

B

Hybrid Rotary Stepper Motor

DINGS' provides 8 different sizes of hybrid stepper motors from 14mm to 86mm.

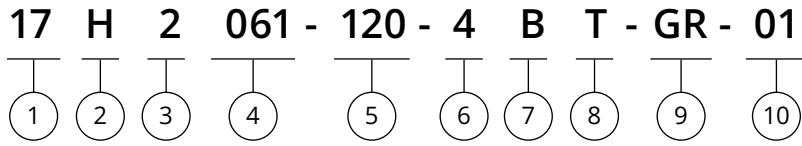
Each size has multiple stack lengths. Single or dual shaft is standard but customized shaft options are also available. DINGS' can customize all range of hybrid stepper motors as encoder ready for general motion solution providers and also encoder housing, special machining of front and rear shafts, special cables, wire harness assemblies and other solutions are available.

According to customer's requirements, we can adopt certain range of gearboxes, encoders, connectors and cables too. In addition, various ratio of planetary gearboxes, DINGS' standard encoders and power-off brakes (NEMA 11, 14, 17, 23 and 24), IP Protection is optional.



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Part Number Construction



① Motor Size

Motor Size (mm)	14	20	28	35	42	57	60	86
Motor Size (NEMA)	6	8	11	14	17	23	24	34

② Basic Structure

H = Normal

P = IP54

W = Enhanced

*For IP65, please contact DINGS' for more information

③ Motor Step Angle (°)

1 = 3°

2 = 1.8°

3 = 1.2°

4 = 0.9°

④ Motor Length (mm)

⑤ Rated Current

XXX = Rated current ×100 (A)

⑥ Wiring Number (3,4,5,6,8)

⑦ Shaft Configuration

A = Single shaft

B = Dual shaft

* Shaft dimension and D-Cut customization, please contact DINGS'

⑧ Wiring Method

L = Flying lead wire

T = Integrated connector

C = Cable

* If customer has special requirement for connector and cable, please inform DINGS'

⑨ Option

GR = Planetary gearbox ready

BR = Brake ready

ER = Encoder ready

PG = Planetary gearbox

Refers to the part number of gearbox with ratio

DG = DINGS' gearbox

FB = Power off brake, NB = Power on brake

EKX = Encoder [X = Encoder Resolution]

*DINGS' can customize shafts and covers to be ready to assemble Gearbox, Brake or Encoder by customers, according to customer's requirements by drawing.

*DINGS' has standard planetary gearbox options. Please see product details.

*Power-Off Brake is available for Motor size 28, 35, 42, 57 and 60mm

⑩ Customer Sequence Number

Example

Naming code 17H2061-120-4BT-GR-01

Description Size 42 mm
 Normal structure
 Step angle 1.8°
 Motor body length 61 mm
 Rated current 1.2 A
 4 wiring leads
 Dual shaft
 Wiring method integrated connector
 Gearbox ready
 Customization sequence code 01

Product Overview

Part Number	Current (A)	Resistance (Ω)	Inductance (mH)	Holding Torque (N·m)	Rotor Inertia (g·cm ²)	Motor Length (mm)	Mass (g)
6H2030	0.3	23	4	0.005	1.5	32	30
8H2028	0.5	5.1	1.5	0.012	2.7	27	60
8H2038	0.5	8.8	2.7	0.02	3.3	38.2	80
11H2033	1	2.1	1.2	0.06	9	33.5	110
11H2045	1	4.1	3.2	0.1	13	45	200
11H2052	1	4.7	3.9	0.14	18	52	280
14H2027	0.5	9.2	7.4	0.1	12	27	150
14H2037	1.5	1.65	2.1	0.2	20	37	210
14H2052	1.5	2.65	4.1	0.4	35	52	250
17H2031	1.2	1.7	2.3	0.16	23	31	200
17H2034	1.2	2.1	2.7	0.25	25	34	230
17H2041	1.2	2.4	4.7	0.4	54	41	300
17H2049	2	1.3	2	0.48	77	49	360
17H2061	2	1.7	3.6	0.72	110	61	500
23H2042	1	4.2	9	0.6	140	42	460
23H2045	1	4.5	12	0.8	180	45	520
23H2051	2	1.5	4.4	1	240	51	640
23H2055	2	1.6	5.2	1.2	280	55	720
23H2065	3	0.9	2.7	1.6	350	65	860
23H2076	4	0.6	2.4	2	480	76	1060
23H2100	5	0.46	2.3	3	720	100	1500
24H2047	2	1.5	3.4	1	240	47	600
24H2056	3	0.8	2.3	1.5	340	56	800
24H2068	4	0.6	1.9	2.1	490	68	1000
24H2085	5	0.4	1.8	3	690	85	1300
34H2060	3	1	6	3	1100	60.5	1600
34H2075	4.5	0.6	4.5	4.5	1800	75	2100
34H2098	6	0.5	3.5	7	2800	96.5	2900