



PURPOSE

The XN Lock is the non-selective version of the X lock. The keys are composed of an angled shoulder which is designed to fit in the bore restriction of a nipple which has a bottom no-go that is smaller than the seal bore. This device is designed to be used in single installations or to be used as a bottom XN nipple in a series of X nipples. XN Locks can only be landed in an XN profile nipple with an appropriate equalizing bottom attached to the no-go on the profile nipple no-go.

ASSEMBLY PARTS

1. Fish Neck
2. Expander Sleeve
3. Key Retainer
4. Key
5. Key Springs
6. Packing Mandrel
7. Male Backup Ring
8. Female Backup Ring

DESCRIPTION

The XN Lock mandrels have internal fishing necks.

The XN Lock mandrels with the flow control components are designed for the XN seating nipples installed in standard weight tubing. These lock mandrels that are similar in design are non-selective.

Once landed in the seating nipple these mandrels are mechanically locked. This is done by driving the expander sleeve behind the keys, holding the mandrel in a locked position.

Running tool required is X-line.

Pulling tool required is GS or GR.

PRECAUTIONS

Be sure the key springs are the right tension and form to hold the keys fully loaded for running in a controlled position. Ensure the ratchet rings on the expander sleeve and inner keys are not excessively worn.

(Sizes on next page)

Nominal Size		1.50"	1.625"	1.875"	2.313"
Assembly Number		0802XN150A0	0802XN162A0	0802XN187A0	0802XN231A0
Item	Part Name				
1	Fish Neck	0802X15001	0802X16201	0802X20001	0802X25001
2	Expander Sleeve	0802X15002	0802X15002	0802X20002	0802X25002
3	Key Retainer	0802X15003	0802X16203	0802X20003	0802X25003
4	XN Key	0802XN15004	0802XN16204	0802XN20004	0802XN25004
5	Key Spring	0802X15005	0802X15005	0802X20005	0802X20005
6	Packing Mandrel	0802X15006	0802X16206	0802X20006	0802X25006
7	Male Backup Ring	0802BUR15002	0802BUR16202	0802BUR18702	0802BUR23102
8	Female Backup Ring	0802BUR15001	0802BUR16201	0802BUR18701	0802BUR23101
Fishneck I.D.		1.062"	1.062"	1.375"	1.812"
Maximum O.D.		1.465"	1.580"	1.835"	2.275"

Nominal Size		2.75"	2.813"	3.813"
Assembly Number		0802XN275A0	0802XN281A0	0802XN381A0
Item	Part Name			
1	Fish Neck	0802X30001	0802X30001	0802X40001
2	Expander Sleeve	0802X30002	0802X30002	0802X40002
3	Key Retainer	0802X27503	0802X28103	0802X40003
4	XN Key	0802XN27504	0802XN28104	0802XN38104
5	Key Spring	0802X30005	0802X30005	0802X30005
6	Packing Mandrel	0802X30006	0802X30006	0802X40006
7	Male Backup Ring	0802BUR27502	0802BUR28102	0802BUR38102
8	Female Backup Ring	0802BUR27501	0802BUR28101	0802BUR38101
Fishneck I.D.		2.31"	2.31"	3.125"
Maximum O.D.		2.72"	2.78"	3.75"