

Permanent magnet stepper motors, 7.5°-18°, types SP0618 - SP5575



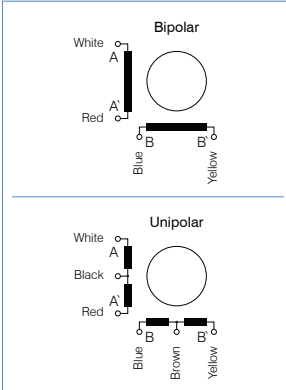
- with molded-on connector
- with high-quality plain bearings on both sides

Due to the simple construction, SP permanent magnet motors are suited for inexpensive device applications where large step angles are sufficient. The SPG variants have an integrated gearing with a gear reduction of 50 or 102.

Option



Pin configuration



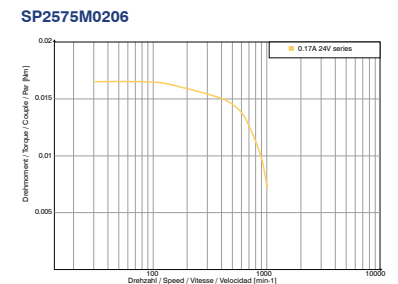
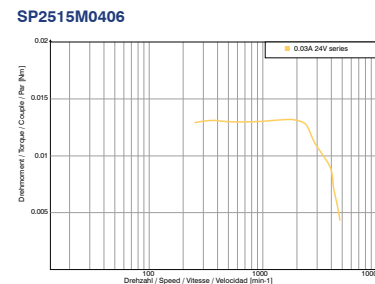
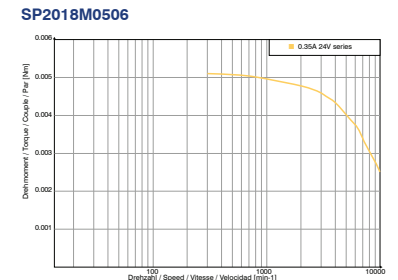
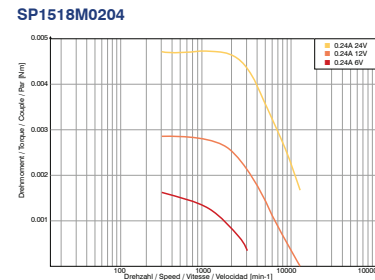
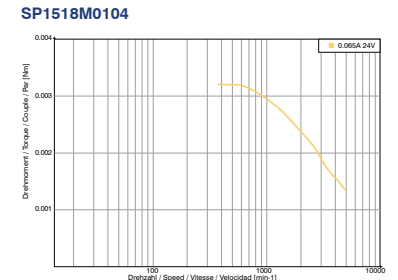
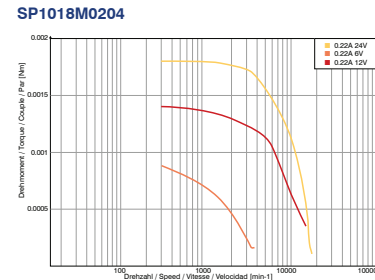
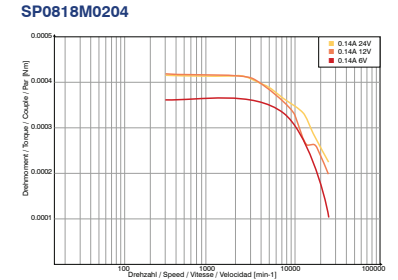
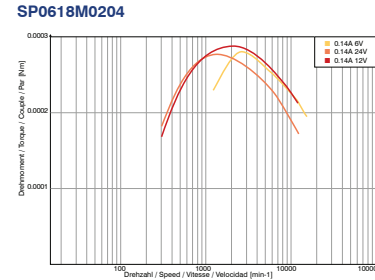
Order identifier

SP(G) 3575 S 0506 - (A)
 A = one shaft end

Available versions (other version of winding, shaft and flange on request)									
Type	Step Resolution °	Current per winding A/winding	Voltage per winding V/winding	Holding torque N cm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm ²	Weight kg	Diameter (mm)
SP0618M0204	18°	0.250	3,0	0,045	12,0	10,00	0,002	0,002	6
SP0818M0204	18°	0.238	5,0	0,059	21,0	1,37	0,002	0,003	8
SP1018M0204	18°	0.220	3,3	0,160	15,0	3,00	0,010	0,006	10
SP1518M0104	18°	0.065	12,0	0,200	190,0	37,00	1,000	0,012	15
SP1518M0204	18°	0.24	12,0	0,200	50,0	9,00	1,000	0,012	15
SPG1518M0504-50	0.36°	0.50	5,0	13,500	10,0	2,30	1,000	0,012	15
SPG1518M0504-102	0.176°	0.50	5,0	20,000	10,0	2,30	1,000	0,012	15
SP2018M0506	18°	0.500	5,0	0,500	10,0	1,85	1,000	0,026	20
SP2515M0406	15°	0.430	5,0	1,000	11,5	2,30	1,000	0,036	25
SP2575M0206	7.5°	0.240	12,0	1,100	50,0	3,00	1,000	0,036	25
SP2575M0506	7.5°	0.500	5,0	1,400	10,0	2,00	1,000	0,036	25
SP2575M0704	7.5°	0.760	3,8	1,000	5,0	3,00	1,000	0,036	25
SP3575S0506	7.5°	0.500	5,0	4,000	10,0	3,80	5,000	0,090	35
SP3575M0906	7.5°	0.860	5,0	5,500	5,8	6,50	7,500	0,090	35
SP4275S0606	7.5°	0.590	5,0	5,000	8,6	4,50	9,600	0,110	42
SP4275M0806	7.5°	0.810	5,0	6,000	6,2	5,50	9,600	0,130	42
SP5575M0106	7.5°	0.120	12,0	15,000	100,0	107,00	12,500	0,270	57
SP5575M0604	7.5°	0.625	5,6	12,000	9,0	19,50	12,500	0,270	57

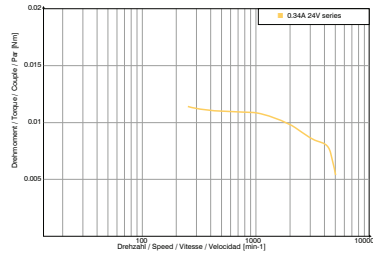
All data refer to unipolar!

Speed/torque curves

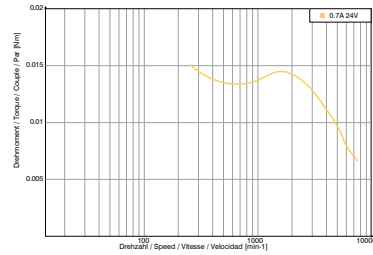


Speed/torque curves

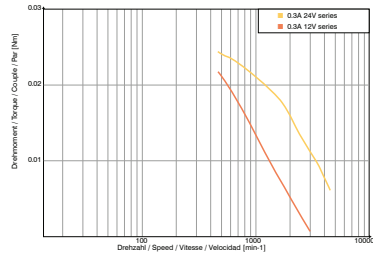
SP2575M0506



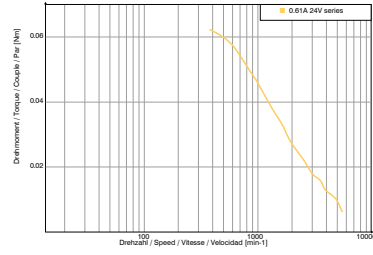
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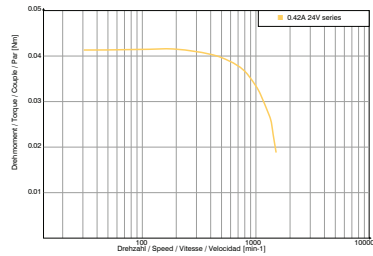
SP3575S0506



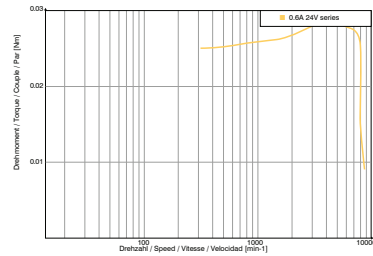
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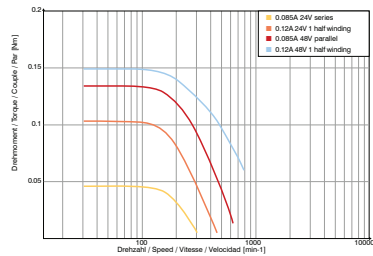
SP4275S0606



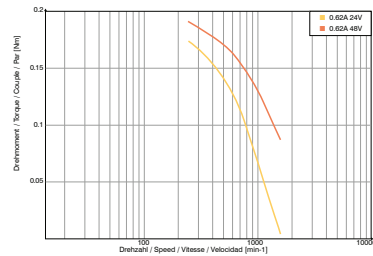
SP4275M0806



SP5575M0106

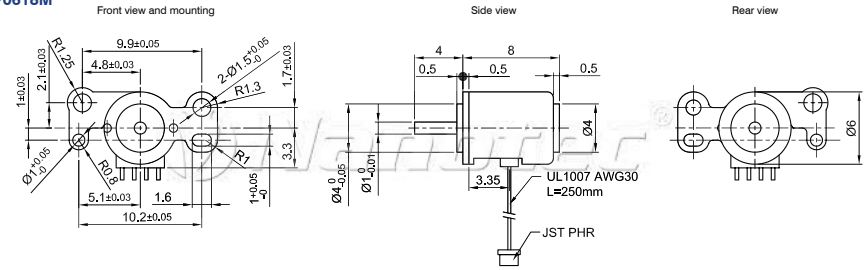


SP5575M0604

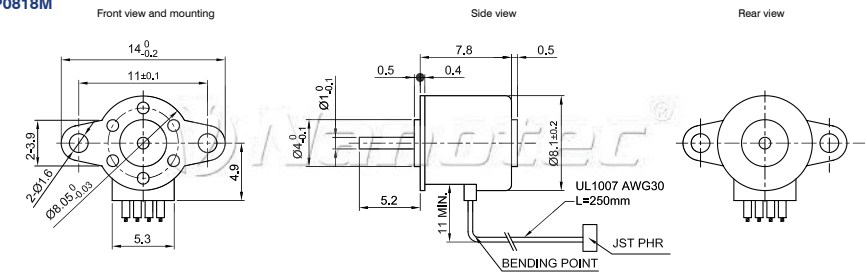


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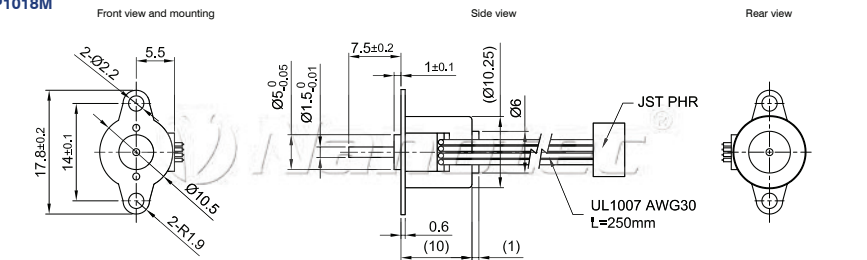
SP0618M



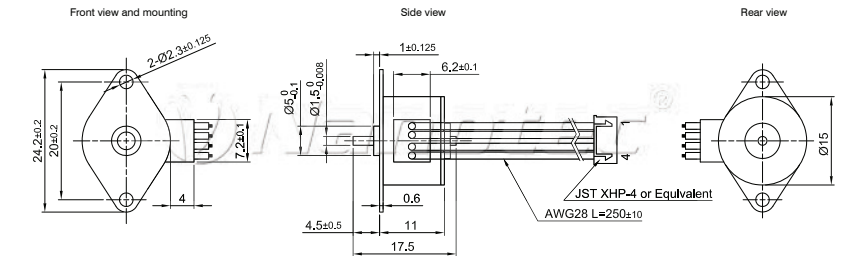
SP0818M



SP1018M



SP1518M



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