Torque Limiter 127mm OD, Torque Range 4.8-21.4kgf~m TL127-1

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The Motor Tools & More Torque Limiter has been designed to protect drive systems from unnecessary overload. When too much torque is transmitted through a drive, the Torque Limiter automatically slips on its shaft when a predetermined torque level is reached.

This device is suitable in situations where there is excessive and unpredictable shock loads, overloads or machine jams. When the problem in the system is overcome or removed, the Torque Limiter automatically reengages, unlike other devices, such as those with shear pin mechanisms, which have to be manually reset.

Torque Limiters not only prevent damage to drive systems but also eliminates unnecessary downtime due to system resets. The Torque Limiter utilises spring loaded friction surfaces, the slip torque is preset by the adjustment of the spring force, this is as simple as tightening or loosening the appropriate nut or bolt.

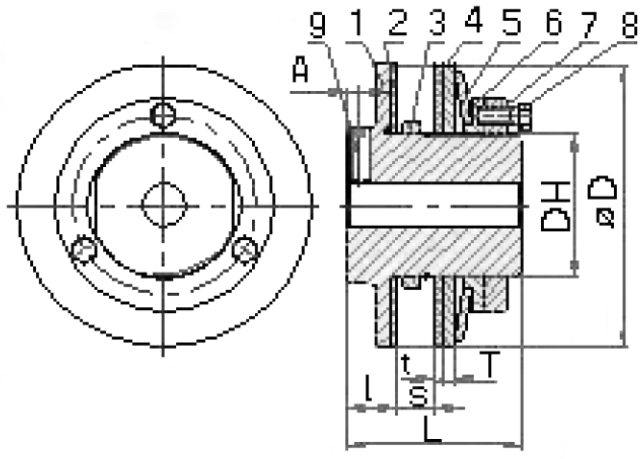
Selection

Determine the required slip torque from the loading conditions or from the design strength of the machine. If the loading conditions of the machine are unknown, set the required slip torque of the torque limiter to 1.5~2 times the torque that the motor produces on the shaft where the torque limiter is mounted. Select a Torque Limiter that has enough torque range and bore range. Determine the proper bushing length from the thickness of the centre member to be inserted between the friction facings. Always choose the largest bushing which does not exceed the width of the centre member, shown as S Max in the dimension table.

Dimensions:

Size	Torque Range (kgf-m)	Plain Bore	Max Bore	Bush Length	OD of bush		Bore for Centre Member		D	DH
RTL127-1	4.8 ~ 21.4	20	42	6 8 9.5 14.5	74	-0.030 -0.060	74	+0.046 0	127	65
RTL127-2	9.0 ~ 42.9									

Size	L	L	T	t	S (Max)	A	C	Adjust. Nut	Adjust. Bolt	Set Screw	kg
RTL127-1	76	22	6	3.2	16	6	-	M65 P1.5	M8 P.10 3pcs	M8	3.692
RTL127-2											3.858



Legend

1. Hub
2. Friction Facing
3. Bushing
4. Pressure Plate
5. Disc Spring
6. Pilot Plate
7. Adjustment Nut
8. Adjustment Bolt
9. Set Screw
10. Lock Washer

Figure 15: Torque limiter sizes 127 and 178 dimensions

Includes:

- 1 x Torque Limiter 127mm-2

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The item description/price/stock levels is accurate to our knowledge. All errors or omissions are unintentional. If problems are encountered, please contact us.

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Full payment is required within 5 days of sale. Payment can be made by Cash on pick-up (from our Warehouse), Paypal, credit card (over the phone) or bank deposit. Items will not be shipped out unless payment has been made in full.

Shipping/Delivery/Pick up

Please refer to our shipping tab at the top of our listing for all freight costs and delivery times. Your order will be sent through one of our delivery partners which include Toll, TNT, Couriers Please, E-Go, Go Logistics and Australia Post. The service used to deliver your order will be automatically selected by our freighting system. We assume no liability for postal delays or lost/damaged parcels, but we will assist the buyer to locate or to obtain a replacement.

We require a valid street address for all deliveries. We do NOT deliver to PO Boxes, Parcel Lockers or Post Office addresses. We also require a daytime phone number for all orders. Our operation hours for dispatch are Monday to Friday 9am to 2:30pm. In the unlikely case that you do not receive your order, please contact us to resolve this.

Local Pickup from our Sydney, Prestons Warehouse available.

Warranty

Warranty periods are as follows:

- All remotes and receivers have 3 months warranty
- Garage door and gate motors have 12 months warranty
- All other products have 6 months warranty

If you have a problem with the product, please contact us through eBay and include the original purchase information (i.e. your name, address, email and purchase receipt number)

Warranty does not include damage caused by normal wear and tear, accidents, misuse, lack of maintenance, neglect, natural disaster, or other external causes; to damage caused by operating the equipment in a manner outside that described in the instructions. The warranty is considered void if the item has been modified, altered or tampered with by a person(s) not authorised by us to provide service (with the exception of standard periodic maintenance). Consumables and accessories such as chains, carry bags, batteries, hoses, grinding discs, belts, cables, wheels, blades, tubs, pads, nets etc. are also not covered once used or for damage caused by general wear and tear.

Until the nature of any fault is determined, the resolution we can offer may vary. To assist with a quick resolution, photos of the damaged part/unit will be required for verification. We will repair or replace, at our discretion, any unit determined to be within the warranty period. Where necessary, the item may need to be returned to repair the fault/issue.

The buyer will be liable for all shipping costs associated with any warranty claim.

All returns for warranty must first be authorised in writing by our Customer Service Team and given a Return Authorisation Number (RAN). We will not accept the return of any item/s without a Return Authorisation Number (RAN).

When a return is authorised, it is the buyer’s responsibility to ensure the product is packaged securely to prevent any damage during the return process. Failure to do so may affect the resolution to be offered, which may include repairs, replacement items or store credit at our discretion.

For all warranty claims, the outcome of the inspection should take no longer than 10 business days from the date the item is received by our service department (times may vary).

Warranty claims will not be accepted in cases where the buyer has contributed to the failure, or been misleading in their description of their issues. In these instances, where freight costs were incurred by us to return your item for inspection, reimbursement to us may be required prior to releasing the goods. The item is also to be returned to the buyer at the buyer's expense. Freight cost not to exceed original freight cost. Payment is to be made to us within 7 days of being notified of warranty rejection. Storage fees to apply beyond 7 days at 5% per week of the original product cost until the credit expires. Where money is owed to us for repairs and/or postage, we will be entitled to hold onto the item until payment is made.

Returns/Exchanges

Returns or exchanges must be made within 7 days of the delivery date. After 7 days, any claims of delivery errors or requests for returns or exchanges will not be accepted.

Products may be returned/exchanged provided that the item(s) are returned in an unused, clean, sellable condition with original packaging, subject to our discretion.

If the item has sustained damage in transit, or is not returned as noted above, a revised refund amount may be required.

All returns will be refunded less the delivery cost. All exchanges will incur a return delivery fee.

We reserve the right as final authority on whether the products should be refunded or replaced and make no other warranty and no implied warranties, including any warranty of merchantability or fitness for a particular purpose. Our maximum liability hereunder is limited to the purchase price of the products. In no event shall we be liable for any consequential, indirect, incidental or special damages of any nature arising from the sale of the product.

If you accept these terms and with to return an item, please send us a message stating your name, order number, the item(s) you wish to return, and the reason for the return. Our Customer Service team will respond to your email and, if applicable, written authorisation for the return will be given. All other relevant information will also be given to you at this time. We will not accept the return of any item(s) without our prior authorisation.

Contact Us

If you any questions or enquiries, please do not hesitate to send us a message through eBay.

Feedback

At MTM we strive to maintain an excellent customer service so if you have any issues or inquiries about your purchase, please feel free to contact us before leaving feedback and we would be happy to help. Please do not leave negative feedback before contacting us.

Any negative feedback left without any contact will be regarded as an indication of the conclusion of the transaction.

By placing a bid or buying, you have agreed to all the conditions mentioned above.