

Pragma Hydraulic X and R Lock Running Tool



- Intervention
- Flow control
- Well Testing

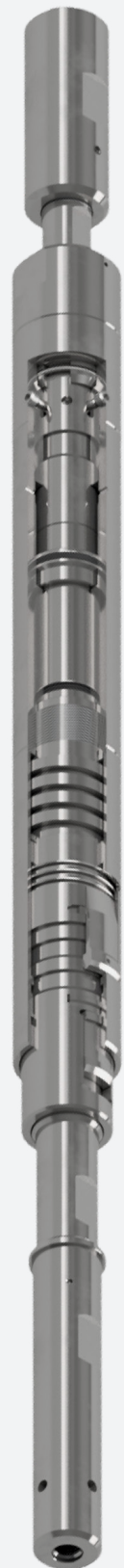
DESCRIPTION

The Pragma's CXRT and CRRT Running Tools are Coiled Tubing Deployed Hydraulic Running Tools that are used to run and set Pragma X or R Lock Mandrels into their respective matching nipples. The CXRT and CRRT Running Tools enable the

Locks to be run with their keys retracted so that they can pass multiple selective nipple profiles and reduce the risk of hang up whilst running in hole.

The Running Tools use the proven X and R Line Running trip mechanism to move the lock keys from their retracted running position to their non-selective setting position. Flow activating the lock will then set the lock in to the nipple profile.

The CXRT and CRRT Running Tools can also be used for running XN and RN Lock mandrels.



FEATURES & BENEFITS

- Enables the X,XN, R and RN Locks to be set on coiled tubing.
- Utilises field proven features from the X and R Line Running Tools.
- Robust construction.
- Adjustable pressure activation through shear pins.
- Standard XX and RR Running Prongs can be used.

DEPLOYMENT AND OPERATION

- The hydraulic running tool is made up to the lock by latching into the lock fish neck and pinning the core. The lock is run with the lock keys fully retracted.
- For the selective locks run in hole past the required nipple profile and pick back up to trip the dogs and move the lock keys to their selective position.
- Run in again into the nipple profile and the lock keys will locate into the nipple profile.
- Flow activate to set the lock and then pick up weight to confirm that the lock is set.
- Jar up to shear the shear pin connecting the core to the lock

Part Number	Outside Diameter	Engaging Fish Neck	Lock	Makeup Length
CXRT188AA08	1.75"	1.38" (2" GS)	1.875" X & XN	41.00"
CRRT218AA09	2.18"	1.81" (2 ½" GS)	2.188" R & RN	42.30"
CXRT231AA09	2.12"	1.81" (2 ½" GS)	2.313" X & XN	43.40"
CRRT256AA09	2.50"	1.81" (2 ½" GS)	2.562" R & RN	43.40"
CXRT275AA09	2.72"	2.31" (3" GS)	2.750" X & XN	45.55"
CXRT281AA09	2.72"	2.31" (3" GS)	2.812" X & XN	45.55"
CRRT369AA09	3.42"	3.12" (4" GS)	3.688" R & RN	48.90"
CXRT381AA23	3.75"	3.12" (4" GS)	3.813" X & XN	48.90"
CRRT431AA23	4.28"	3.12" (4" GS)	4.313" R & RN	49.00"
CXRT456AA23	4.49"	3.813" X & XN	4.562" X & XN	49.00"

We offer optional equipment, alternative sizes, pressure ratings, temperature ratings, materials and thread connections.

Please contact us for more information.

