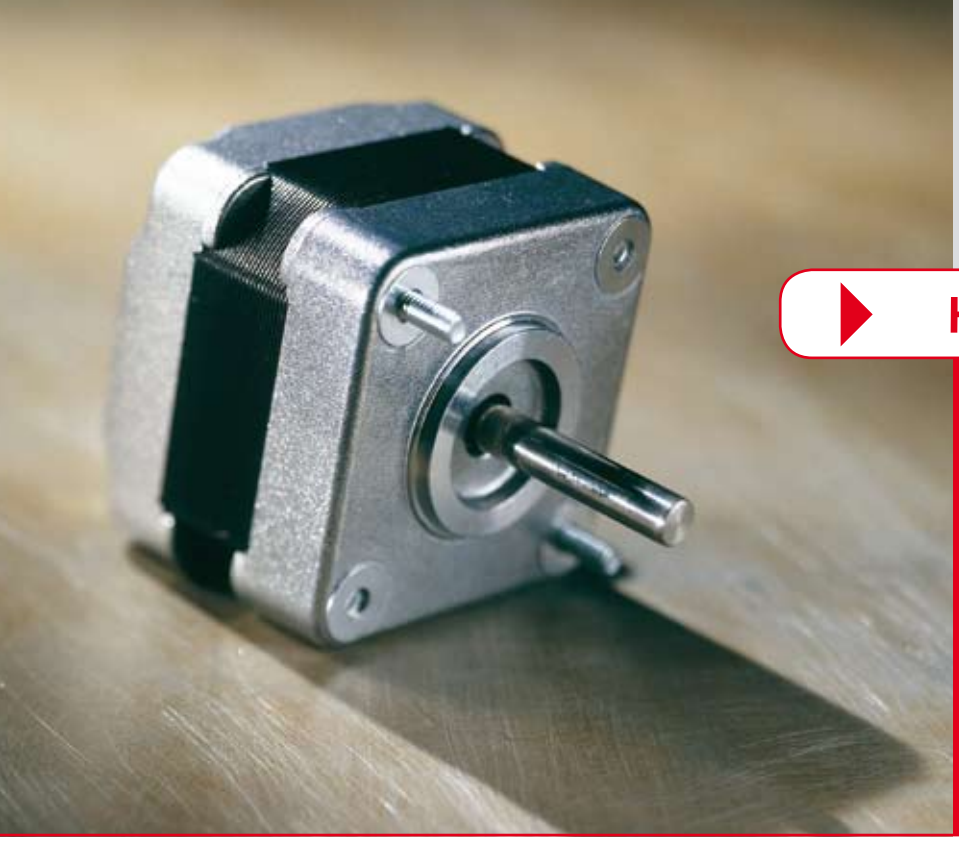


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Hybrid stepper motors

6540-13

- **Step angle ..... 1.8°**
- **Size ..... 42 x 42 mm**
- **Weight ..... 200 g**
- **Holding torque .... 130/90 mNm**

The hybrid stepper motor comes into its own where torque at low speed, positioning, and accuracy are determining factors.

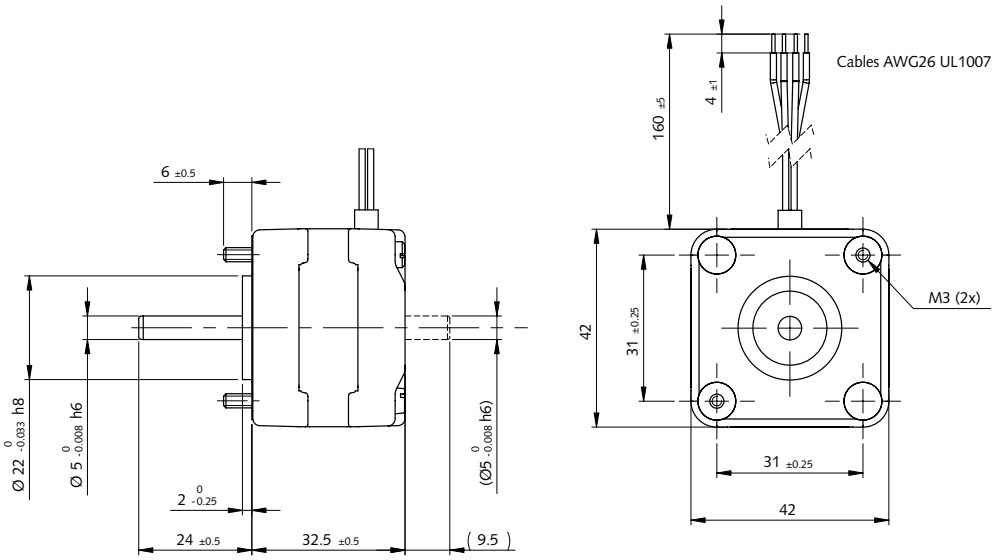
Technical data

	Part N°	Phase resistance [Ω]	Phase inductance [mH]	Phase current [A]	Holding torque [mNm]	Nominal power [W]
Bipolar	6540-13-2-2	2	2.7	1.12	130	5
	6540-13-2-9	9	13	0.52	130	5
	6540-13-2-36	36	37	0.26	130	5
Unipolar	6540-13-4-2	2	1.5	1.12	90	5
	6540-13-4-9	9	5.6	0.52	90	5
	6540-13-4-36	36	21	0.26	90	5

Steps/rev.	200
Step accuracy	± 5 %
Rotor inertia	18 gcm²
Insulation class	B 130° C
Protection	DIN 40050 IP 30
Test voltage	500 VAC
Detent torque	10 mNm

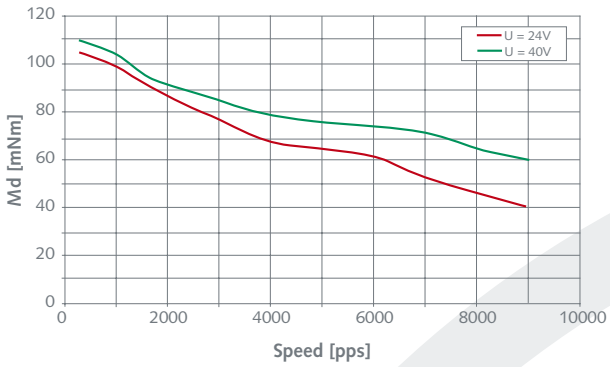
Dimensions

Drawing not to scale. All dimensions in mm.

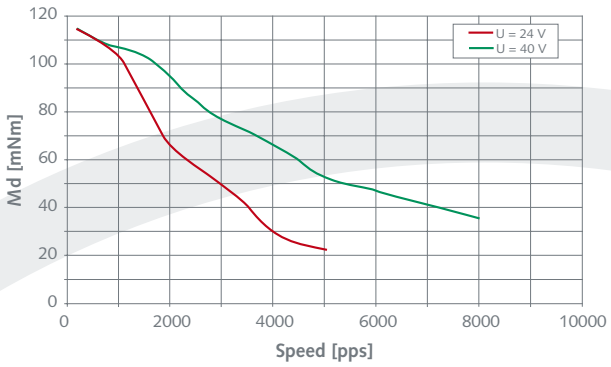


Dynamic characteristics

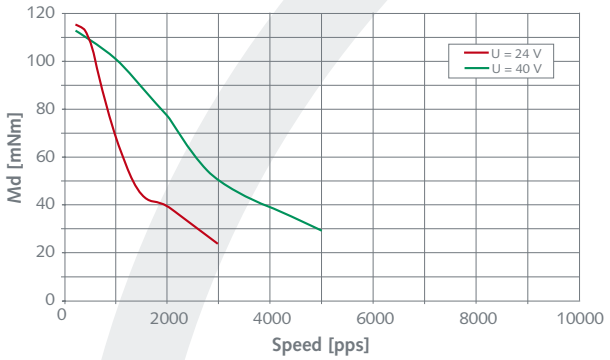
- **6540-13-2-2**



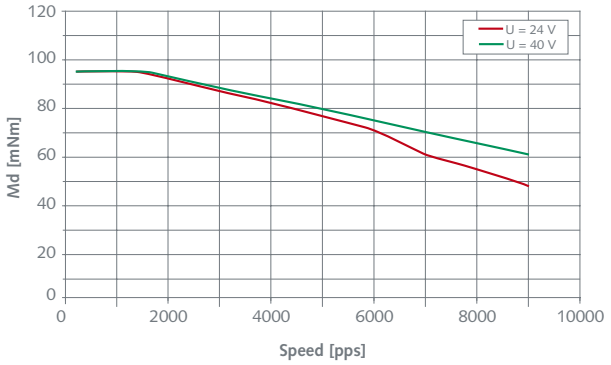
- **6540-13-2-9**



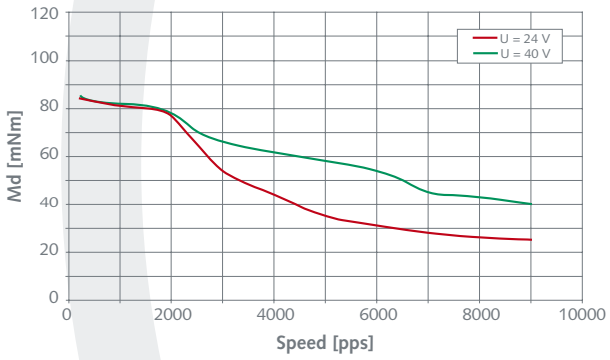
- **6540-13-2-36**



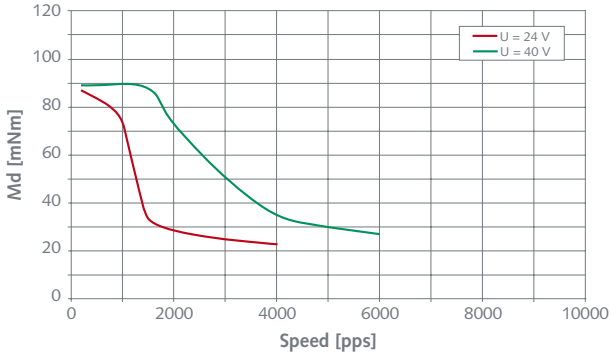
- **6540-13-4-2**



- **6540-13-4-9**



- **6540-13-4-36**



[pps] = pulses per second

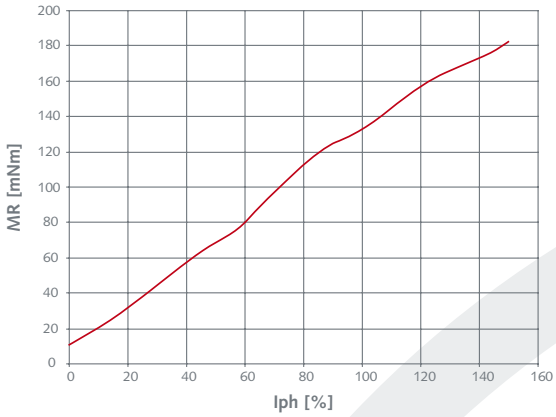
Special requirements upon customer specifications. Right to change reserved. *< 1.0 >*

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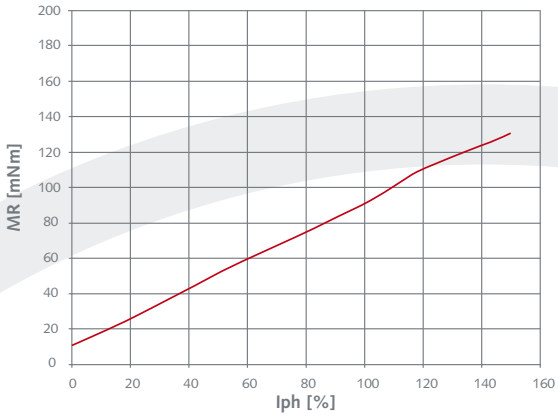
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Static characteristics

- 6540-13-2 Series

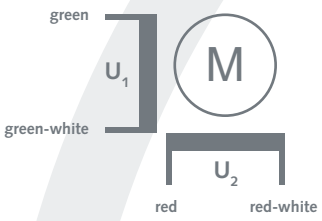


- 6540-13-4 Series

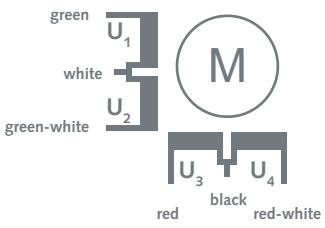


Electrical Interface

- Bipolar



- Unipolar



Special requirements upon customer specifications. Right to change reserved. *< 1.0 >*

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