



KRC
CRANE SYSTEMS

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BMS SERIES EUROPEAN ELECTRIC WIRE ROPE HOIST

Dual Purpose: Industrial and Marine

CCS

CHINA CLASSIFICATION SOCIETY

中国船级社



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BMG SERIES EUROPEAN ELECTRIC WIRE ROPE HOIST

Dual Purpose: Industrial and Marine

R & D Manufacturing

PRODUCT ADVANTAGES:

- ▶ Accumulation and Innovation
- ▶ Compact structure, excellent performance
- ▶ Efficient Transmission and power source
- ▶ Excellent performance, safe and reliable



Standard Configuration Of BMG Series Wire Rope Electric Hoists

- ▶ Double speed lifting motor with 1ton-32ton standard variable
- ▶ Frequency lifting motor with 32ton to 100ton standard Lifting
- ▶ Electromagnetic disc brake and maintenance-free design
- ▶ 380V/3P/50HZ supply voltage
- ▶ Control voltage 48V
- ▶ Lifting limit switch
- ▶ Variable frequency motor of trolley with the speed of 5/20m/min
- ▶ Protection grade of electric motor is Grade IP55, and insulation grade is F
- ▶ Lifting hook group with safety clasp
- ▶ Load lifting limiter
- ▶ Environment temperature :-20C°-+40C°

Compact structure, light self-weight, small wheel-pressure and high comprehensive cost performance

Leading technology and component performance ensure the optimal extreme dimension of the products and the height of equipment and the compact structure under the premise of ensuring the high efficiency. Within the same plant and working area, **BMG** series European Electric Wire Rope Hoist can cover larger working range, which increases the utilization of the internal area of the plant and decreases the dead zone, if the plant is designed in accordance with the parameters of series of products of **OUR** during the design stage, Requirements for the lifting equipment can be greatly reduced for the height and bearing capacity of the plant, which reduces above 10% of plant investment for the customers and improves the efficiency of investment.

Save operating costs and green energy saving

European type cranes equipped with **BMG** series European Electric Wire Rope Hoists can significantly reduce self-weight of the girder and the complete machine, and decrease the total power of running, as well as can save over 30% of power per year on average compared with the plants that use the domestic traditional cranes. Meanwhile, the running noise is superior to the national standard of **BMG** series European Electric Wire Rope Hoist, which created a more quiet work space.

Selection of high quality of components with safety and reliability and durable in use

Components with high quality are the basis for excellent quality of products. **BMG** company takes each component seriously from lifting motors to reducers, from reels to steel wire ropes, from safe and reliable electrical components to the best structure components. Because **OUR** company believes the only each component of good performance and quality can ensure the performance and quality of the complete machine. Lifting trinity mechanism with compact structure and superior performance is developed and designed for **BMG** series European Electric Wire Rope Hoist. The reduction gear products low noise and becomes durable in use by high precision grinding and hardening treatment of the gear surface. Electrical connection sustained rate is up to 60% of the lifting motor, which not only meets frequent use during the process of production, but improves the reliability of the products. The imported brake disc provides the breaking lifetime of more than one million times with excellent wear-resisting property.

Precise positioning and efficient running can improve production efficiency

Our Standard lifting with double speed (optional frequency conversion) and frequency conversion control of trolley ensure the efficient running of the crane and promotion of logistics efficiency in workshop, and ensure the implementation of the whole work plans of customers on schedule. By the application of frequency conversion technology, it can effectively reduce shaking of load in the process of handling, which makes the load positioning more quickly and accurately. Simultaneously, it significantly reduces the impact of starting and braking, thus the whole handling process becomes much more smooth and safe.

Safe and reliable, running monitoring and simple and convenient maintenance

Our Patented technology product is provided with various functions such as monitoring, protection, which can ensure safe and reliable operation of the crane, and its running monitoring unit can make detailed records of running condition of electric hoist, running status of motor and safety working cycle, and provide warning in advance. All records can provide data for maintenance, and the root of the problem should be understood to be able to provide maintenance much more timely and efficiently.

Modular design and multiple options can meet various demands of customer

The concept of modular design has always been throughout the whole product design, which ensures the standard and interchangeability of parts, greatly reduces the maintenance costs of products. All products series of **OUR** company is provided with complete inventory of spare parts, and professional service team ensures to provide after-sales service to solve the troubles of customers after purchasing the equipment in a timely manner.

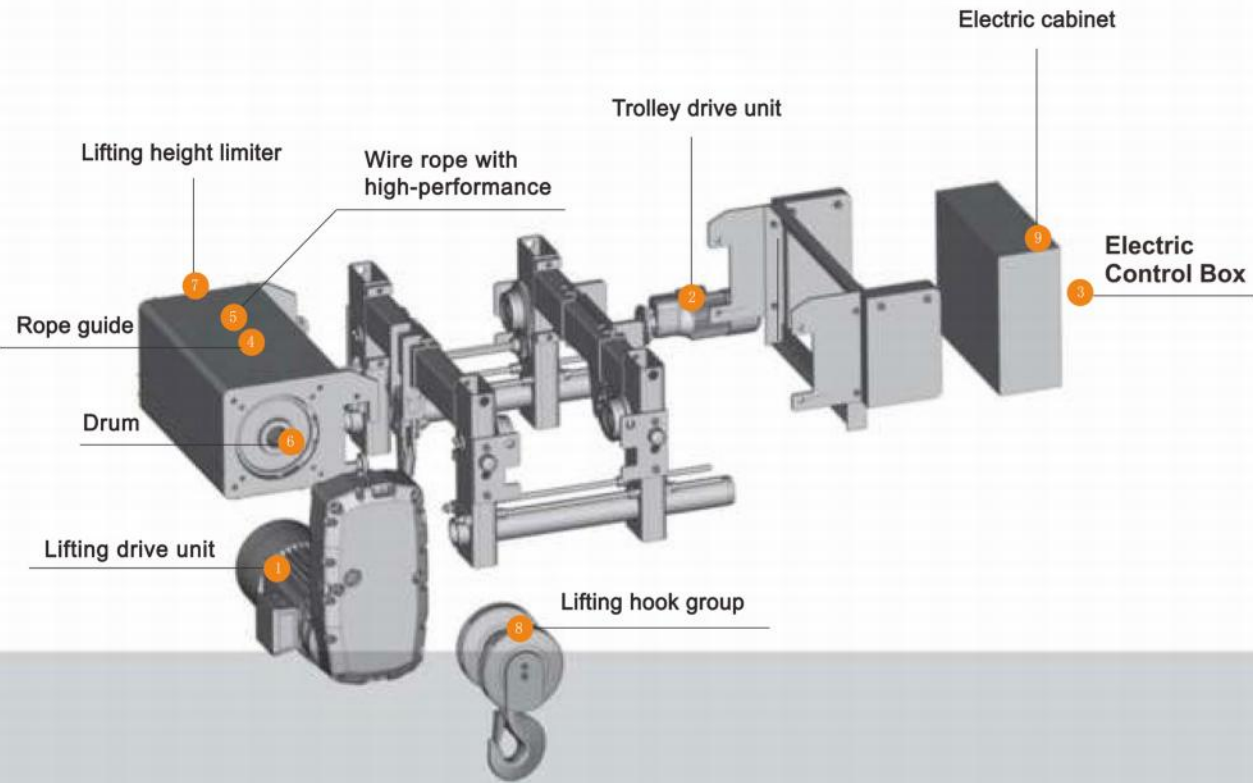
BMG SERIES EUROPEAN ELECTRIC WIRE ROPE HOIST

Dual Purpose: Industrial and Marine



lifting drive unit

- High-performance , large driving force and compact structure
- Various components are running efficiently to ensure high efficiency
- Low energy consumption, low noise and eco-friendly design
- Smooth running, low impact, safe and reliable
- No-wear design, long service life
- Electrical connection sustained rate is up to 60% to meet the demands of the high frequency lifting
- Service life to asbestos-free brake can be up to one million times
- High protection grade of brake can meet the requirements of severe environment



Product Features



Trolley drive unit
Trinity of high-performance motor, reduction gearbox and brake.
Compact structure, excellent performance.
Low energy consumption , low noise and eco-friendly design.
Variable frequency control, smooth running , low impact and meeting requirements of a variety of speed.
Asbestos-free brake disc and its normal service life can be up to one million times. No-wear design, maintenance-free, long service life.



LCD weighing indicator
LCD display lifting weight, showing overload situation, be clear at a glance.



Rope guide
Light weight, good wear resistance ,to reduce the wear of wire rope effectively.
Prevent wire rope from skipping and loosing to off-groove and safety first.



Wire rope with high-performance
The imported wire rope of high performance with tensile strength up to 2160MPa.
The surface with galvanized processing for corrosion prevention effectively .
With good flexibility to ensure wear resistance of the wire rope and prolong its service life

For Marine Usage
When the hoist is used on ship, we will adopt professional marine-grade motors and add rack and other structural parts to meet IACS requirement.
All designs, drawings, spare parts manufacturing, production and testing fully comply with CCS standards to ensure reliable operation of the hoist onboard.



Drum
Use the Q345 type seamless steel tube as raw material and process it by numbers of working procedure.
Advanced processing methods to ensure concentricity of the drum.
The depth of rope groove is in compliance with the FEM standard.
High-strength pressing plates and bolts are fastened on the end of the wire rope to ensure the safety of lifting .



Lifting height limiter
Freely adjustable screw lifting height limiter with high precision, wide adjustment range, safe and reliable .
Multiple-contact configurations can effectively achieve the function of transition with low and high speed and the stop during the rise and fall .



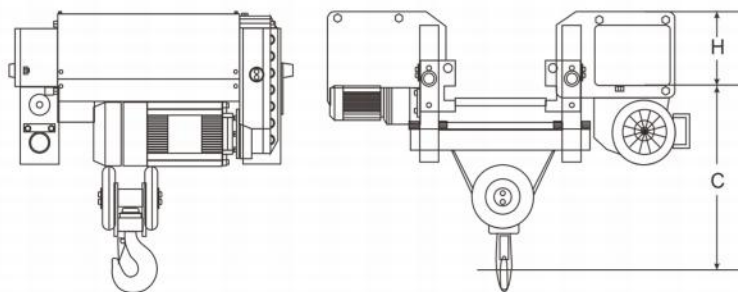
Lifting hook group
DIN standard of lifting hook with safety clasp and wire rope sheath ergonomic design.
Forged by the high-strength material of T grade.
Accompanied with nondestructive test certification of lifting hook randomly



Electric cabinet
Rational design, convenient maintenance, decreasing running cost.
Professional and high quality of electrical components, safe and reliable.
Multiple safety protection devices to ensure equipment safe. Protection grade IP55.
Clear identification to easy for trouble removal

EUROPEAN ELECTRIC WIRE ROPE HOIST (SINGLE GIRDER)

Dual Purpose: Industrial and Marine



BRIMA EUROPEAN ELECTRIC WIRE ROPE HOIST TECHNICAL PARAMETERS (SINGLE GIRDER)

Hoist capacity	Model	Lifting height	Lifting speed	Lifting motor	Traveling speed	Traveling motor	Lifting grade		Lifting grade		H	C	Beam Width
							FEM	ISO	FEM	ISO			
3200kg	BMG-3.2	6	5/0.8m/min	3.2/0.45	5/20m/min	0.64kw	2M	M5	2M	M5	188	696	150-300
	BMG-3.2	9	5/0.8m/min	3.2/0.45	5/20m/min	0.64kw	2M	M5	2M	M5	188	696	150-300
	BMG-3.2	12	5/0.8m/min	3.2/0.45	5/20m/min	0.64kw	2M	M5	2M	M5	188	696	150-300
	BMG-3.2	15	5/0.8m/min	3.2/0.45	5/20m/min	0.64kw	2M	M5	2M	M5	188	696	150-300
	BMG-3.2	18	5/0.8m/min	3.2/0.45	5/20m/min	0.64kw	2M	M5	2M	M5	188	696	150-300
5000kg	BMG-5.0	6	5/0.8m/min	6.1/1	5/20m/min	0.64kw	2M	M5	2M	M5	178	696	200-350
	BMG-5.0	9	5/0.8m/min	6.1/1	5/20m/min	0.64kw	2M	M5	2M	M5	178	696	200-350
	BMG-5.0	12	5/0.8m/min	6.1/1	5/20m/min	0.64kw	2M	M5	2M	M5	178	696	200-350
	BMG-5.0	15	5/0.8m/min	6.1/1	5/20m/min	0.64kw	2M	M5	2M	M5	178	696	200-350
	BMG-5.0	18	5/0.8m/min	6.1/1	5/20m/min	0.64kw	2M	M5	2M	M5	178	696	200-350
6300kg	BMG-6.3	6	5/0.8m/min	6.1/1	5/20m/min	0.64kw	1M	M4	2M	M5	178	696	200-350
	BMG-6.3	9	5/0.8m/min	6.1/1	5/20m/min	0.64kw	1M	M4	2M	M5	178	696	200-350
	BMG-6.3	12	5/0.8m/min	6.1/1	5/20m/min	0.64kw	1M	M4	2M	M5	178	696	200-350
	BMG-6.3	15	5/0.8m/min	6.1/1	5/20m/min	0.64kw	1M	M4	2M	M5	178	696	200-350
	BMG-6.3	18	5/0.8m/min	6.1/1	5/20m/min	0.64kw	1M	M4	2M	M5	178	696	200-350
8000kg	BMG-8.0	6	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-8.0	9	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-8.0	12	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-8.0	15	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-8.0	18	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
10000kg	BMG-10.0	6	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-10.0	9	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-10.0	12	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-10.0	15	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-10.0	18	5/0.8m/min	9.5/1.5	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
12500kg	BMG-12.5	6	4/0.6m/min	12.5/2	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-12.5	9	4/0.6m/min	12.5/2	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-12.5	12	4/0.6m/min	12.5/2	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-12.5	15	4/0.6m/min	12.5/2	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410
	BMG-12.5	18	4/0.6m/min	12.5/2	5/20m/min	0.96kw	2M	M5	2M	M5	325	750	200-410

EUROPEAN ELECTRIC WIRE ROPE HOIST (DOUBLE GIRDER)

Dual Purpose: Industrial and Marine



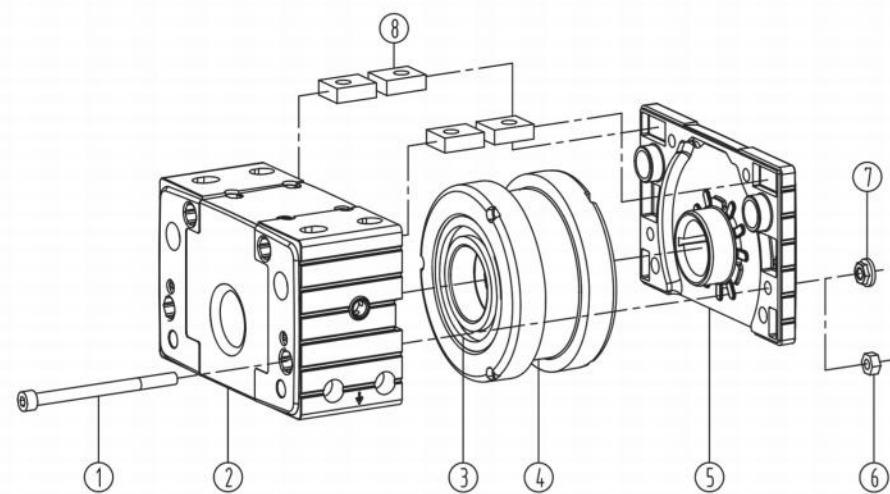
BRIMA EUROPEAN ELECTRIC WIRE ROPE HOIST TECHNICAL PARAMETERS (DOUBLE GIRDER)

Hoist capacity	Model	Lifting height	Lifting speed	Lifting motor	Traveling speed	Traveling motor	Lifting grade		Lifting grade		H	C	Min. Gauge
							FEM	ISO	FEM	ISO			
3200kg	BMG-3.2	6	5/0.8m/min	3.2/0.45	5/20m/min	0.64*2	2M	M5	2M	M5	556	420	1200
	BMG-3.2	9	5/0.8m/min	3.2/0.45	5/20m/min	0.64*2	2M	M5	2M	M5	556	420	1200
	BMG-3.2	12	5/0.8m/min	3.2/0.45	5/20m/min	0.64*2	2M	M5	2M	M5	556	420	1400
	BMG-3.2	15	5/0.8m/min	3.2/0.45	5/20m/min	0.64*2	2M	M5	2M	M5	556	420	1400
	BMG-3.2	18	5/0.8m/min	3.2/0.45	5/20m/min	0.64*2	2M	M5	2M	M5	556	420	1700
5000kg	BMG-5.0	6	5/0.8m/min	6.1/1	5/20m/min	0.64*2	2M	M5	2M	M5	556	450	1200
	BMG-5.0	9	5/0.8m/min	6.1/1	5/20m/min	0.64*2	2M	M5	2M	M5	556	450	1200
	BMG-5.0	12	5/0.8m/min	6.1/1	5/20m/min	0.64*2	2M	M5	2M	M5	556	450	1400
	BMG-5.0	15	5/0.8m/min	6.1/1	5/20m/min	0.64*2	2M	M5	2M	M5	556	450	1400
	BMG-5.0	18	5/0.8m/min	6.1/1	5/20m/min	0.64*2	2M	M5	2M	M5	556	450	1700
6300kg	BMG-6.3	6	5/0.8m/min	6.1/1	5/20m/min	0.64*2	1M	M4	2M	M5	556	450	1200
	BMG-6.3	9	5/0.8m/min	6.1/1	5/20m/min	0.64*2	1M	M4	2M	M5	556	450	1200
	BMG-6.3	12	5/0.8m/min	6.1/1	5/20m/min	0.64*2	1M	M4	2M	M5	556	450	1400
	BMG-6.3	15	5/0.8m/min	6.1/1	5/20m/min	0.64*2	1M	M4	2M	M5	556	450	1400
	BMG-6.3	18	5/0.8m/min	6.1/1	5/20m/min	0.64*2	1M	M4	2M	M5	556	450	1700

BRIMA EUROPEAN ELECTRIC WIRE ROPE HOIST TECHNICAL PARAMETERS (DOUBLE GIRDER)

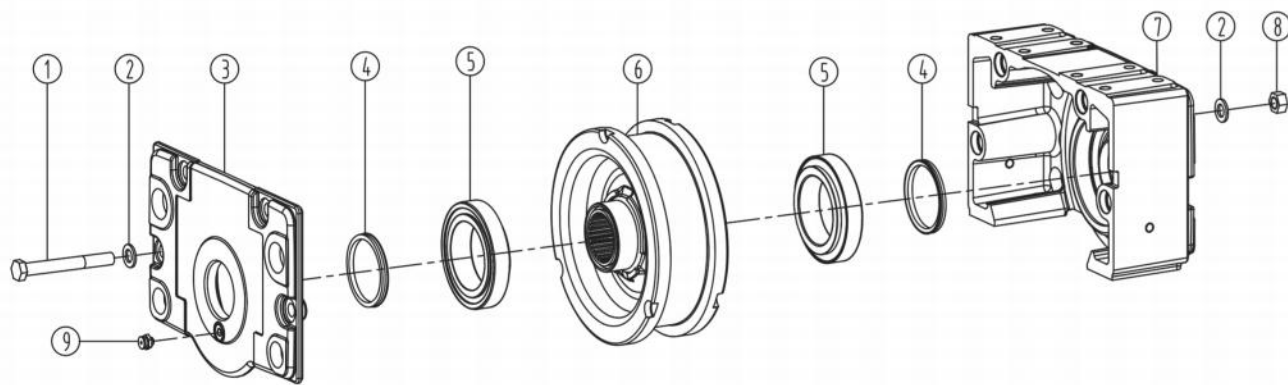
Hoist capacity	Model	Lifting height	Lifting speed	Lifting motor	Traveling speed	Traveling motor	Lifting grade		Lifting grade		H	C	Min. Gauge
							FEM	ISO	FEM	ISO			
8000kg	BMG-8.0	6	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1200
	BMG-8.0	9	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1400
	BMG-8.0	12	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1700
	BMG-8.0	15	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1700
	BMG-8.0	18	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	2000
10000kg	BMG-10.0	6	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1200
	BMG-10.0	9	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1400
	BMG-10.0	12	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1700
	BMG-10.0	15	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1700
	BMG-10.0	18	5/0.8m/min	9.5/1.5	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	2000
12500kg	BMG-12.5	6	5/0.8m/min	12.5/2	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1200
	BMG-12.5	9	5/0.8m/min	12.5/2	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1400
	BMG-12.5	12	5/0.8m/min	12.5/2	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1700
	BMG-12.5	15	5/0.8m/min	12.5/2	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	1700
	BMG-12.5	18	5/0.8m/min	12.5/2	5/20m/min	0.96*2	2M	M5	2M	M5	660	580	2000
16000kg	BMG-16.0	6	4/0.6m/min	16/2.6	5/20m/min	0.55*2	2M	M5	2M	M5	730	920	1400
	BMG-16.0	9	4/0.6m/min	16/2.6	5/20m/min	0.55*2	2M	M5	2M	M5	730	920	1400
	BMG-16.0	12	4/0.6m/min	16/2.6	5/20m/min	0.55*2	2M	M5	2M	M5	730	920	1700
	BMG-16.0	15	4/0.6m/min	16/2.6	5/20m/min	0.55*2	2M	M5	2M	M5	730	920	2000
	BMG-16.0	18	4/0.6m/min	16/2.6	5/20m/min	0.55*2	2M	M5	2M	M5	730	920	2400
20000kg	BMG-20.0	6	4/0.6m/min	16/2.6	5/20m/min	0.55*2	1AM	M4	2M	M5	730	920	1400
	BMG-20.0	9	4/0.6m/min	16/2.6	5/20m/min	0.55*2	1AM	M4	2M	M5	730	920	1400
	BMG-20.0	12	4/0.6m/min	16/2.6	5/20m/min	0.55*2	1AM	M4	2M	M5	730	920	1700
	BMG-20.0	15	4/0.6m/min	16/2.6	5/20m/min	0.55*2	1AM	M4	2M	M5	730	920	2000
	BMG-20.0	18	4/0.6m/min	16/2.6	5/20m/min	0.55*2	1AM	M4	2M	M5	730	920	2400
25000kg	BMG-25.0	6	3.3/0.8m/min	20.0/5.0	5/20m/min	0.75*2	3M	M6	2M	M5	950	780	1700
	BMG-25.0	9	3.3/0.8m/min	20.0/5.0	5/20m/min	0.75*2	3M	M6	2M	M5	950	780	2000
	BMG-25.0	12	3.3/0.8m/min	20.0/5.0	5/20m/min	0.75*2	3M	M6	2M	M5	950	780	2400
	BMG-25.0	15	3.3/0.8m/min	20.0/5.0	5/20m/min	0.75*2	3M	M6	2M	M5	950	780	2700
	BMG-25.0	18	3.3/0.8m/min	20.0/5.0	5/20m/min	0.75*2	3M	M6	2M	M5	950	780	3100
32000kg	BMG-32.0	6	3.3/0.8m/min	20.0/5.0	5/20m/min	1.1*2	2M	M5	2M	M5	950	780	1700
	BMG-32.0	9	3.3/0.8m/min	20.0/5.0	5/20m/min	1.1*2	2M	M5	2M	M5	950	780	2000
	BMG-32.0	12	3.3/0.8m/min	20.0/5.0	5/20m/min	1.1*2	2M	M5	2M	M5	950	780	2400
	BMG-32.0	15	3.3/0.8m/min	20.0/5.0	5/20m/min	1.1*2	2M	M5	2M	M5	950	780	2700
	BMG-32.0	18	3.3/0.8m/min	20.0/5.0	5/20m/min	1.1*2	2M	M5	2M	M5	950	780	3100
40000kg	BMG-40.0	6	0.8~4.9m/min	38	5/20m/min	1.5*2	1AM	M4	2M	M5	950	900	2000
	BMG-40.0	9	0.8~4.9m/min	38	5/20m/min	1.5*2	1AM	M4	2M	M5	950	900	2000
	BMG-40.0	12	0.8~4.9m/min	38	5/20m/min	1.5*2	1AM	M4	2M	M5	950	900	2400
	BMG-40.0	15	0.8~4.9m/min	38	5/20m/min	1.5*2	1AM	M4	2M	M5	950	900	2700
	BMG-40.0	18	0.8~4.9m/min	38	5/20m/min	1.5*2	1AM	M4	2M	M5	950	900	3100
50000kg	BMG-50.0	6	0.53~3.2m/min	38	5/20m/min	1.5*2	2M	M5	2M	M5	950	980	2000
	BMG-50.0	9	0.53~3.2m/min	38	5/20m/min	1.5*2	2M	M5	2M	M5	950	980	2400
	BMG-50.0	12	0.53~3.2m/min	38	5/20m/min	1.5*2	2M	M5	2M	M5	950	980	3100
	BMG-50.0	15	0.53~3.2m/min	38	5/20m/min	1.5*2	2M	M5	2M	M5	950	980	3400
	BMG-50.0	18	0.53~3.2m/min	38	5/20m/min	1.5*2	2M	M5	2M	M5	950	980	4200

BRS112-BRS200

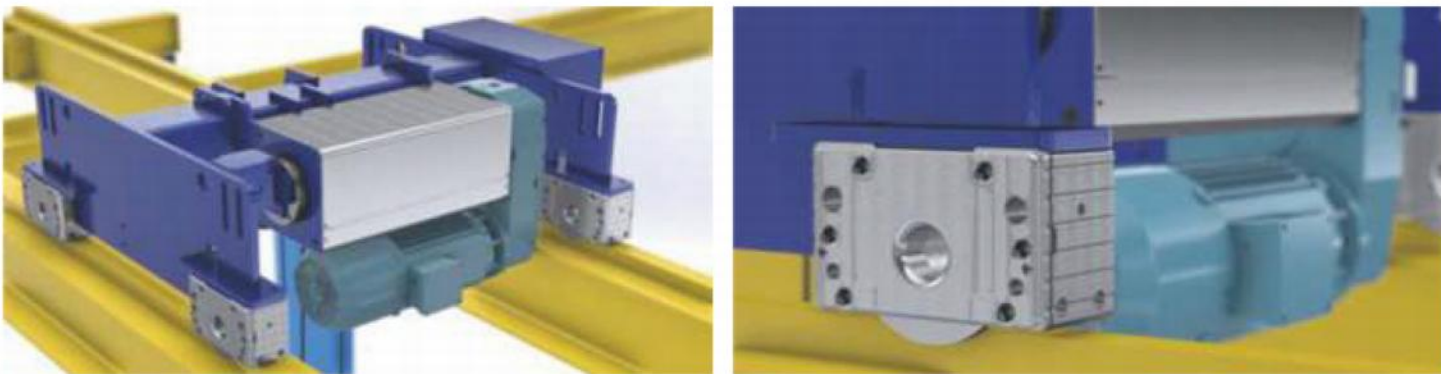


Type	① Screw	② Box	③ Bearing	④ Wheel	⑤ Box cover	⑥ Nut	⑦ Lock nut	⑧ Sliding nut
BRS112	22.13.111	12.12.101	21.11.106	/	12.12.102	22.15.105	22.21.105	12.12.141
BRS125	22.13.111	12.13.101	21.11.102	/	12.13.102	22.15.105	22.21.105	12.13.141
BRS160	22.13.112	12.14.101	21.11.103	/	12.14.102	22.15.106	22.21.104	12.14.141
BRS200	22.13.113	12.15.101	21.11.104	/	12.15.102	22.15.106	22.21.104	12.15.141

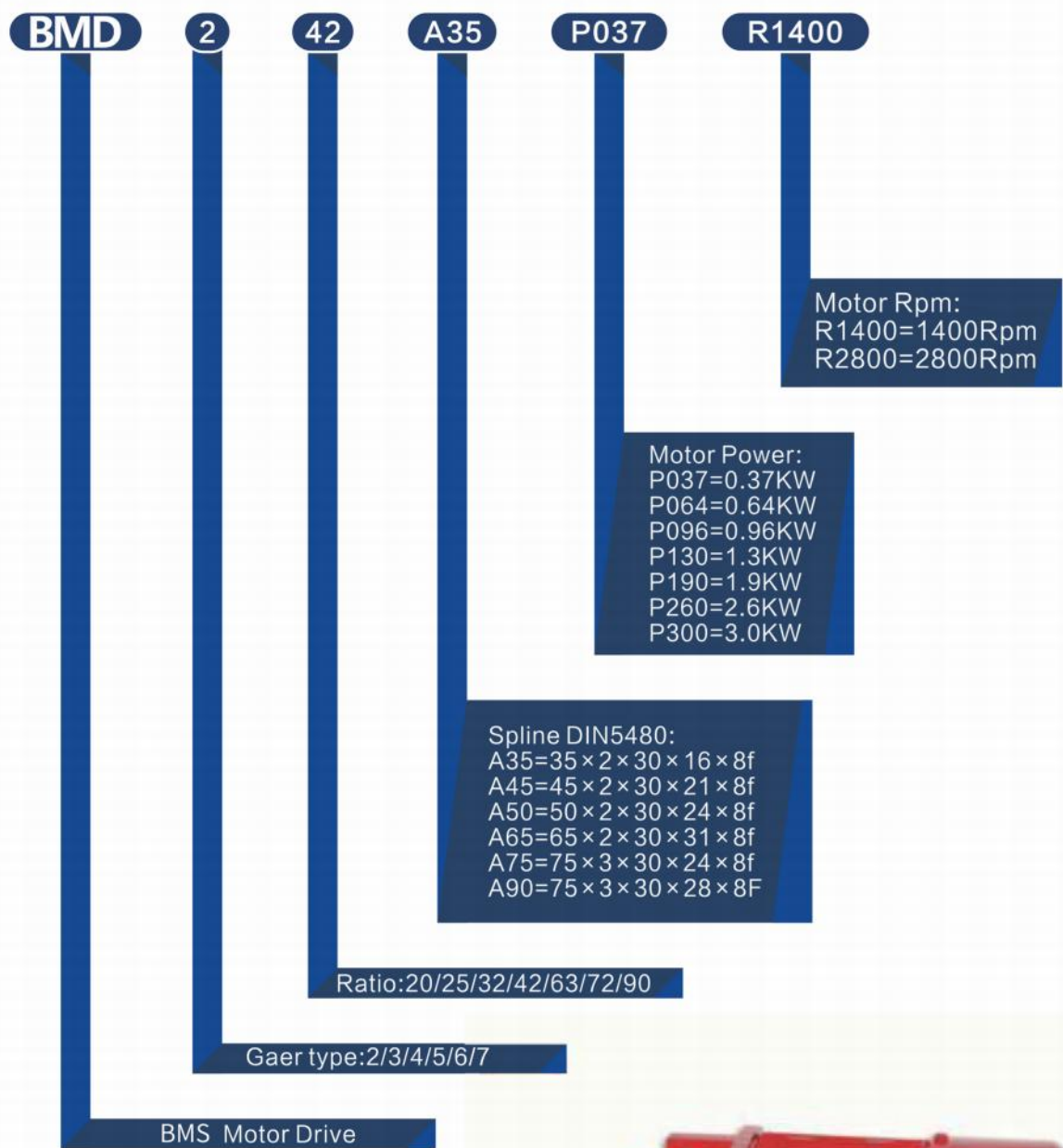
BRS250-BRS500



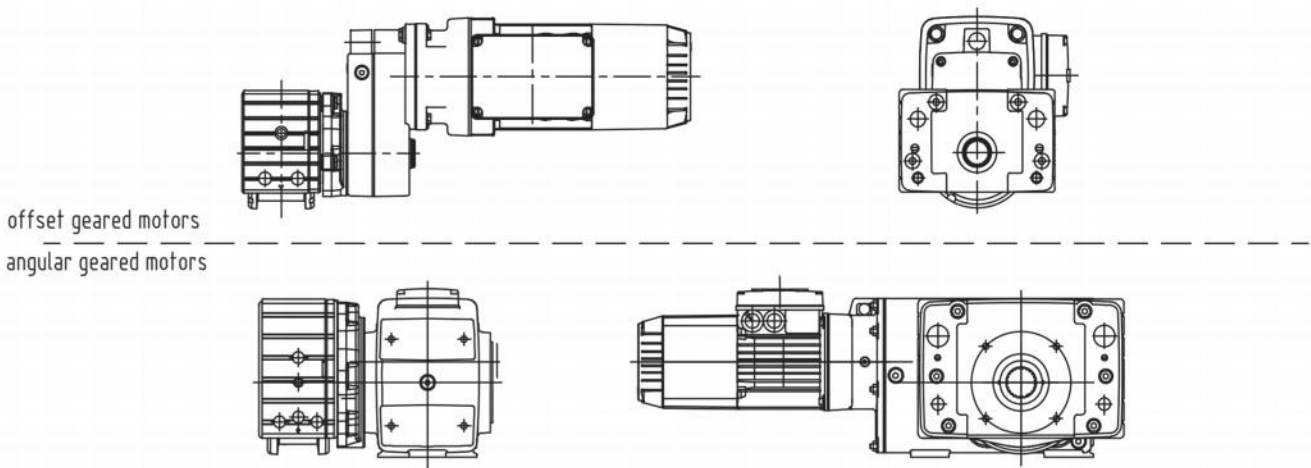
Type	① Screw	② Washer	③ Box cover	④ Sealing ring	⑤ Bearing	⑥ Wheel	⑦ Box	⑧ Nut	⑨ Grease nip
BRS250	22.14.101	22.20.106	12.16.103	23.11.101	21.11.201	/	12.16.101	22.15.101	21.11.106
BRS315	22.14.102	22.20.106	12.17.103	23.11.102	21.11.202	/	12.17.101	22.15.101	21.11.102
BRS400	22.14.103	22.20.107	12.18.103	23.11.103	21.11.203	/	12.18.101	22.15.102	21.11.103
BRS500	22.14.104	22.20.108	12.19.103	23.11.104	21.11.204	/	12.19.101	22.15.103	21.11.104



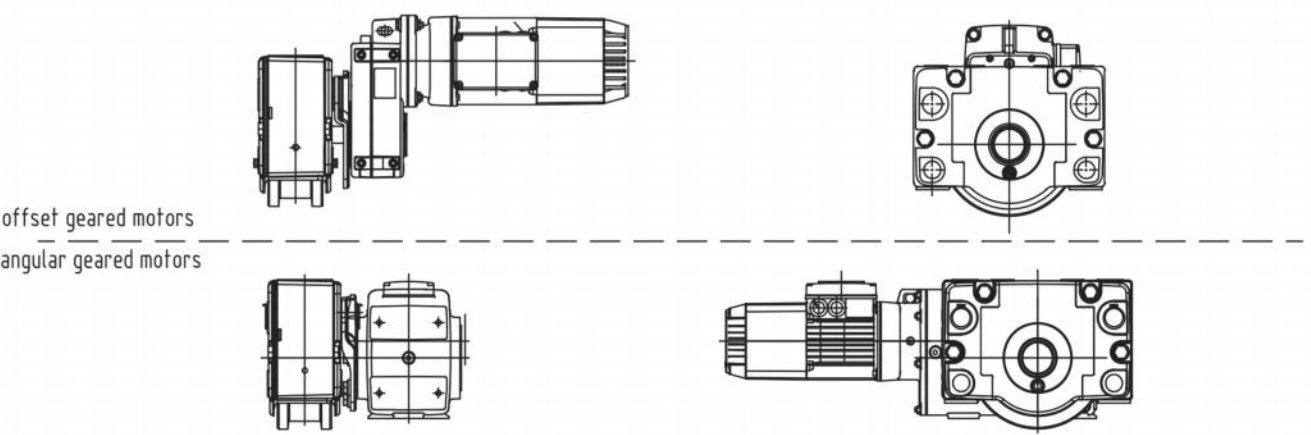
BMS MOTOR



BMS MOTOR



Type	Speed(25m/min)			Speed(32m/min)			Speed(40m/min)		
	Ratio	Gear	Motor	Ratio	Gear	Motor	Ratio	Gear	Motor
BRS112	32	BMD2	0.37KW	25	BMD2	0.37KW	20	BMD2	0.64KW
BRS125	32	BMD2	0.37KW	25	BMD2	0.37KW	25	BMD2	0.64KW
BRS160	42	BMD2	0.37KW	32	BMD2	0.64KW	32	BMD3	0.96KW
BRS200	63	BMD3	0.64KW	42	BMD3	0.96KW	42	BMD3	1.3KW



Type	Speed(25m/min)			Speed(32m/min)			Speed(40m/min)		
	Ratio	Gear	Motor	Ratio	Gear	Motor	Ratio	Gear	Motor
BRS112	72	BMD4	0.96KW	63	BMD4	1.3KW	42	BMD4	1.9KW
BRS125	105	BMD5	1.3KW	72	BMD5	1.9KW	63	BMD6	2.6KW
BRS160	120	BMD6	1.9KW	90	BMD6	2.6KW	72	BMD7	3.8KW
BRS200	150	BMD7	2.6KW	120	BMD7	3.8KW	105	BMD7	3.8KW