

15SG Series



Key Features

- High torque
- Low noise
- Small size
- Motor step angle 9° & 18°

General Specifications

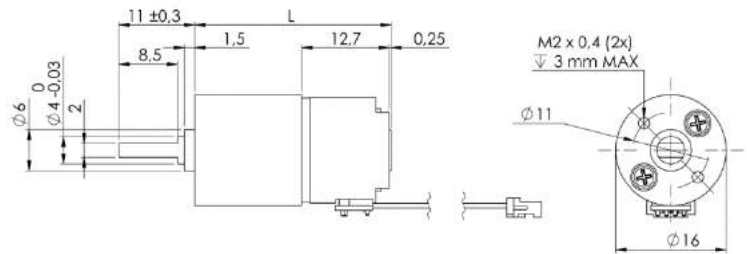
Series	Reduction (:1)	Step angle (°)	Voltage (V)	Current (A)	Resistance (ohm)	Inductance (mH)	Holding torque (mNm)
15SG20B10R034-00	34	0,529°	12	0,4	10	4,1	170
15SG20B10R053-00	53	0,340°	12	0,4	10	4,1	260
15SG20B10R097-00	97	0,186°	12	0,4	10	4,1	400
15SG20B10R150-00	150	0,120°	12	0,4	10	4,1	400
15SG20B10R420-00	420	0,043°	12	0,4	10	4,1	400
15SG20B20R034-00	34	0,529°	12	0,4	20	6,7	260
15SG20B20R053-00	53	0,340°	12	0,4	20	6,7	400
15SG20B20R097-00	97	0,186°	12	0,4	20	6,7	400
15SG20B20R150-00	150	0,120°	12	0,4	20	6,7	400
15SG20B20R420-00	420	0,043°	12	0,4	20	6,7	400
15SG40B10R034-00	34	0,265°	12	0,4	10	5	150
15SG40B10R053-00	53	0,170°	12	0,4	10	5	240
15SG40B10R097-00	97	0,093°	12	0,4	10	5	400

15SG40B10R150-00	150	0,060°	12	0,4	10	5	400
15SG40B10R420-00	420	0,021°	12	0,4	10	5	400
15SG40B20R034-00	34	0,265°	12	0,4	20	6,5	200
15SG40B20R053-00	53	0,170°	12	0,4	20	6,5	310
15SG40B20R097-00	97	0,093°	12	0,4	20	6,5	400
15SG40B20R150-00	150	0,060°	12	0,4	20	6,5	400
15SG40B20R420-00	420	0,021°	12	0,4	20	6,5	400

Optional Features

- Integrated driver
- Custom winding, wire harness
- Custom pinion, leadscrew
- Custom shaft

Mechanical Dimensions



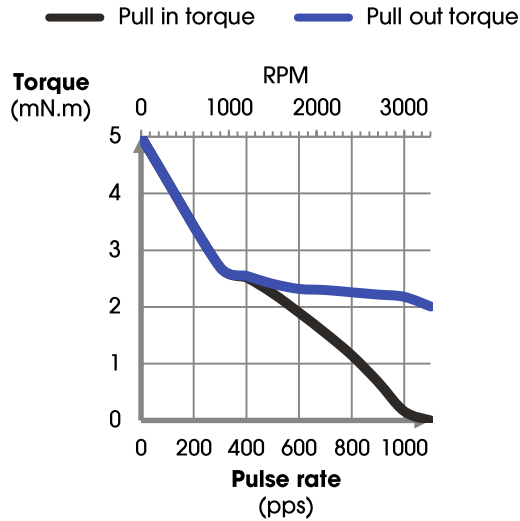
Length

- 28,5mm for 34:1 & 53:1
- 30,0mm for 97:1 & 150:1
- 31,6mm for 420:1

Dynamic Torque Curves

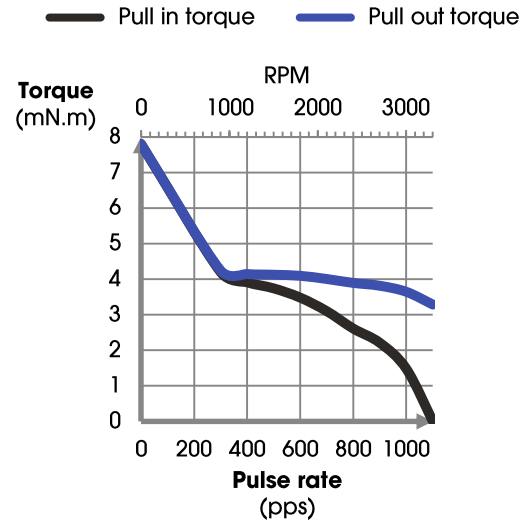
15SG20B10

Conditions: Bi-polar Constant Current Driver
 Driver: AMIS 30522
 Mode: Full Step



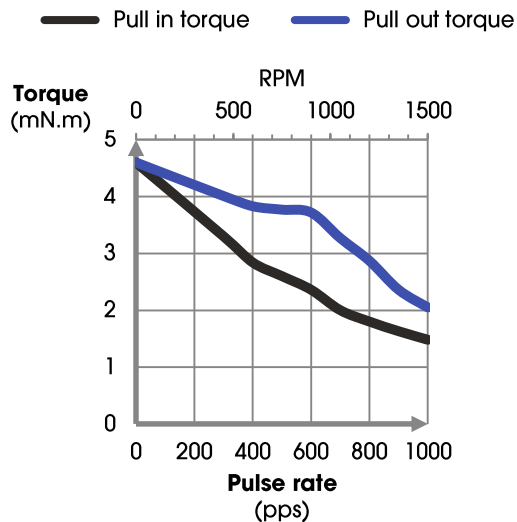
15SG20B20

Conditions: Bi-polar Constant Current Driver
 Driver: AMIS 30522
 Mode: Full Step



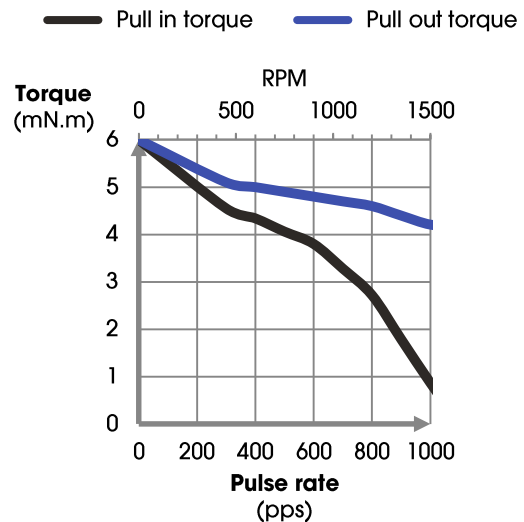
15SG40B10

Conditions: Bi-polar Constant Current Driver
 Driver: AMIS 30522
 Mode: Full Step



15SG40B20

Conditions: Bi-polar Constant Current Driver
 Driver: AMIS 30522
 Mode: Full Step



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