

Interchangeable Heads – Extensions LTCE



These extensions are designed for use with preset torque wrenches. They can be used to extend the length of the tool if access to the screw location is difficult without the extra length. Due to the changed lever length, the preset click wrench always has to be preset together with the extension and the mounted tool attachment.

Adjusting torque on SR preset clicker wrenches with extension head

If no testing device is available, the wrench with the extension attached is adjusted on the screw to be tightened with the aid of a direct indicating wrench.

If the required torque is within the measuring range of the available testing device, you can attach the extension and then set the tightening torque. If the required torque is outside the measuring range of your testing device, calculate the setting as follows:

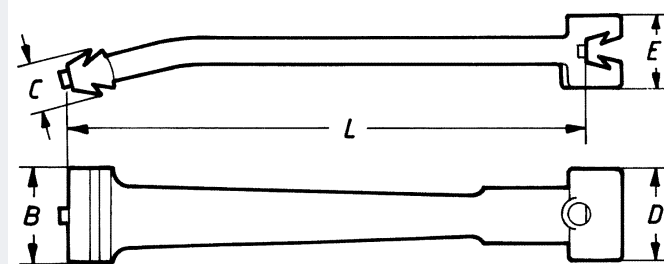
$$S = \frac{(LW \cdot T)}{(LW + LE)}$$

S = Setting (unknown).

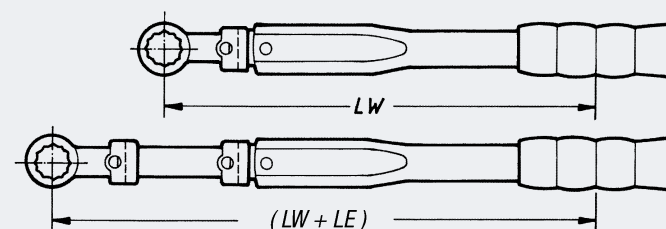
LW = Wrench length with standard tool attachment, measured from the centre of the handle to the centre axis of the attachment.

T = Torque = required target value.

LE = Length of extension, measured from dovetail to dovetail.



- ▶ Straight or 15° angled version available.
- ▶ SR dovetail connector with outstanding rigidity, durability and wear resistance.
- ▶ Alloy Steel, black finished.
- ▶ For use only with presettable SR clicker torque wrenches of the LTC, BLT, and SLTC/SLTC-FM series.



Example:

Required target torque = 230 Nm; tool head = BH-24MM ring spanner.

The target torque is 15% above the standard load capacity of the LTC-1800i (200 Nm). Therefore, the wrench length *LW* must also be extended by at least 15%. You could use a 100 mm extension, which would be slightly above this value. In this case, *LW* = 390 mm and *LE* = 100 mm.

This results in:

$$S = \frac{390 \cdot 230}{390 + 100} = \frac{89700}{490} = 183 \text{ Nm}$$

Now all you need to do is set the 200 Nm preset click wrench with the SW 24 ring spanner attached to 183 Nm on the testing device, and then apply the target torque of 230 Nm using the 100 mm extension that has been inserted in between.

Interchangeable heads with the same **centre line** can be interchanged without having to reset or re-adjust the torque wrench. (refer p. 6)

INFO

However, when interchanging heads with different centre lines, the torque wrench must be reset resp. re-adjusted each time!



LTCE

Model	Item No.	max. N·m	Dimensions mm				
			L	B	C	D	°
LTCE-4	R819424	33.9	101.6	28.6	9.5	28.6	–
LTCE-4-15	R819487	33.9	101.6	28.6	9.5	28.6	15
LTCE-6	R819467	90.4	152.4	31.8	9.5	28.6	–
LTCE-6-15	R819504	90.4	152.4	31.8	9.5	28.6	15
LTCE-14	R819021	90.4	355.6	44.5	9.5	38.1	–

