robbe Modellsport

ENGLISH

RO-POWER TORQUE

BRUSHLESS MOTORS

PREFACE

The Robbe Ro-Power Torque motors are precisely manufactured brushless motors for RC applications. Only selected, high-quality materials and semi-finished products are used. Manufacturing is carried out to precise specifications and standards to provide you with a durable, powerful drive for your model.
We recommend that you use Robbe Ro-Control regulators (esc´s) to achieve the highest possible level of efficiency. However, it is also possible to use the motors with controllers from other manufacturers.
When adjusting the correct propeller you should monitor the current as well as the temperature. Always ensure sufficient cooling.
The propeller and motor mounting must be checked conscientiously and regularly for tightness.
The drive recommendations are only guide values and may vary in practice depending on the model and model type.

We wish you many trouble-free operating hours with our Ro-Power Torque motors!

SAFETY INFORMATION

- These motors are brushless motors
- Be sure to read the safety instructions carefully before operating your model.
- Always follow the procedures and settings recommended in the instructions.
- If you are using remote-controlled model aircraft, helicopters, cars or ships for the first time, we recommend that you ask an experienced model pilot for help.
- Remote-controlled models and their accessories are not toys in the usual sense and may only be used and operated by young people under 14 years of age under the supervision of adults.
- Their construction and operation require technical understanding, careful craftsmanship and safety-conscious behaviour.
- Mistakes or negligence during construction, flying or driving can result in considerable damage to property or personal injury.
- Since the manufacturer and seller have no influence on the proper construction/assembly and operation of the models and their accessories, these risks are expressly pointed out and any liability is excluded.
- Propellers on aircraft and all moving parts in general pose a constant risk of injury. Avoid touching such parts at all costs.
- Note that motors and controllers can reach high temperatures during operation. Avoid touching such parts at all costs.
- Never stay in the danger area of rotating parts with electric motors with connected drive battery.
- Only the components and accessories recommended by us may be used.
- Check the engine mounting bolts in the fuselage regularly for tightness.
- Never exceed the maximum permissible speed of the propellers used or of the motor!
- This can lead to serious injuries, e.g. from flying parts!
- The motors may only be used for model making usual applications.
- Never use damaged motors, propellers, spinners etc.!
- Only suitable speed controllers may be used in connection with model accumulators.
- (no power supplies, or other voltage sources such as 230V AC alternate current)
- Make sure that the fixing screws used do not protrude into the motor housing. Otherwise the motor can be permanently damaged!
- Most motors are designed for front or rear mounting. Make sure that all screws are tight and check all screw connections regularly.
- Make sure that the motor does not overheat due to sufficient cooling. Temperatures above 60°C can damage the motor.
- Never operate the motor without a load, as this may damage the motor due to excessive speed.

WARRANTY

Our articles are equipped with the legally required 24 months warranty. Should you wish to assert a justified warranty claim, always contact your dealer, who is responsible for the warranty and the processing. During this time, any functional defects that may occur, as well as manufacturing or other problems, will be rectified.
Material defects corrected by us free of charge. Further claims, e.g. for consequential damages, are excluded.
The transport to us must be free, the return transport to you is also free. Freight collect shipments cannot be accepted. We cannot accept liability for transport damage and loss of your consignment. We recommend appropriate insurance.

- To process your warranty claims, the following requirements must be met::
- Attach the proof of purchase (receipt) to your shipment.
- The units have been operated in accordance with the operating instructions.
- Only recommended power sources and original robbe accessories have been used.
- There is no moisture damage, external interference, reverse polarity, overloading or mechanical damage.
- Attach relevant information for finding the fault or defect.

CONFORMITY

CE Modellbau Lindinger GmbH hereby declares that this device complies with the essential requirements and other relevant regulations of the corresponding CE directives. The original declaration of conformity can be found on the Internet at www.robbe.com, in the detailed product view of the respective device description or on request. This product can be operated in all EU countries.

DISPOSAL

This symbol means that small electrical and electronic devices must be disposed of at the end of their useful life, separated from the household refuse. Dispose of the device at your local municipal collection point or recycling centre. This applies to all countries of the European Union and other European countries with a separate collection system.

COPYRIGHT

DISCLAIMER

Modellbau Lindinger GmbH cannot monitor compliance with the assembly and operating instructions or the conditions and methods for installation, operation, use and maintenance of the model components.Therefore, we accept no liability for losses, damage or costs arising from or in any way connected with incorrect use and operation.To the extent permitted by law, the obligation to pay damages, irrespective of the legal grounds, shall be limited directly to the invoice value of the claims arising from the event causing the damage.

DISTRIBUTOR

Modellbau Lindinger GmbH
Industriestraße 10
4565 Inzersdorf im Kremstal / Österreich
Tel.: +43(0)7582/81313-0
Mail: info@robbe.com
UID Nr.: ATU69266037

Service-Adresse
Über Ihren Fachhändler oder:
Modellbau Lindinger GmbH, Industriestraße 10,
4565 Inzersdorf im Kremstal
service@lindinger.at, +43(0)7582-81313-0

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NO.	Motor	Maße/size (Ø x L) mm	Gewicht / Weight g	Welle / Shaft mm	Umin/V RPM/V	Max.Strom/ max. current	Leistung / Power	LiPo	Prop	Anwendung/ Application
5815	Ro-Power Torque 2710	27 x 10,4	15	3	1530	8A	50W	2s	7 x 3,5	Indoor, Shockflyer
								2s	8 x 4,3	
5816	Ro-Power Torque 2712	27 x 11,4	17,5	3	1720	10A	70W	2s	7 x 3,5	Indoor, Shockflyer
								2s	8 x 4,3	
5817	Ro-Power Torque 2714	27 x 14,2	22,5	3	1730	12A	90W	2s	8 x 4,3	Indoor, Shockflyer, kl. Parkflyer
								3s	7 x 3,5	
5818	Ro-Power Torque 2828	27,7 x 28	60	3,17	1350	18A	220W	2s	10 x 6	Parkflyer, kl.Segler bis 1,3m
								3s	9 x 4	
5819	Ro-Power Torque 2837	27,7 x 37	88	4	1100	27A	270W	2s	10 x 6	Parkflyer, kl.Segler bis 1,5m
								3s	9 x 5, 10 x 5	
20637	Ro-Power Torque 3522	35 x 48	160	5	1100	43A	750W	3s	11 x 8	Segler bis 2,5m, Hotliner bis 2m, Motor bis 1,5m
								4s	10 x 8	
5806	Ro-Power Torque 3526	35 x 54	185	5	870	40A	720W	3s	13 x 8	Segler bis 3m, Akro/3D 30e, Motor bis 1,5m
								4s	12 x 8	
5820	Ro-Power Torque 3528	35 x 28	80,5	4	1130	27A	350W	2s	12 x 5	Kleine Segler bis 2,2m, Motor bis 1m
								3s	10 x 6	
5821	Ro-Power Torque 3534	35 x 34	109	4	1200	37A	440W	2s	11 x 6	Segler bis 2,3m, Akro bis 1,1m, Motor bis 1,5m
								3s	9 x 6	
5803	Ro-Power Torque 3546 (910 KV)	35 x 46	171	5	910	45A	850W	3s	13 x 6,5	Segler bis 2,5m, Akro/3D 30e, Motor bis 1,5m
								4s	11 x 7	
5808	Ro-Power Torque 3546 (760 KV)	35 x 46	171	5	760	43A	800W	3s	13 x 6,5	Segler bis 3m Akro/3D 30e, Motor bis 1,5m
								4s	11 x 7	
5809	Ro-Power Torque 3546 (650 KV)	35 x 46	171	5	650	42A	750W	3s	13 x 6,5	Segler bis 3,8m Akro/3D 30e, Motor bis 1,5m
								4s	11 x 7	

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5807	Ro-Power Torque 4226	42 x 54	265	5	570	52A		4s	15 x 8	Segler bis 4,5m, Akro/3D 50e, Motor bis 2,2m
								5s	14 x 8	
5802	Ro-Power Torque 4356	43 x 56	283	5	600	55A	1000W	4s	16 x 8	Segler bis 4m, Akro/3D 50e, Motor bis 2,2m
								5s	14 x 8	
								6s	13 x 7	
20839	Ro-Power Torque 5030 ?	50 x 75	405	6	310			6s	20 x 8	Segler bis 6m, Akro/3D bis 1,8m, Schlepper
								8s	18 x 8	
5801	Ro-Power Torque 5052	50 x 52	285	6	410	57A	1300W	5s	16 x 10	Segler bis 5m, Acro/3D 50e bis 1,6m
								6s	15 x 8	
5810	Ro-Power Torque 5062	50 x 62	392	6	305	58A	1600W	6s	20 x 8	Segler bis 6m, Acro/3D bis 1,8m
								8s	16 x 10	
5811	Ro-Power Torque 6354	63 x 54	485	8	370	72A	1800W	6s	17 x 10	Akro/3D bis 1,8m, Segler bis 6m
									20 x 8	
5812	Ro-Power Torque 6359	63 x 59	580	8	350		2400W	6s	19 x 10	Akro/3D bis 2m, Segler bis 6m
								8s	18 x 8	
5813	Ro-Power Torque 6369	63 x 69	670	8	275	75A	2500W	8s	20 x 8	Akro/3D bis 2,1m, Schlepper bis 2,2m, Segler bis 6m
								10s	18 x 10	
5814	Ro-Power Torque 6374	63 x 74	820	8	200	85A	3000W	10s	24 x 10	Akro/3D bis 2,3m, Schlepper
								12s	22 x 10	
5800	Ro-Power Torque X-36 800	36,5x 56	200	5	800	48A	720W	3s	13 x 10	Segler bis 3,5m , Hotliner bis 1,8m
								4s	12 x 10	
5805	Ro-Power Torque X-36 1000	36,5x 56	200	5	1000	45A	700W	3s	12 x 10	Segler bis 3m , Hotliner bis 1,8m
								4s	9 x 8	

Hinweis: obige Antriebsempfehlungen sind nur Richtwerte und können u.U. je nach Modellart und Modelltyp in der Praxis abweichen.