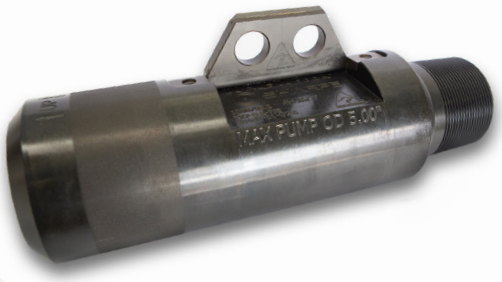
TorqStopper®



TX Series
Run Procedure

Recommended Setting Procedure

1. Having first liberally applied thread compound (recommend high pressure threadscompound as specified in API RP 5A3 on Thread Compounds) to the entire pin and box threaded areas, orient the TorqStopper® in accordance with the orientation as shown on the top of the tool indicated as 'UP'. Hand tighten to the pump stator and tubing. Apply the correct torque to the connections as required for the diameter and grade of tubing used. (Table on back of page provides references)
2. Run to desired depth.
3. Install dognut, land the dog nut then raise the tubing string 1" to 2".
4. Rotate tubing to the right (CW) until the tool sets. When the tool has set apply an approximate preload equal to 50 - 60% of the recommended make-up torque for diameter and grade of tubing being used. (See Table below for references) Note: if using pipe wrenches to apply setting torque, it is recommended that 2 wrenches 180° apart be used to reduce friction at the casing bowl caused by the side load when using only one wrench.
5. While maintaining torque, land the dognut. The TorqStopper® is now set.

Release Procedure

1. Pick up on dognut.
2. Rotate tubing to the left (CCW) until preload is released, then rotate a further 1⁄4 - 1⁄2 turnto left (CCW) to release tool.
3. Pull up on the tubing. The TorqStopper is now releasedqStopper® is now set.

Special Setting Procedure Instructions: "S" Bend Deviated Wells

1. Land the dognut as the normal, stroke the tubing up and back 12"-18" (30 to 45cm) 4 time.
2. With the tubing in the lowered position, apply a minimum of 500 ft-lbs setting torque as specific in the table below.
3. Stoke the tubing again 12"-18" (30 to 45cm) another 5 to 6 times whilst maintaining the setting torque.
4. Land the dognut and complete. The TorqStopper® is now set.

If the setting is applied without stroking the tubing, the TorqStopper® may not set due to the lack of torque transmission below the 'S' bend.

Note: When installing any TorqStopper® onto a pump stator or other hardware, the diameter of the stator or other hardware must not exceed the diameter of the TorqStopper®. If this instruction is not followed, the TorqStopper® will not function correctly. If down-hole data acquisition equipment is used and the above instruction is not followed, damage may occur.

SHARPE®

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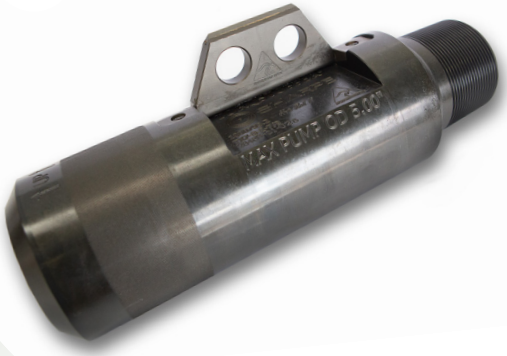

TorqStopper®

TX Series **Recommended Make-Up Torque**

Per latest edition of API RP 5C1: Care and Use of Casing and Tubing

Pin / Box Thread	Non-Upset	Upset	Grade	Min / Opt. / Max (Non-Upset)	Min / Opt. / Max (Upset)
EUE	Weight lb/ft (Threaded & Coupled)			Torque ft.-lb	
2 3/8”	4	–	J55	460/ 610/ 760	–
	4.6	4.7	J55	550/ 730/ 910	970/ 1290/ 1610
2 7/8”	6.4	6.5	J55	790/ 1050/ 1310	1240/ 1650/ 2060
	7.7	–	J55	910/ 1210/ 1510	–
3 1/2”	9.2	9.3	J55	1110/ 1480/ 1850	1710/ 2280/ 2850
	10.2	–	J55	1290/ 1720/ 2150	–
4 1/2”	12.6	12.75	J55	1310/ 1740/ 2180	2150/2860/3580

Service Kits available upon request

TX Series **Nomenclature**

TX 7 — 3 — 2 — XXX-XXXX

MODEL
TX (Original)
CTX (Centralised)

CASING SIZE
4 = 4-1/2”
5 = 5-1/2”
7 = 7”
8 = 8-5/8”
9 = 9-5/8”
10 = 10-3/4”
12 = 12-3/4”
13 = 13-3/8”

TUBING TOP CONNECTION
2.375 = 2-3/8”
2 = 2-7/8”
3 = 3-1/2”
4 = 4-1/2”
5 = 5-1/2”

TUBING BOTTOM CONNECTION
(If different to top connection)
2.375 = 2-3/8”
2 = 2-7/8”
3 = 3-1/2”
4 = 4-1/2”
5 = 5-1/2”

SERIAL #

AUSTRALIAN MADE

Q1 API Spec Q1 Registered
Q1-1410
Q1-4036