

SFUSA®
120 in-lbs
Inline Preset Torque Limiter



120 in-lbs Inline Preset Torque Limiter

ACCURATE
REPEATABILITY

PROTECTS
PRODUCT AGAINST DAMAGE

PRECISE
TORQUE CONTROL

Solar Foundations' custom Inline Preset Torque Limiter improves productivity and efficiency while maintaining precise torque control when mounting solar panels to our structures. Our preset click-type torque limiter ensures that the solar panel mounting fasteners and SFUSA rail holdowns are tightened to the correct specifications.

The torque limiter provides a distinct 'click' when the preset torque value is reached. The use of Solar Foundations' preset torque limiter allows for rapid fastener installation while at the same time ensuring a quality installation which is in full compliance with the installation instructions.



Solar Foundations USA®, Inc.
1142 River Road, New Castle, DE 19720
Phone (855) 738-7200
Fax (866) 644-5665
www.solarfoundationsusa.com

© Solar Foundations USA®, All Rights Reserved

Torque_Lim_Rev1_20210830

INNOVATIVE. ADAPTABLE. GROUNDED.

120 in-lbs Inline Preset Torque Limiter

- ✓ Slip-resistant drive adaptor
- ✓ Compatible with any standard 1/2-inch chuck cordless drill
- ✓ Utilizes 3/8-inch drive sockets with retaining pin thru hole
- ✓ An audible 'click' indicates that the preset 120 in-lbs of torque has been reached
- ✓ Compact design helps maintain drill balance
- ✓ Made in the USA
- ✓ Custom torque settings are available in the range of 30 to 180 in-lbs

\$145.00 each

Prices and product availability are subject to change without notice.



Cordless Drill vs. Impact Driver

Cordless Drill

Solar Foundations' 120 in-lbs Inline Preset Torque Limiter **CAN** be used with a standard cordless drill-driver. This tool generally has a low and high speed. Our torque limiter can be used in a low-speed range in a **drill mode only**. Do not use in an impact/driver mode. **Our custom limiter has a slip-resistant drive adaptor designed to work with standard 1/2-inch drill chucks.**

Impact Driver

Our 120 in-lbs Inline Preset Torque Limiter **CANNOT** be used with an impact or impulse driver. An impact/impulse driver delivers repetitive high dynamic torque impacts in place of the continuous stable torque of a standard drill-driver. **The repetitive high momentary torque will damage the torque limiter and result in a loss of calibration.**

Instruction Points:

1. Installation

- Use with a 1/2-inch chuck corded or cordless drill capable of providing a minimum of 250 in-lbs of torque
- Ensure drill speed is set to low range (maximum of 500 rpm)
- Ensure drill is set to "drill mode"
- Use 3/8-inch drive sockets that have a retaining pin thru hole on the socket (most impact style sockets have thru holes)
- Ensure the torque limiters' slip-resistant drive adaptor is fully seated in the drill chuck
- Attach the desired size 3/8-inch drive socket with retaining pin thru hole to the torque limiter

CAUTION:

- Using sockets without retaining pin thru holes may damage/break the retaining pin
- Be sure to depress the retain pin when removing the socket to prevent pin damage
- Do not use with the drill in "impact/driver" mode as this will damage the torque limiter

2. Initial Startup

- Ensure the drill is securely held to counter the torque during tightening of the fastener
- Slow the drill speed down to less than 40 rpm as torque resistance builds and prior to activation of the torque limiter
- As soon as the first audible click is heard, stop the drill - the audible click indicates the preset torque has been reached

CAUTION:

- Continued operation of the drill after reaching the preset torque will result in multiple activations of the torque limiter (repeated clicking) resulting in unnecessary wear and possible damage to the torque limiter

3. Calibration

- The torque limiter should be recalibrated yearly or following every 750 kW of panel installation, whichever occurs first
- Additionally, recalibration shall be performed following any event that may have resulted in a loss of calibration accuracy

CAUTION:

- Keep the torque limiter clean and free of dirt - dirt can work its way into the torque limiter resulting in a loss of calibration



Solar Foundations USA®, Inc.
1142 River Road, New Castle, DE 19720
Phone (855) 738-7200
Fax (866) 644-5665
www.solarfoundationsusa.com

© Solar Foundations USA®, All Rights Reserved

Torque_Lim_Rev1_20210830