

**PURPOSE**

S Lock in combination with locating assembly is utilized to lock into polished seal bore of F-type Landing Nipple. It can bear pressure from below and above. It can also be used in combination with the pump via plugs, positive plugs, standing and safety valves.

ASSEMBLY PARTS

1. Lock Mandrel
2. Four Lock Dogs
3. Lock Springs
4. Pins

DESCRIPTION

The locks are fitted and pinned in the mandrel with two locks facing up to prevent upward movement and two locks facing down to prevent downward movement once the lock assembly is locked into place in the F seating nipple.

The S Lock assemblies are made selective by two components, they are graduated nipple seal bore sizes and the running tool locator ring sizes. The S Lock assembly is ran with the C-1 running tool complete with locator ring and model A shank.

The shank is required if the lock assembly is not equipped with a removable equalizing mandrel in the subsurface control.

The model A shank when threaded into the running tool and pinned to the S Lock assembly retracts the down facing locks for running in the well. Pulled with a JUC or JDC Pulling Tool and model A swivel probe to unlock the up facing locks.

OPERATION

The S Lock assembly with the subsurface control is pinned to the C-1 Running Tool with appropriate locator ring. The C-1 is attached to the tool string and lowered in the well to just above the desired seating nipple, the tool string weight is now taken.

The lock assembly is now set in the seating nipple profile with moderate downward jarring, an upward strain will indicate the lock assembly with the subsurface control is locked in the nipple. Upward jarring will shear the running tool pins, releasing the C-1 Running Tool from the lock assembly.

Once the shearing sequence is done the S Lock assembly will be retained in the seating nipple profile with the four locks. When running the up facing locks are trailing and during pulling the down facing locks are trailing.

PRECAUTIONS

Choosing the correct locator ring for the C-1 Running Tool is important to eliminate the possibilities of the lock assembly and the subsurface control being located and set in the wrong profile in the tubing string.

(Sizes on next page)

When ordering please specify part name and size. Call us Toll Free: 1-800-438-0061

Nominal Size		2.00"	2.50"	2.56"	3.00"	4.00"
Assembly Number		0803S200A0	0803S250A0	0803S256A0	0803S300A0	0803S368A0
Item	Part Name					
1	Body	0803S20001	0803S25001	0803S25601	0803S30001	0803S36801
2	Lock Dog	0803S20002	0803S25002	0803S30002	0803S30002	0803S40002
3	Spring	0803S20003	0803S25003	0803S25003	0803S30003	0403D20011
4	Pin	0803S20004	0803S25004	0803S25004	0803S25004	0803S40002
Fishneck size		1.37"	1.75"	1.75"	2.313"	3.125"
Running Shank		0703AS20001	0703AS25001	0703AS25601	0703AS30001	0703AS40001
Pulling Probe		0703AC200A0	0703AC250A0	0703AC256A0	0703AC300A0	0703AC400A0

*1.900 & 2.062 available upon request

*TS lock dogs available upon request

8. lock mandrels

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