



PURPOSE

The Ring Latch PX / PR Equalizing Assembly is used to enhance the standard X or XN operations by giving a positive prong retention mechanism. It offers safer snubbing operations because of the positive prong latching. They also used to plug off the wellbores.

ASSEMBLY PARTS

1. Prong Mandrel
2. End Cap
3. Housing
4. Housing Cap
5. Backup Ring – Female
6. Backup Ring – Double Male
7. Backup Ring – Double Female
8. Ring
9. Latch
10. V – Packing
11. O-Ring

OPERATION

Attach the housing and housing cap to appropriate lock mandrel and set in desired profile nipple using an X Running Tool. Dress prong with desired packing and install shear pin. Lower into wellbore using a jar down Pulling Tool (an SB is recommended). Jar into the housing attached to bottom of the lock mandrel at the desired depth. Jar down until the pin in SB/JDC is sheared and the prong is set with the ring and latch in place.

To remove the assembly, latch the prong with desired pulling tool (always ensure pressure is equalized) and jar up to shear the latch pin and freeing the prong. Once the prong has been retrieved, a GS or GR may be used to retrieve the lock and housing.

PRECAUTIONS

Care should be taken to record wellbore pressure before plug is installed. This will aid in equalizing when retrieving operations commence.

*Specify type of V – packing when ordering.

(Sizes on next page)

Nominal Size		1.78" R	1.87" R	2.00" X	2.12" R
Assembly Number		0902RLP178A0	0902RLP187A0	0902RLP200A0	0902RLP200A0
Item	Part Name				
1	Prong Mandrel	0902PR17801	0902PR17801	0902PX20001	0902PR178001
2	End Cap	0902RLP17803	0902RLP17803	0902RLP20003	0902RLP17803
3	Housing	0902RLP17801	0902RLP18701	0902RLP20001	0902RLP21201
4	Housing Cap	0902RLP17802	0902RLP17802	0902RLP20002	0902RLP17802
5	Backup Ring – Female	0902BUR08101	0902BUR08101	0902BUR09301	0902BUR08101
6	Backup Ring – Double Male	0902BUR08102	0902BUR08102	0902BUR09302	0902BUR08102
7	Backup Ring – Double Female	0902BUR08103	0902BUR08103	0902BUR09303	0902BUR08103
8	Ring	0902RLP17805	0902RLP17805	0902RLP20005	0902RLP17805
9	Latch	0902RLP17804	0902RLP17804	0902RLP20004	0902RLP17804
10	V – Packing*	0902VP08101	0902VP08101	0902VP09301	0902VP08101
11	O-Ring	121	121	121	121
Upper Thread Connection		1.375" – 14 UN	1.375"-14 UN	1.375"-14 UN	1.375"-14 UN
Max O.D.		1.77"	1.865"	1.865"	2.115"
Fishneck size		1.18"	1.18"	1.37"	1.18"

*Specify type of V-packing when ordering.

*Larger sizes available upon request.

(Sizes continued on next page)

Nominal Size		2.18" R	2.31" R	2.31" X	2.56" R
Assembly Number		0902RLP218A0	0902RLP231A0	0902RLP250A0	0902RLP256A0
Item	Part Name				
1	Prong Mandrel	0902PR21801	0902PR21801	0902PX25001	0902PX25001
2	End Cap	0902RLP20003	0902RLP20003	0902RLP25003	0902RLP25003
3	Housing	0902RLP21801	0902RLP23101	0902RLP25001	0902RLP25601
4	Housing Cap	0902RLP20002	0902RLP20002	0902RLP25002	0902RLP25602
5	Backup Ring – Female	0902BUR09301	0902BUR09301	0902BUR12501	0902BUR12501
6	Backup Ring – Double Male	0902BUR09302	0902BUR09302	0902BUR12502	0902BUR12502
7	Backup Ring – Double Female	0902BUR09303	0902BUR09303	0902BUR12503	0902BUR12503
8	Ring	0902RLP20005	0902RLP20005	0902RLP20005	0902RLP20005
9	Latch	0902RLP20004	0902RLP20004	0902RLP20004	0902RLP20004
10	V – Packing*	0902VP09301	0902VP09301	0902VP12501	0902VP12501
11	O-Ring	127	121	220	220 / 031
Upper Thread Connection		1.75" – 12 UN	1.75" – 12 UN	1.75" – 12 UN	2.00" – 12 SLB
Max O.D.		2.18"	2.307"	2.307"	2.55"
Fishneck size		1.375"	1.375"	1.375"	1.37"

*Specify type of V – packing when ordering.

*Larger sizes available upon request.