Type- "CF"

Top No Go Nipple

TYPE- “CF” TOP NO GO NIPPLE

ES model “CF” Landing Nipple is a tubing nipple for use with Top No-Go locking devices only. It has a Polished Sealbore, Top No-Go shoulder, and a locking groove.

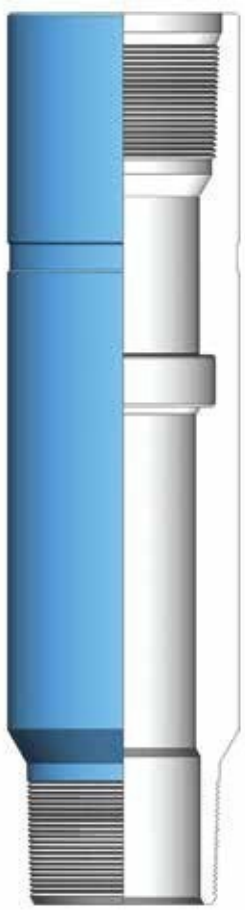
CF Nipple locates seals and retains flow control accessories that have a top no go locking device accesso- ries which are run and retrieved on slickline.

The ES “CF” Landing Nipple is a full bore, selective nipple that allows for the location of many wireline-run and retrieved Flow Control devices, such as:

Blanking Plugs

Check Valves (Standing Valves) Instrument Hangers

Bottom Hole Chokes



Applications

Inserting blanking plugs for shutting in or testing

Setting a packer or testing tubing

Installing instrument hangers for temperature and pressure recorders

Velocity-type safety valves for shutting off flow

Features and Benefits

Internal locking groove fits various other Flow Control tools

Selective locking devices allowmore than 1 CF Landing Nipplof the same sealbore diameter to be used in the same tubing string

Seal bore area packs off various Flow Control devices

Available in all metallurgical and Elastomers conforming to NACE MR 0175 or H2S, and suitable for standard normal/H2S, CO2 well services requirements.

Available in All API & Premium thread connections

ES- “CF” Top No Go Landing Nipple specification guide

Tubing size	Seal bore (In.)	Min. OD (In.)	Length (In.)*
2-3/8”	1.781	2.560	12-17
	1.812		
	1.875		
2-7/8”	2.062	3.109	13-18
	2.125		
	2.188		
	2.250		
	2.312		
3-1/2”	2.562	3.687	13-18
	2.750		
	2.812		
4-1/2”	3.688	5.200	15-20
	3.750		
	3.812		

* Length may vary depending on thread size and type.

Otis Type - "CXN"

Buttom No Go Nipple

Flow Control

OTIS TYPE- "CXN" BOTTOM NO GO NIPPLE

ES model "CXN" Landing Nipple is a tubing nipple for use with "XN" Bottom No-Go locking devices only. It has a Polished Sealbore, Bottom No-Go shoulder, and a locking groove.

CXN Nipple locates seals and retains flow control accessories that have a bottom no go locking device accessories are run and retrieved on slickline.

Applications

Inserting blanking plugs for shutting in or testing

Setting a packer or testing tubing

Installing instrument hangers for temperature and pressure recorders

Velocity-type safety valves for shutting off flow

The ES "CXN" Landing Nipple is a full bore, non-selective nipple that allows for the location of many wireline-run and retrieved Flow Control devices, such as:

Blanking Plugs

Check Valves(Standing Valves)

Instrument Hangers

Bottom Hole Chokes

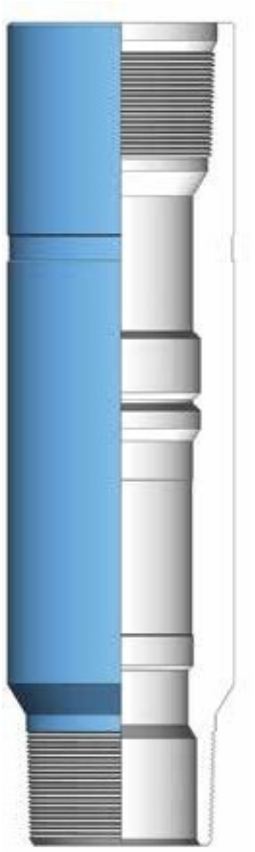
Features and Benefits

Internal locking groove fits various other Flow Control tools

Seal bore area packs off various Flow Control devices

Available in all metallurgical and Elastomers conforming to NACE MR 0175 or H2S, and suitable for standard normal/H2S, CO2 well services requirements.

Available in All API & Premium thread connections



ES- "CX" Landing Nipple specification guide

Tubing size ID (In.)	Seal bore (In.)	Min. OD (In.)	No-Go	Length (In.)*
2-3/8"	1.875	3.063	1.791	12-17
2-7/8"	2.312	3.668	2.205	13-18
3-1/2"	2.750	4.500	2.635	15-20
	2.812		2.666	
4-1/2"	3.812	5.563	3.725	15-20

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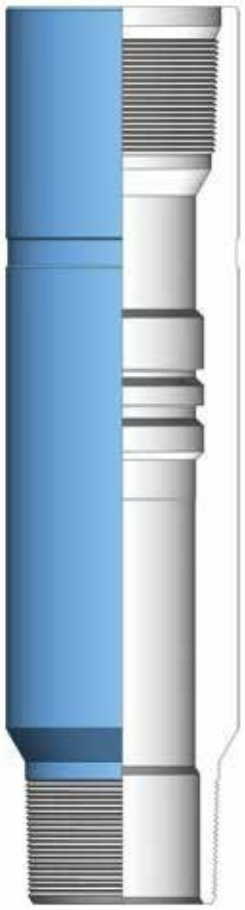
Otis Type - "CR"

Selective Nipple

OTIS TYPE- "CR" SELECTIVE NIPPLE



"CR" Landing Nipples are fully selective nipples, used to land, lock and seal R-type locking mandrels with attached flow control devise in the production tubing string.

The "CR" Nipple is designed to be used in the heaviest weight, higher rated pressure tubing. It has a Polished Sealbore and a locking groove.

The internal profile of "CR" Landing Nipples includes a Non-selective pro-file a locking recess and a polished sealbore. When installed, the locking dogs in the RN-type lock move out into the recess of the nipple, anchoring the lock and positioning the lock packing in the polished sealbore section of the nipple.

Blanking Plugs Standing Valves Instrument Hangers Bottom Hole Chokes

Applications

Inserting blanking plugs for shutting in or testing

Setting a packer or testing tubing

Installing instrument hangers for temperature and pressure recorders

Velocity-type safety valves for shutting off flow

Features and Benefits

Internal locking groove fits various other Flow Control tools

Selective locking devices allow more than 1 CR Landing Nipple of the same sealbore diameter to be used in the same tubing string

Seal bore area packs off various Flow Control devices

Available in all metallurgical and Elastomers conforming to NACE MR 0175 or H2S, and suitable for standard normal/H2S, CO2 well services requirements

Available in All API & Premium thread connections

ES- "CR" Landing Nipple specification guide

Tubing size	Seal bore (In.)	Min. OD (In.)	Length (In.)
2-3/8"	1.500	3.063	15-18
	1.710		
	1.781		
2-7/8"	1.875	3.668	15-18
	2.000		
	2.125		
	2.188		
3-1/2"	2.188	4.500	13-18
	2.313		
	2.562		
4-1/2"	3.437	5.563	15-20
	3.688		
	3.750		
	3.813		

* Length may vary depending on thread size and type.
Available in All API & Premium thread connections on request

Otis Type - "CRN"

Non-Selective Nipple

Flow Control

OTIS TYPE- "CRN" NON-SELECTIVE NIPPLE

"CRN" Landing Nipples are fully selective nipples, used to land, lock and seal CRN" Landing Nipples are fully selective nipples, used to land, lock and seal "RN" Bottom No-Go locking devices only. It has a Polished Sealbore, Bottom No-Go shoulder, and a locking groove

The "CR" Nipple is designed to be used in the heaviest weight, higher rated pressure tubing. It has a Polished Sealbore and a locking groove.

Applications

Inserting blanking plugs for shutting in or testing

Setting a packer or testing tubing

Installing instrument hangers for temperature and pressure recorders

Velocity-type safety valves for shutting off flow

The internal profile of "CRN" Landing Nipples includes a selective profile a locking recess and a polished seal- bore. When installed, the locking dogs in the RN-type lock move out into the recess of the nipple, anchoring the lock and positioning the lock packing in the polished sealbore section of the nipple.

Blanking Plugs
Standing Valves
Instrument Hangers
Bottom Hole Chokes

Features and Benefits

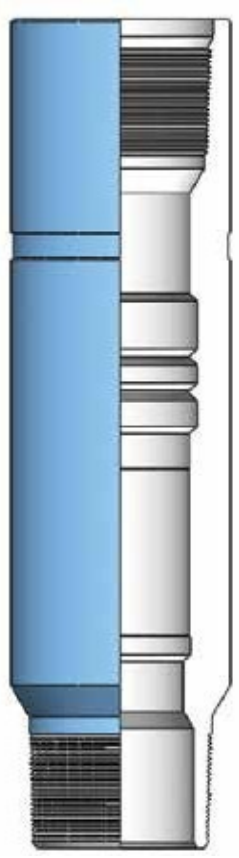
Internal locking groove fits various other Flow Control tools

Selective locking devices allow more than 1 CR Landing Nipple of the same sealbore diameter to be used in the same tubing string

Seal bore area packs off various Flow Control devices

Available in all metallurgical and Elastomers conforming to NACE MR 0175 or H2S, and suitable for stand ard normal/H2S, CO2 well services requirement.

Available in All API & Premium thread connections



ES- "CRN" Landing Nipple specification guide

Tubing size	Seal bore (In.)	Min. OD (In.)	No-Go OD (In.)	Length (In.)*
2-3/8"	1.500	3.063	1.345	15-18
	1.710		1.560	
	1.781		1.640	
2-7/8"	1.875	3.668	1.716	15-18
	2.000		1.881	
	2.125		1.937	
	2.188		2.010	
3-1/2"	2.188	4.500	2.010	13-18
	2.313		2.131	
	2.562		2.329	
4-1/2"	3.437	5.563	3.260	15-20
	3.688		3.456	
	3.813		3.725	

* Length may vary depending on thread size and type.
Available in All API & Premium thread connections on request

"CX", "CXN", "CR" & "CRN" LOCK MANDRELS (BLANKING PLUGS)

The ES Locking Mandrels are selective and Non Selective set lock mandrels designed to be landed down hole in a respective CX, CXN, CR, CRN Landing Nipple profile. The "CX" Lock is available with various sub surface plug assemblies and flow control accessories.

These Lock mandrels are runs with respective size model "CX" and "CR" Running Tools and can be retrieve by using model "GS" pulling Tool.

Applications

Selected zones can be produced or shut in.

To pressure test tubing.

To isolate tubing for wellhead repair or removal

To set hydraulic actuated Packers.

Gauge hangers for bottomhole pressure/temperature surveys

Positive locator for straddle systems

Plugging under pressure Almost unlimited locations for setting and locking subsurface flow controls

Features and Benefits

Retractable locking keys

Locks designed to hold pressure from above or below or from sudden reversals Extra large ID for higher flow volumes Available in All API material grade.

Available in material conforming to NACE MR 0175 or H2S, CO2 well environment services requirements.

ES- "Lock Mandrel specification guide

Tubing size	Seal bore (In.)	Min. OD (In.)	Lock mandrel ID (In.) (CX and CXN type)	Lock mandrel ID (CR and CRN)
2-3/8"	1.500	3.063	1.00	0.62
	1.710			0.75
	1.781			0.88
2-7/8"	1.875	3.668	1.38	0.88
	2.000			
	2.125			
	2.188			1.12
3-1/2"	2.188	4.500	1.75	1.12
	2.313			
	2.562			1.38
4-1/2"	3.437	5.563	2.62	1.94
	3.688			2.38
	3.750			NA

"CX", "CXN", "CR" & "CRN"

Standing Valves

Flow Control

"CX", "CXN", "CR" & "CRN" STANDING VALVES

The ES Standing Valves are selective and Non Selective set lock mandrels designed to be landed down hole in a respective CX, CXN, CR, CRN LandingNippleprfile.ESstandingValve allows the flow from tubing string during run in after landing over respective landing nipple a ball drops to seat over the Seat Housing of standing Valve it allows the string to pressurize to set the packer inject the necessary chemicals.

These Lock mandrels are runs with respective size model "CX" and "CR" Running Tools and can be retrieve by using model "GS" pulling Tool.

Applications

To pressure test tubing.

To set hydraulic actuated Packers

Positive locator for straddle systems.

Almost unlimited locations for setting and locking subsurface flow controls

Features and Benefits

Retractable locking keys

Locks designed to hold pressure from above or

below or from sudden reversals

Extra large ID for higher flow volumes Available in All API material grade.

Available in material conforming to

NACE MR 0175 or H2S, CO2 well

environment services requirements.

ES- "Lock Mandrel specification guide

Tubing size	Seal bore (In.)	Min OD (In.)	Lock Mandrel ID (In.) (CX and CXN type)	Lock mandrel (CR and CRN)
2-3/8"	1.500	3.063	1.00	0.62
	1.710			0.75
	1.781			0.88
2-7/8"	1.875	3.668	1.38	0.88
	2.000			
	2.125			
	2.188			1.12
3-1/2"	2.188	4.500	1.75	1.12
	2.313			
	2.562			1.38
4-1/2"	3.437	5.563	2.62	1.94
	3.688			2.38
	3.750			NA
	3.813			2.12

ES "CF-2 & CR-2" EQUALIZING CHECK VALVES

The ES Model 'CF-2' and 'CR-2' Equalizing Check Valves are complete equipment units, without any Locking Device. They are utilized in the following Tubing Mounted Equipment:

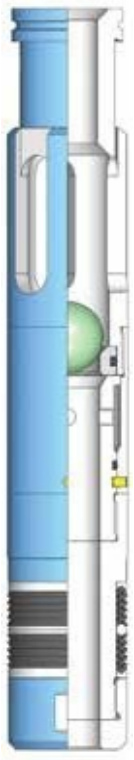
CF-2: run in all Model 'F' Nipples and all Model 'L' Sliding Sleeves

CR-2: run in Bottom No-Go 'R' Nipples

Both models are run into a Nipple Profile and hold pressure from above only. The 'FB-2' model lands on the top of a 'F' Nipple Profile seal bore. The 'RB2' model seats

on the Bottom No-Go Shoulder of a 'R' Nipple a 'C-1' Running Tool is used to run both valve assemblies.

Both models can be equalized prior to retrieval, by shifting open the Equalizing Mandrel Ports. Standard PullingToolmodel"JDC"/"JUC"is utilized for retrieval of these valves.



Applications

Can be used as a plug to pressure test tubing.

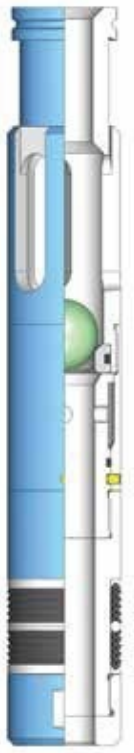
To set hydraulically actuated packer with the check valve positioned below the packer.

For gas lift operations.

To be used as a standing valve in wells which have downhole electric pumps

ES- "Lock Mandrel specification guide

Tubing size model	Seal bore (In.)	Min. OD (In.)	To Run model	To retrieve
2-3/8″	1.781	1.865	2-3/8″	
	1.812	1.865		
	1.875	1.905		
2-7/8″	2.250	2.302	2-7/8″	
	2.312	2.364		
3-1/2″	2.750	2.802	3-1/2″	
	2.812	2.865		
4-1/2″	3.668	3.740	4-1/2″	
	3.750	3.802		
	3.812	3.875		



ES-NE Non Elastromeric Sliding Sleeve

Flow Control

ES-NE NON ELASTOMERIC SLIDING SLEEVE

The Sliding Sleeve is a Downhole Tool normally screwed into the production tubing, allowing for communication between the tubing and the casing.

It is used to selectively produce zones in a multi-zone completion, stimulate and test zones, displace tubing or casing once the wellhead is installed, kill the well by circulation and allows for the circulation of treatment chemicals or agents.

The closing sleeve has replaceable, vee type upper and lower seals to ensure maximum sealing integrity for extended periods of time downhole. The upper sub is available in selective/Non Selective and Otis (X, XN, R, RN)/Baker (F&R) type Nipple profile machined into it. This feature provides a profile to locate and lock into place various flow control devices which may be required from time to time.

The Sliding Sleeve is shift down to open and closes with the B Shifting Tool. The Shifting Tool can be dressed to either release automatically or to shear a pin to release.

Downward jarring opens the sleeve and upward jarring closes it. The Sliding Sleeve is designed so that normal wireline operations will not open or close it inadvertently.

Applications

A specially designed diffuser ring made of high-strength thermoplas tic is critically spaced between the flow ports and the upper packing unit. This prevents damage to the upper packing unit during shifting by controlling the rush of fluid or gas, and lessens the likelihood of tool string damage by providing for slow equalization of high differentials.

Mill slots replace drill holes as flow ports on both the housing and the insert to allow more flow area, reduce erosion and allow higher torque and tensile strengt through the sleeve

The threat of galling is further reduced by coating critical metallic components with proprietary surface treatments.

Available in All API material grades

Available in material conforming to NACE MR 0175 or H2S, CO2 well envi ronment services requirements.

Available in All API & premium thread connections and Elastomers type

High chamfered smooth Equalizing Port does not damage the seals during the shiftingof Inner Sleeve

Top and Bottom Sub having High Finish seal Bore ID to accommodate isolation sleeve and other sealing devices

ES Non Elastomeric Sliding Sleeve Technical specification guide

Seal bore pressure	Flow area	Flow area	Max OD	Thread	Shifting	
1.625	0.919	2.073	2.625	2-3/8”	1.625 “B”	9,000
1.875 2.313	2.355 2.974	2.762 4.199	3.063 3.668	2-3/8” 2-7/8”	1.875 “B” 2.313 “B”	9,000
2.750 2.812	7.212	5.940 6.211	4.281 4.281	3-1/2”	2.750 “B” 2.812 “B”	8000
3.312 3.813	11.426	8.611 11.413	5.680 5.680	4-1/2”	3.250“B” 3.813 “B”	7,500
4.312 4.562	10.598	14.596 16.337	6.400 7.500	5-1/2”	4.312 “B” 4.562 “B”	6,500

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ES-CL ELASTOMERIC SLIDING SLEEVE

The "CL" Sliding Sleeve is a Downhole Tool normally screwed into the production tubing, allowing for communication between the tubing and the casing.

It is used to selectively produce zones in a multi-zone completion, stimulate and test zones, displace tubing or casing once the wellhead is installed, kill the well by circulation and allows for the circulation of treatment chemicals or agents.

The closing sleeve has replacea- ble, Bonded seal type upper and lower seals to ensure maximum sealing integrity for extended periods of time

Features & Benefits

Mill slots replace drill holes as flow ports on both the housing and the insert to allow more flow area, reduce erosion and allow higher torque and tensile strength through the sleeve

The threat of galling is further reduced by coating critical metallic components with proprietary sur face treatments.

Available in All API material grades

Available in material con forming to NACE MR 0175 or H2S, CO2 well environ ment services requirements.

downhole. The upper sub is available in selective/Non Selective and Otis (X, XN, R, RN)/Baker (F&R) type Nipple profile machined into it. This feature provides a profile to locate and lock into place various flow control devices which may be required from time to time.

The Sliding Sleeve is shift down to open and closes with the D-2 Shifting Tool. The Shifting Tool can be dressed to either release automatically or to shear a pin to release.

Downward jarring opens the sleeve and upward jarring closes it. The Sliding Sleeve is designed so that normal wireline operations will not open or close it inadvertently.

Available in All API & premium thread connections and Elastomers type

Top and Bottom Sub having High Finish seal Bore ID to accommo date isolation sleeve and other sealing devices

Ports can be closed without leaving any obstructions in the tubing once the shifting operation is completed

The circulation ports can be carburised to prevent the damage during flow.

ES model "L" Elastomeric Sliding Sleeve Technical specification guide

Seal bore pressure	Flow area	Flow area	Max OD	Thread	Shifting	
1.625	0.919	2.073	2.625	2-3/8	1.625" "D-2"	9,000
1.812	2.355	2.762	3.063	2-3/8	1.812" "D-2"	9,000
1.875 2.313	2.355 2.974	2.762 4.199	3.063 3.668	2-3/8 2-7/8	1.875 "D-2" 2.313 "D-2"	9000
2.750 2.812	7.212	5.940 6.211	4.281 4.281	3-1/2	2.750 "D-2" 2.812 "D-2"	8000
3.312 3.813	11.426	8.611 11.413	5.680 5.680	4-1/2	3.250 "D-2" 3.813 "D-2"	7.500
4.312 4.562		14.596 16.337	6.400 7.500	1/2	4.312 "D-2" 4.562 "D-2"	6,500

Flow Control

SLIDING SLEEVE PACKOFF

The ES Sliding Sleeve Packoff is designed to be attached to a lock type that matches the integral landing in the sliding sleeve. When sliding Sleeve malfunctioning, leaks fluid between casing annulus and tubing when closed, a Packoff used to isolates this zone without pulling up the entire tubing string.

Packoff assemblies are used to Sliding Sleeve ports and prevent migration fluids between tubing and casing annulus, as well as provide the path for flow production fluids to the surface.

ES Sliding Sleeve Packoff consist of a subassembly called Lock mandrel having Baker/Otis type lock which sets inside the matching Landing Nipple lock profile of Upper Sub. This also consists of two seal stack unit suitable to well bore environment, the Upper seal unit seal inside the Upper sub of and Lower seal set inside the Bottom Sub of Sliding Sleeve.

Since the Sliding sleeve is hollow it, it will still allow flow up the tubing and provide the uniform path for the other Wireline job.

ES Sliding Sleeve Packoff consist of a Equalizing Plug/ Knockout plug which break by Equalizing Prong during pulling to equalize the pressure across the Sleeve at the begin.

Downward jarring set the lock mandrel by using "ESX" Running Tool run by Wireline/Slickline. The tool ids retrieved by "ESGS" Pulling Tool.

Features & Benefits

- Blanking off the ports in a Sliding Sleeve.
- Shutting off flow from casing zone.
- Allowing flow from lower Zone.
- Straddles and Packs off above and below flow ports
- Pressure is equalized by a Equalizing Plug before pulling out the tool.
- Adaptable to most of Manufacturers lock.
- Adaptable to most of Manufacturers Sliding Sleeves type.
- Available in All API material grades
- Available in material conforming to NACE MR 0175 or H2S, CO2 well environment services requirements.
- Available in All Elastomers type.
- Validated to withstand 7,500 psi differential pressure and 300° F Temperature
- High chamfered smooth Equalizing Port does not damage the seals during the shifting of Inner Sleeve

ES Sliding Sleeve Pack Off Technical specification guide

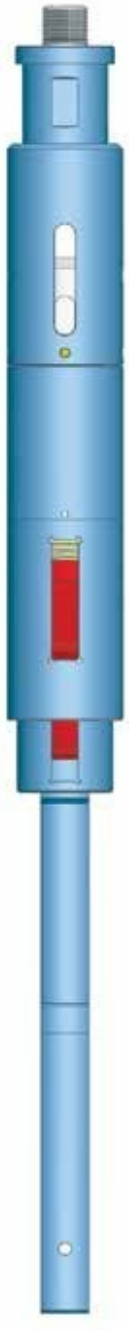
SSD size	Lock mandrel size	Max. Tool OD	Min. Tool	Running/ Pulling tool	Pressure Rating (Psi)	Temperature
2-3/8"	1.625	1.625	0.75	1.625	9,000	300°F
	1.875	1.875	1.00	1.875	9,000	
2-7/8"	2.313	2.313	1.38	2.313		
3-1/2"	2.750	2.750	1.75	2.750	8,000	
	2.812	2.812		2.812		
4-1/2"	3.312	3.312	2.12	3.250	7,500	
	3.813	3.813	2.62	3.813		
1/2	4.312	4.312		4.312	7,500	
	4.562	4.562	3.12	4.562		

ES-X RUNNING TOOL

The X-Line Selective Running Tool is designed to install subsurface controls using a type X Locking Mandrel. The selective features of the X Running Tool allow the operator to install the down hole device in a pre-determined. CX Landing Nipple by adjusting the tool into the selective position. If the subsurface control is to be installed in the upper most landing nipple, the locking mandrel may be run with the keys in the control or location position.

In addition to setting the X Locking Mandrel, the Running Tool may be used to locate WX Landing Nipples.

The R Selective Running Tool, similar in design, is available in a wide range of sizes to install Type R Locking Mandrels in heavy weight tubing's.



Sizes	Fishing Neck OD	Connection	Bottom Thread	Length	Shear Pin	OD Dogs Retracted	OD Dogs Expanded	Fishing Neck Engages
1.70	1.188	15/16-10	3/8-16	30.063	3/16 x 1-1/8″	1.640	1.760	1-1/16
1.781	1.375	15/16-10	1/2-13	29.313	1/4x 1-1/2″	1.750	1.828	1-3/4
1.875	1.375	15/16-10	1/2-13	29.313	1/4x 1-1/2″	1.750	1.937	1-3/4
2.125	1.375	15/16-10	1/2-13	29.313	1/4x 1-1/2″	1.750	2.165	1-3/4

Sizes	Fishing Neck OD	Connection	Bottom Thread	Length	Shear Pin	OD Dogs Retracted	OD Dogs Expanded	Fishing Neck Engages
2.188	1-3/4	15/16-10	5/8-11	29.313	1/4″ x 1-7/8″	2.175	2.297	1.812
2.313	1-3/4	15/16-10	5/8-11	29.313	1/4″ x 1-7/8″	2.175	2.359	1.812
2.562	1-3/4	15/16-10	5/8-11	30.250	1/4″ x 1-7/8″	2.500	2.671	1.812

Pulling Tool

Flow Control

ES-GS PULLING TOOL

The "GS" Pulling Tool is a wireline service tool designed to retrieve flow control devices from well bore. The "GS" Pulling Tool is designed to engage an internal type fishing neck. The tool is available in a wide range of sizes, for standard or H2S service.

The "GS" Pulling Tool is designed to be released from the downhole device by downward jarring.

ES GS Pulling Tool Technical Specification Guide

'GS' Pulling Tool

Nominal Size (In.)	Prong conn. Box	Fishing neck I.D Guide (In.)	Max. OD (In.)	F/N O.D (In.)	Top Conn.	Reach (In.)
1-1/4	3/8 -16	0.880	1.160	1.000	5/8-11 UNC	1.08
1-1/2-1-3/4	1/2-13	1.060	1.470	1.187	15/16-10 UN	1.62
2	1/2-13	1.380	1.750	1.375	15/16-10 UN	1.62
2	1/2-13	1.380	1.810	1.375	15/16-10 UN	1.62
2-1/2	5/8-11	1.810	2.160	1.750	15/16-10 UN	1.62
2-1/2	5/8-11	1.810	2.160	1.750	15/16-10 UN	1.62
3	5/8-11	2.310	2.720	2.313	1-1/16-10 UN	1.62
3-1/2	1-3/8-12	2.620	3.110	2.313	1-1/16-10 UN	1.62
4	2-1/8-12	3.120	3.620	2.313	1-1/16-10 UN	1.62
5	2-1/2-10	4.000	4.500	3.125	1-1/16-10 UN	1.82
6	2-3/4-10	4.750	5.560	3.125	1-1/16-10 UN	1.86
7	3-5/8-10	5.250	5.830	3.125	1-1/16-10 UN	1.86
7	3-5/8-10	5.250	5.880	3.125	1-1/16-10 UN	1.86

ES-JD AND JU PULLING TOOL

The "JD" Pulling Tool is a wireline service tool designed to remove retrievable subsurface devices with external fishing necks from well. This tool has collet-type dogs with large latching area. It is also available with different length cores which make the reach of the tool adaptable to retrieve subsurface devices with fishing necks of different lengths.

The "JD" Pulling Tool utilizes the "D" top sub which is made up to the skirt of the tool. The dogs, which are mount- ed on the skirt, are inserted into the vertical openings in the skirt. The "JD" Series Pulling Tool can be released, if necessary from the retrievable device by downward jarring.

The "JU" utilizes the "U" top sub which is made up to the core of the tool. The "JU" can be released, if necessary from the subsurface device by continued upward jarring.

ES JD and JU Pulling Tool Technical Specification Guide

Size	Type	To Engage Fishing Neck O.D	Reach	Max. O.D	Top Thread Connection
1 1/4 ″	JDC	875″	1.937″	1.281″	15/16-10
1 3/8 ″	JDC	1.000″	1.875″	1.375″	15/16-10
1 1/2 ″	JDC	1.187″	1.093″	1.422″	15/16-10
1 1/2 ″	JDS	1.187″	1.843″	1.422″	15/16-10
1 1/2 ″	JUC	1.187″	1.093″	1.422″	15/16-10
1 1/2 ″	JUS	1.187″	1.843″	1.422″	15/16-10
1 5/8 ″	JDC	1.187″	1.093″	1.625″	15/16-10
2″	JDC	1.375″	1.437″	1.859″	15/16-10
2″	JDS	1.375″	2.125″	1.859″	15/16-10
2″	JUC	1.375″	1.437″	1.859″	15/16-10
2″	JUS	1.375″	2.125″	1.859″	15/16-10
2 1/2 ″	JDC	1.750″	1.312″	2.250″	15/16-10
2 1/2 ″	JDS	1.750″	2.187″	2.250″	15/16-10
2 1/2 ″	JUC	1.750″	1.312″	2.250″	15/16-10
2 1/2 ″	JUS	1.750″	2.187″	2.250″	15/16-10
3″	JDC	2.312″	1.437″	2.796″	1 1/16-10
3″	JDS	2.312″	2.125″	2.796″	1 1/16-10
3″	JUC	2.312″	1.437″	2.796″	1 1/16-10
3″	JUS	2.312″	2.125″	2.796″	1 1/16-10
4″	JDC	3.125″	2.312″	3.750″	1 1/16-10
4″	JUC	3.125″	2.312″	3.750″	1 1/16-10