1	61.1	41.1	27	25	9	10	0.2 ±0.05
12	125	133	150	137	62	49	45	7	M6	33.5	5.5	3.6	70.5	46.5	30	30	9.3	12	0.3 +0.05 -0.1
16	160	169	190	175	80	65	62	9.5	M8	37.5	6	4.1	84.5	53.5	34	38	11.7	15	0.3 +0.05 -0.1
20	200	212.3	230	215	100	83	77	9.5	M8	44	7	5.1	100.4	64.4	40	45	13.4	18	0.5 0 -0.2
25	250	264	290	270	125	105	100	11.5	M10	51	8	6.1	118	75	47	54	16	22	0.5 0 -0.2

How to Place an Order

101-06-11G 24V R12DIN A12DIN

- Size: 06
- Rotor bore diameter (dimensional symbol d1): R12
- Keyway standards DIN: Compliant with JIS standards P9 / JIS: Compliant with the old JIS standards (class 2) E9: DIN
- Armature bore diameter (dimensional symbol d2): A12
- Keyway standards DIN: Compliant with JIS standards P9 / JIS: Compliant with the old JIS standards (class 2) E9: DIN

MIKI PULLEY EUROPE AG

Rheinweg 5, CH-8200 Schaffhausen, Tel: +41 52 625 24 24
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