



CATALOGUE

CORE RETRIEVAL

MUD MASTER

PROFESSIONAL DRILLING PRODUCTS



DRILL RODS

BLACK MOOSE

DRILLING ADDITIVES AND GREASES





Made in Canada



Reverse Flank
Wireline Drill
Rod



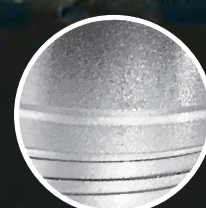
Volume Heat
Treatment



Size Color
Index



Indicator
Grooves



Anti-galling
Coating

DIAMOND DRILLING TOOLS



📍 DUBAI, UAE
☎ +971 50 698 3225

📍 ALMATY, KAZAKHSTAN
☎ +7 747 926 99 09

📍 TASHKENT, UZBEKISTAN
☎ +7 924 412 42 74

📍 MOSCOW, RUSSIA
☎ +7 495 269 90 90





NORTH BAY, CANADA

We understand how complicated and responsible the work of drillers is.

We understand what maximum return is.

And we know that you also expect maximum performance from the tools you use.

We know that the results of your work depend on the reliability of your equipment.

We know how hard you work and offer the most productive solutions.

Mud Master - technologies for people like you.



Core Retrieval Tools

CONTENTS

Get More Rock In The Box Every Shift	6
Core Barrel Assembly Options	7
Edgelock Overshot Assembly	8
Overshot Assembly Options	9
RetroLatch and Retrolock	10
Coring Accesssoories	11
B Core Retrieval System	14
N Core Retrieval System	22
N3 Core Retrieval System	32
NU Core Retrieval System	39
H Core Retrieval System	45
H3 Core Retrieval System	55
HU Core Retrieval System	66
P Core Retrieval System	70
P3 Core Retrieval System	76



GET MORE ROCK IN THE BOX EVERY SHIFT!

Increase the productivity of your drilling operations and maximize core retrieval regardless of ground conditions with MUD MASTER's smooth-operating in-hole coring tools and accessories. Members of MUD MASTER's engineering, manufacturing, and field service teams draw on their extensive mineral exploration drilling experience to ensure that our in-hole core retrieval tools operate smoothly, latch positively, and keep your rig turning for maximum productivity.

MUD MASTER Core Retrieval Tools by Di-Corp offer:

- Surface and Pump-In Core Barrel Assemblies.
- Complete compatibility with the industry's leading coring systems.
- Durable, reliable operation.
- Ready access to replacement parts and spares.
- A wide range of coring accessories, including bit and rod gauges, water swivels, fishing tools, casing advancers, and more.

WHEN YOU NEED AN EDGE

We've improved the traditional Core Barrel and Overshot designs with an innovative approach that increases the safety and reliability of latching and locking. Our Edge series features the **EdgeLOCK™ Overshot Assembly**.

OR KEEP IT RETRO

Want to keep things old school? MUD MASTER offers a version of the most widely used traditional latching and locking systems with our Retro series - the **RetroLATCH™ Core Barrel Head Assembly** and the **RetroLOCK™ Overshot Head Assembly**



CORE BARREL ASSEMBLY OPTIONS



PUMP-IN CORE BARRELS WITH LATCH LOCKING

MUD MASTER has a two-part enhanced mechanism that locks the latches open during uphole drilling and is designed to fit inside the existing space of most standard heads.

In the first mechanism, the locking pin slides into the notch on top of each latch when the latches open inside the adaptor coupling. The force of the locking spring keeps the locking pin in place until the latch retraction case is actuated during core retrieval. The second mechanism applies a designed spring force to the latch retraction case once the latches are opened. This ensures that the first mechanism remains fully engaged during drilling and that the latches are not prematurely retracted, resulting in the inner tube assembly unlatching.

CORE BARREL ASSEMBLY PARTS

Need a replacement part for your Core Barrel Assembly? In addition to our complete assemblies and head assemblies, we also offer individual parts as required.

CORE BARREL CONVERSIONS

MUD MASTER offers options for Core Barrel conversions, including seamless transitions from competitor's core barrel assemblies to the enhanced EdgeLATCH" Core Barrel by replacing only a handful of simple components. We also offer fully assembled conversions that replace all components. Conversion Kits are offered for B, N, N2, N3, H, and H3 sizes.

CORE BARREL KITS

MUD MASTER offers both gravity and pump-in systems in double and triple-tube configurations. We have incorporated several product improvements to ensure you remain productive, including EdgeLATCH" for improved locking and unlocking, shielded bearing, latch locking for up-hole drilling, inner tubing, and more.

Kits are offered for B, BU, N, N2, N3, NU, H, H3, and HU sizes.

EXTENDED CORE BARREL OPTIONS

Whether you're coupling two standard Core Barrels together or simply extending an Inner Tube Assembly to match a stabilized Reaming Shell, MUD MASTER can extend your standard Core Barrel in sizes B, N, and H.



EDGELOCK OVERSHOT ASSEMBLY

Safely and efficiently retrieve your inner tube assembly or core sample with our overshot systems.

Whether you need a full assembly, head assembly, or spares, MUD MASTER has your overshot needs covered with options compatible with commonly-used coring systems. Maximize core retrieval with our effective and safe overshot options.

Safety is first with MUD MASTER's EdgeLOCK Overshot locking system. The EdgeLOCK Overshot is a simple, self-locking, compatible solution to retrieve the Inner Tube Assembly efficiently and reliably. With the unique edge lock

remember to stop and engage a safety mechanism, gravity automatically does it for you!

The EdgeLOCK Overshot eliminates the need to manually lock in the head - keeping your fingers out of harm's way in the process. As soon as you start to raise the overshot, the weight of the head pulls the lifting dogs into the locked position. The head remains "locked in" until the weight is removed, and you manually compress the lifting dogs to release.

EdgeLOCK Overshot Assemblies are offered for B, BU, N, N2, N3, H, H3, and HU sizes.



The EdgeLOCK is available as a full assembly or head assembly.

OVERSHOT ASSEMBLY OPTIONS



ROLLING EDGELOCK OVERSHOT

The Rolling EdgeLOCK® Overshot is a modified version of the standard EdgeLOCK Overshot. It features a unique edge lock mechanism that is normally used when the hole angle approaches 45° and the overshot descent time is compromised by friction between the Overshot Assembly and the inside diameter of the drill string.

Rolling EdgeLOCK Overshot Assemblies are offered for B, N, N2, N3, H, and H3 sizes.



OVERSHOT ASSEMBLY PARTS

Need a replacement part for your Overshot Assembly? In addition to our complete assemblies and head assemblies, we also offer individual parts as required.

OVERSHOT SPARES

Overshot Spares include the most commonly consumed Overshot wear components. The EdgeLOCK Overshot spares kits contain Pins, Bearings, Springs, Nuts, Fittings, Pin Links and Screws, as well as Lifting Dogs. The Pump-In Overshot spares kits contain the same items, less the EdgeLOCK components.

Overshot Spares are offered for B, N, N2, N3, H, and H3 sizes.



RETROLATCHTM AND RETROLOCKTM

Along with our better-performing Edge series for Core Retrieval, we offer the Retro series, our versions of well-known traditional latch and lock systems from an independent tooling supplier. Why buy from a drilling competitor when you can get what you need from a supplier ready to focus on your needs?

RETROLATCHTM CORE BARREL ASSEMBLY

If you're looking for a traditional "swing-out" link-style latching system, try **RetroLATCH** — it's a blast from the past, but it gets the job done! Additionally, the MUD MASTER RetroLATCH head assembly design is fully compatible with that of manufacturers.

RetroLATCH Core Barrel Assemblies are offered in H and N sizes.



RETROLOCKTM OVERSHOT ASSEMBLY

The RetroLOCK Overshot is a simple, self-locking, compatible device for retrieving the inner tube assembly efficiently. The RetroLOCK is offered as a full assembly or head assembly in H and N sizes.



CORING ACCESSORIES



BIT AND ROD GAUGES

MUD MASTER Rod & Bit Gauges ensure that your gear is operating within its service life, optimizing productivity and safety. Many Drillers choose to use our gauges as a fail-safe on-site checking mechanism which decreases potential downtime due to normal product wear and/or failure.



CASING ADVANCERS

The MUD MASTER Casing Advancer consists of an Inner Assembly (includes a loading funnel) and a Driver Coupling. MUD MASTER Casing Advancer Assemblies will ensure that casing through overburden is as efficient as possible providing a quick and fail-safe retrieval of the Inner Assembly once bedrock is reached.



Casing Advancers can be used multiple times, and if the casing must remain in the ground following a completed drill hole, replacement drivers are available, allowing the balance of the assembly to be used repeatedly.

FISHING TOOLS & TAPS

MUD MASTER offers a wide variety of Fishing Tools and Recovery Taps in all sizes of Wire Line Drill Rods and Casing.





CORING ACCESSORIES



COMPACT PLUS WATER SWIVEL

MUD MASTER offers both gravity and pump-in systems in double and triple tube configurations. We have incorporated several product improvements to ensure you remain productive for improved locking and unlocking, shielded bearings, latch locking for up-hole drilling, and inner tube cap thread protector.

Available as side port (with hoisting bail) and top port, the MUD MASTER Compact Plus Water Swivel ensures reliability in a small package. The Compact Water Swivel is fully serviceable in the field with only a few standard tools.



COMPACT PLUS WATER SWIVEL, SPARES

Consumable wear components of the Compact Plus Water Swivel are available in a kit or as individual parts. These components are fully compatible with both top and side port swivel designs as well as with the industry leader's water swivel assembly.



WRENCHES

MUD MASTER offers Inner Tube and Outer Tube Wrenches, Gripper Pad Wrenches, Stationary Jaw Wrenches, Swing Jaw Wrenches, Particle Wrenches, and Retaining Ring Wrenches for all common sizes.

MUD MASTER also offers Pipe Wrenches in 18", 24", 36", and 48" sizes. Drill Rod Wrenches are also available upon request.

A DRILLING PRODUCT SUPPLIER YOU CAN TRUST TO ENHANCE YOUR DRILLING OPERATIONS



As a leading supplier of innovative drilling solutions, MUD MASTER has the products and supplies you need to ensure maximum productivity for your drilling operations, even in the most extreme conditions.

We've been sourcing the best and building it better since 1960 and have the knowledge and expertise to stand behind what we sell. MUD MASTER is your one-stop source for all of the following drilling consumables, backed by decades of drilling experience, fluids engineering, and customer-focused 24/7 service:

- Drill Rods
- Diamond Tools
- Core Retrieval Tools, Adapter Subs & Accessories
- Drilling Fluids & Greases

BEST-IN-CLASS DRILLING SUPPLIES & EQUIPMENT

MUD MASTER knows drilling. With over 60 years of experience serving the drilling industry, we have the drilling Supplies, Tooling, Fluids and Expertise to support your success.

WARRANTY

MUD MASTER products are warranted against defects in material and workmanship for a period of one (1) year from the date of shipment of goods. This warranty extends to the shipment of goods from an authorized distributor, provided that the distributor stores the product in a suitable facility and maintains the product in an as-purchased condition. During the warranty period, MUD MASTER will replace products that prove to be defective.

Contact MUD MASTER for additional warranty information.





B Core Retrieval System

Core Barrel Assembly, B 10ft (3.0m)

Item	Part Number	Description
100738 Core Barrel Assembly, B 10ft (3.0m)		
1	100768	Locking Coupling, BWL Conventional Tang
2	100735	Adaptor Coupling, B
3	100737	Landing Ring, B
4	100726	Outer Tube, B 10ft (3m)
5	100734	inner Tube Stabilizer, B
6	100700	Head Assembly, B Core Barrel
7	100725	Inner Tube, B 10ft (3.0m)
8	100730	Stop Ring, B
9	100731	Core Lifter, B Slotted
10	100733	Core Lifter Case, B

Core Barrel Assembly, B 5ft (1.5m)

Item	Part Number	Description
100699 Core Barrel Assembly, B 5ft (1.5m)		
1	100768	Locking Coupling, BWL Conventional Tang
2	100735	Adaptor Coupling, B
3	100737	Landing Ring, B
4	100758	Outer Tube, B 5ft (1.5m)
5	100734	inner Tube Stabilizer, B
6	100700	Head Assembly, B Core Barrel
7	100757	Inner Tube, B 5ft (1.5m)
8	100730	Stop Ring, B
9	100731	Core Lifter, B Slotted
10	100733	Core Lifter Case, B

Options and Kits, B

Item	Part Number	Description
Options and Kits, B		
1	100739	Locking Coupling, BWL Conventional No Tang
2	100736	Locking Coupling, BWL Full Hole Tang
3	100763	Locking Coupling, BWL Full Hole No Tang
4	100551	Landing Indicator Bushing without CD Groove
5	100582	Shut Off Valve, B Soft
6	101818	Solid Spindle Spacer, B
7	101821	Inner Tube Cap Assembly, B with Thread Protector
8	100708	Inner Tube Coupling, B
9	100762	Inner Tube Extension, B Stabilized (10") Reaming Shell
10	101810	Inner Tube Extension, B Double Stabilized (18") Reaming Shell
11	100732	Core Lifter, B Fluted
12	101623	Core Lifter, B Slotted, Diamond Coated
13	101624	Core Lifter, B Fluted, Diamond Coated
14	101566	Core Lifter, B Smooth
15	100644	Core Barrel Plug, B
16	101104	Gauge Assembly, Bit & Shell, B
17	100776	Outer Tube, B 10ft (3m) C/P
18	100775	Outer Tube, B 5ft (1.5m) C/P
19	100761	Inner Tube, B 10ft (10ft) C/P
20	100760	Inner Tube, B 5ft (1 5m) C/P
21	101152	Parts Pouch
22	101423	Kit, B Link to Edge Latch Conversion
23	100611	Kit, Fluid Retention B





Head Assembly, B Core Barrel

Item	Part Number	Description
	100700	Head Assembly, B Core Barrel
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100712	Spearhead Base, B
6	100701	Latch Retracting Pin, B
7	100713	Latch Retracting Case, B
8	100714	Latch Body, B Upper
9	100702	Latch Pivot Pin, B
10	100722	Latch Spring, B
11	100715	Latch, B/BU
12	100452	Stainless Steel Ball, 022mm
13	100468	Landing Indicator Bushing with OD Groove
14	100716	Landing Shoulder, B
15	100717	Latch Body, B Lower
16	100703	Lock Washer, B
17	100704	Jam Nut, B
18	100718	Spindle, B
19	100705	Shut Off Valve, B Hard
20	100706	Shut Off Washer, B
21	100707	Spindle Bearing, B
22	100719	Spindle Bushing, B
23	100709	Compression Spring, BU
24	100711	Self Locking Nut
25	100721	Inner Tube Cap Assembly, B without Thread Protector
26	100639	Thread Protector, B Inner Tube Cap



Inner Tube Cap Assembly, B without Thread Protector

Part		Description
Item Number		
100721		Inner Tube Cap Assembly, B without Thread Protector
1	100720	Inner Tube Cap Body, B
2	100461	Grease Fitting
3	100724	Stainless Steel Ball, 3/4"
4	100723	Check Valve Body, B

Inner Tube Cap Assembly, B with Thread Protector

Part		Description
Item Number		
101821		Inner Tube Cap Assembly, B with Thread Protector
1	100720	Inner Tube Cap Body, B
2	100461	Grease Fitting
3	100724	Stainless Steel Ball, 3/4"
4	100723	Check Valve Body, B
5	100639	Thread Protector, B Inner Tube Cap



Kit, Fluid Retention B

Part Item Number	Description	
100611	Kit, Fluid Retention B	
1	100452	Stainless Steel Ball, 022mm
2	100612	Bushing, Fluid Retention
3	101138	Bushing, Heavy Mud Fluid Retention
4	100630	Fluid Retention Compression Spring, B (Light)
5	100634	Fluid Retention Compression Spring, B (Medium)

Overshot Assembly, B

Item	Part Number	Description
	101169	Overshot Assembly, B
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	101157	Cable Swivel Body, B
8	101158	Jar Staff, B
9	101161	Jar Tube Assembly, B
10	101164	Locking Sleeve, B Slotted
11	101162	Hex Nut, 9/16Φ UNC
12	101163	Nord-Lock Washer, B OS
13	101809	Head Assembly, B Overshot
14	100692	Overshot Loading Fork Tool
15	100774	Overshot Loading Funnel, B



Head Assembly, B Overshot

Item	Part Number	Description
	101809	Head Assembly, B Overshot
1	101165	Overshot Head Body, B
2	100533	Set Screw, 3/8ΦUNF x 3/4ΦNYLOK
3	100888	Compression Spring, B Lifting Dog
4	100889	Lifting Dog, B
5	101166	Lifting Dog Pivot Pin, B
6	101167	Upper Sway Pin, B
7	101558	Spring Pin, 3/16" x 1_3.8"
8	101168	Pin Link, B Overshot
9	100539	Self Locking Cap Screw

Water Swivel Assembly, Compact Plus

Item	Part Number	Description
	101388	Water Swivel Assembly, Compact Plus
1	101353	Swivel Cap, Compact Plus Water Swivel
2	101354	wavy washer, Compact Plus Water Swivel
3	101355	O-Ring, Upper, Compact Plus Water Swivel
4	101356	Swivel Packing Set, Compact Plus Water Swivel
5	101357	wear Sleeve, Slotted, Compact Plus Water Swivel
6	101358	Packing Cage, Compact Plus Water Swivel
7	101359	Ball Bearing, Compact Plus Water Swivel
8	101360	Swivel Body, Upper, Compact Plus Water Swivel
9	101361	O-Ring, Lower, Compact Plus Water Swivel
10	101362	Spindle, Compact Plus water Swivel
11	101363	Thrust Bearing, Compact Plus Water Swivel
12	101364	Swivel Body, Lower, Compact Plus Water Swivel
13	100461	Grease Fitting
14	101365	Felt Seal, Compact Plus water Swivel



Kit, Water Swivel, Compact Plus

Item	Part Number	Description
	101389	Kit, Water Swivel, Compact Plus
1	101354	wavy Washer, Compact Plus water Swivel
2	101355	O-Ring, Upper, Compact Plus Water Swivel
3	101356	Swivel Packing Set, Compact Plus Water Swivel
4	101357	wear Sleeve, Slotted, Compact Plus Water Swivel
5	101359	Ball Bearing, Compact Plus Water Swivel
6	101361	O-Ring, Lower, Compact Plus Water Swivel
7	101363	Thrust Bearing, Compact Plus Water Swivel
8	101365	Felt Seal, Compact Plus Water Swivel

Gauge Assembly, Bit & Shell, B

Item	Part Number	Description
	101104	Gauge Assembly, Bit & Shell, B
1	101112	Gauge, Max New Shell, B
2	101113	Gauge, Min New Shell, B
3	101114	Gauge, Max New Bit / worn Shell, B
4	101115	Gauge, Min New Bit, B
5	101128	Hex Bolt, 1/4-20 UNC X 2" Long, Zinc Plated
6	101129	washer, 17/64" ID x 1/2" OD, Zinc Plated
7	101130	Nylock Nut, 1/4-20 UNC, Zinc Plated

Casing Advancer Assembly, BW

Item	Part Number	Description
	101940	Casing Advancer Assembly, BW
0	102003	Inner Assembly, BW
15	101942	Driver, BW Casing Advancer



Inner Assembly, BW

Item	Part Number	Description
	102003	Inner Assembly, BW
1	102004	Spearhead, BW
2	102005	Nord-Lock Washer, BW
3	102006	Release Shaft, BW
4	102007	Latch Body, BW
5	102008	Latch Shoe, BW
6	102009	Spring, BW
7	102010	Locating Pin, BW
8	102011	Stop Latch Set, BW
9	102012	Stop Latch Pin, BW
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	102013	Spacer Set, BW
13	102014	Bit Sub, BW
14	102015	Loading Sleeve, BW

Casing Advancer Assembly, NWL

Item	Part Number	Description
	101941	Casing Advancer Assembly, NWL
0	102157	Inner Assembly, N
15	101943	Driver, N w /L Casing Advancer



N Core Retrieval System

Inner Assembly, N

Item	Part Number	Description
	102157	Inner Assembly, N
1	102004	Spearhead, BW
2	102005	Nord-Lock Washer, BW
3	102006	Release Shaft, BW
4	102007	Latch Body, BW
5	102008	Latch Shoe, BW
6	102009	Spring, BW
7	102010	Locating Pin, BW
8	102011	Stop Latch Set, BW
9	102012	Stop Latch Pin, BW
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	102013	Spacer Set, BW
13	102014	Bit Sub, BW
14	102158	Loading Sleeve, N W/L

Core Barrel Assembly, N 10ft (3.0m)

Item	Part Number	Description
	100613	Core Barrel Assembly, N 10ft (3.0m)
1	100769	Locking Coupling, NWL Conventional Tang
2	100542	Adaptor Coupling, N
3	100439	Landing Ring, N
4	100545	Outer Tube, N 10ft (3m)
5	100443	Inner Tube Stabilizer, N
6	100476	Head Assembly, N/N3 Core Barrel
7	100544	Inner Tube, N 10ft (3m)
8	100417	Stop Ring, N
9	100415	Core Lifter, N Slotted
10	100416	Core Lifter Case, N



Core Barrel Assembly, N 5ft (1.5m)

Item	Part Number	Description
100621 Core Barrel Assembly, N 5ft (1.5m)		
1	100769	Locking Coupling, NWL Conventional Tang
2	100542	Adaptor Coupling, N
3	100439	Landing Ring, N
4	100588	Outer Tube, N 5ft (1.5m)
5	100443	Inner Tube Stabilizer, N
6	100476	Head Assembly, N/N3 Core Barrel
7	100587	Inner Tube, N 5ft (1.5m)
8	100417	Stop Ring, N
9	100415	Core Lifter, N Slotted
10	100416	Core Lifter Case, N

Options and Kits, N

Item	Part Number	Description
Options and Kits, N		
1	101542	Locking Coupling, NWL Conventional No Tang
2	100616	Locking Coupling, NWL Full Hole Tang
3	100741	Locking Coupling, NWL Full Hole No Tang
4	100551	Landing Indicator Bushing without CD Groove
5	100583	Shut Off Valve, N Soft
6	101819	Solid Spindle Spacer, N
7	101822	Inner Tube Cap Assembly, N with Thread Protector
8	100632	Inner Tube Coupling, N
9	100552	Inner Tube Extension, N Stabilized (10") Reaming Shell
10	100903	Inner Tube Extension, N Double Stabilized (18") Reaming Shell
11	100423	Core Lifter, N Fluted
12	100845	Core Lifter, N Slotted, Diamond Coated
13	100848	Core Lifter, N Fluted Diamond Coated
14	100418	Core Lifter, N Smooth
15	100780	Outer Tube, N 10ft (3m) C/P
16	100779	Outer Tube, N 5ft (1.5m) C/P
17	100788	Inner Tube, N 10ft (3.0m) C/P
18	100787	Inner Tube, N 5ft (1.5m) C/P
19	101152	Parts Pouch
20	100645	Core Barrel Plug, N
21	101424	Kit, N Link to Edge Latch Conversion
22	100607	Kit, Fluid Retention N/H/P
23	101105	Gauge Assembly, Bit & Shell, N



Head Assembly, N/N3 Core Barrel

Item	Part Number	Description
	100476	Head Assembly, N/N3 Core Barrel
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100464	Spearhead Base, N
6	100449	Spring Pin, 01/2" x 2" Long
7	100465	Latch Retracting Case, N
8	100466	Latch Body, N Upper
9	100451	Coiled Spring Pin, 01/2" x 1-1/2" Long
10	100450	Latch Spring, N/H/P
11	100808	Latch, N/NU
12	100469	Landing Shoulder, N
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100470	Latch Body, N Lower
16	100453	Nord-Lock Washer, N
17	100454	Lock Nut, Hex Nut 1-1/8-7 UNC 2B
18	100471	Spindle, N
19	100455	Shut Off Valve, N Hard
20	100456	Valve Adjusting Washer, N
21	100457	Bearing, B9
22	100472	Spindle Bushing, N
23	100458	Bearing, w3/4
24	100459	Compression Spring, N
25	100460	Self Locking Nut, 3/4-10 UNC 2B
26	100475	Inner Tube Cap Assembly, N without Thread Protector
27	100602	Thread Protector, N Inner Tube Cap



Inner Tube Cap Assembly, N without Thread Protector

Item	Part Number	Description
	100475	Inner Tube Cap Assembly, N without Thread Protector
1	100473	Inner Tube Cap Body, N
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P

Inner Tube Cap Assembly, N with Thread Protector

Item	Part Number	Description
	101822	Inner Tube Cap Assembly, N with Thread Protector
1	100473	Inner Tube Cap Body, N
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P
5	100602	Thread Protector, N Inner Tube Cap

Conversion Assembly, N Core Barrel Head

Item	Part Number	Description
	100883	Conversion Assembly, N Core Barrel Head
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100464	Spearhead Base, N
6	100449	Spring Pin, 01/2" x 2" Long
7	100465	Latch Retracting Case, N
8	100466	Latch Body, N Upper
9	100451	Coiled Spring Pin, 01/2" x 1-1/2" Long
10	100450	Latch Spring, N/H/P
11	100808	Latch, N/NU
12	100469	Landing Shoulder, N
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100470	Latch Body, N Lower
16	100453	Nord-Lock Washer, N



N Core Retrieval System

Kit, Fluid Retention N/H/P

Item	Part Number	Description
	100607	Kit, Fluid Retention N/H/P
1	100452	Stainless Steel Ball, 022mm
2	100612	Bushing, Fluid Retention
3	101138	Bushing, Heavy Mud Fluid Retention
4	100608	Fluid Retention Compression Spring, N/H/P Light (Green)
5	100609	Fluid Retention Compression Spring, N/H/P Medium (Blue)
6	100610	Fluid Retention Compression Spring, N/H/P Heavy (Red)

Overshot Assembly, N

Item	Part Number	Description
	100517	Overshot Assembly, N
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100523	Cable Swivel Body, N/H/P
8	100524	Jar Staff, N/H/P
9	100525	Jar Tube Assembly, N/H/P
10	100534	Locking Sleeve, N/H/P Slotted
11	100526	Hex Nut, 3/4ΦUNC
12	100527	Nord-Lock Washer, N/H/P OS
13	100604	Head Assembly, N Overshot
14	100692	Overshot Loading Fork Tool
15	100689	Overshot Loading Funnel, N



Head Assembly, N Overshot

Item	Part Number	Description
	100604	Head Assembly, N Overshot
1	100528	Overshot Head Body, N
2	100533	Set Screw, 3/8ΦUNF x 3/4ΦNYLOK
3	100529	Lifting Dog Compression Spring, N/H/P
4	100530	Lifting Dog, N/H/P
5	100531	Lifting Dog Pivot Pin, N/H
6	100532	Sway Pin, N/H
7	100535	Pin Link, N/H/P Overshot
8	100539	Self Locking Cap Screw

Overshot Assembly, N Rolling

Item	Part Number	Description
	100635	Overshot Assembly, N Rolling
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100628	Roller Wheel, N
8	100631	Spring Pin, 03/8" x 1-1/2" Long
9	100638	Cable Swivel Roller Body, NH
10	100524	Jar Staff, N/H/P
11	100525	Jar Tube Assembly, N/H/P
12	100526	Hex Nut, 3/4ΦUNC
13	100527	Nord-Lock washer, N/H/P OS
14	100637	Roller Body, NH Lower
15	100604	Head Assembly, N Overshot
16	100692	Overshot Loading Fork Tool
17	100689	Overshot Loading Funnel, N



Water Swivel Assembly, Compact Plus

Item	Part Number	Description
101388 Water Swivel Assembly, Compact Plus		
1	101353	Swivel Cap, Compact Plus Water Swivel
2	101354	wavy Washer, Compact Plus Water Swivel
3	101355	O-Ring, Upper, Compact Plus Water Swivel
4	101356	Swivel Packing Set, Compact Plus Water Swivel
5	101357	wear Sleeve, Slotted, Compact Plus Water Swivel
6	101358	Packing Cage, Compact Plus Water Swivel
7	101359	Ball Bearing, Compact Plus water Swivel
8	101360	Swivel Body, Upper, Compact Plus Water Swivel
9	101361	O-Ring, Lower, Compact Plus Water Swivel
10	101362	Spindle, Compact Plus Water Swivel
11	101363	Thrust Bearing, Compact Plus Water Swivel
12	101364	Swivel Body, Lower, Compact Plus water Swivel
13	100461	Grease Fitting
14	101365	Felt Seal, Compact Plus Water Swivel

Kit, Water Swivel, Compact Plus

Item	Part Number	Description
101389 Kit, Water Swivel, Compact Plus		
1	101354	wavy Washer, Compact Plus Water Swivel
2	101355	O-Ring, Upper, Compact Plus water Swivel
3	101356	Swivel Packing Set, Compact Plus Water Swivel
4	101357	wear Sleeve, Slotted, Compact Plus Water Swivel
5	101359	Ball Bearing, Compact Plus water Swivel
6	101361	O-Ring, Lower, Compact Plus Water Swivel
7	101363	Thrust Bearing, Compact Plus Water Swivel
8	101365	Felt Seal, Compact Plus water Swivel



Gauge Assembly, Bit & Shell, N

Item	Part Number	Description
101105 Gauge Assembly, Bit & Shell, N		
1	101116	Gauge, Max New Shell, N
2	101117	Gauge, Min New Shell, N
3	101118	Gauge, Max New Bit / worn Shell, N
4	101119	Gauge, Min New Bit, N
5	101128	Hex Bolt, 1/4-20 UNC X 2" Long, Zinc Plated
6	101129	washer, 17/64" ID x 1/2" OD, Zinc Plated
7	101130	Nylock Nut, 1/4-20 UNC, Zinc Plated

OD Gauge Assembly, Drill Rod N

Item	Part Number	Description
101087 OD Gauge Assembly, Drill Rod N		
1	101085	OD Gauge, N Drill Rod New
2	101057	OD Gauge, N Drill Rod Wear
3	101084	Lock Nut, OD Gauge
4	101083	Flat Washer, OD Gauge
5	101082	Hex Bolt, OD Gauge

Wrench Assembly, N Inner Tube Particle

Item	Part Number	Description
100916 Wrench Assembly, N Inner Tube Particle		
1	100917	wrench Handle, N Inner Tube
2	100918	Stationary Jaw, N Inner Tube wrench
3	100919	Swing Jaw, N Inner Tube wrench
4	100920	Pin, N Inner Tube wrench
5	100921	Retaining Ring, N Inner Tube wrench



Casing Advancer Assembly, NW

Item	Part Number	Description
	101938	Casing Advancer Assembly, NW
0	102001	Inner Assembly, NW Casing
15	101939	Driver, NW Casing Advancer

Inner Assembly, NW Casing

Item	Part Number	Description
	102001	Inner Assembly, NW Casing
1	101876	Spearhead, NW/HW/HWT/PW/PWT
2	100453	Nord-Lock Washer, N
3	101878	Release Shaft, NW/HW/HWT/PW/PWT
4	101879	Latch Body, NW/HWL
5	101881	Latch Shoe, NW/HWL
6	101883	Spring, NW/HW/HWT/PW/PWT
7	101884	Locating Pin, NW/HW/HWT/PW/PWT
8	101885	Stop Latch Set, NW/HWL
9	101887	Stop Latch Pin, NW/HWL
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	101891	Spacer Set, NW/HWL
13	101893	Bit Sub, NW/HWL
14	101895	Loading Sleeve, NW

Casing Advancer Assembly, HWL

Item	Part Number	Description
	101869	Casing Advancer Assembly, HWL
0	101875	Inner Assembly, HWL
15	101897	Driver, HWL Casing Advancer



Inner Assembly, HWL

Item	Part Number	Description
	101875	Inner Assembly, HWL
1	101876	Spearhead, NW/HW/HWT/PW/PWT
2	100453	Nord-Lock washer, N
3	101878	Release Shaft, NW/HW/HWT/PW/PWT
4	101879	Latch Body, NW/HWL
5	101881	Latch Shoe, NW/HWL
6	101883	Spring, NW/HW/HWT/PW/PWT
7	101884	Locating Pin, NW/HW/HWT/PW/PWT
8	101885	Stop Latch Set, NW/HWL
9	101887	Stop Latch Pin, NW/HWL
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	101891	Spacer Set, NW/HWL
13	101893	Bit Sub, NW/HWL
14	102107	Loading Sleeve, H W/L



N3 Core Retrieval System

Core Barrel Assembly, N3 10ft (3.0m)

Item	Part Number	Description
101790 Core Barrel Assembly, N3 10ft (3.0m)		
1	100769	Locking Coupling, NWL Conventional Tang
2	100542	Adaptor Coupling, N
3	100439	Landing Ring, N
4	100545	Outer Tube, N 10ft (3m)
5	100443	inner Tube Stabilizer, N
6	100476	Head Assembly, N/N3 Core Barrel
7	100544	Inner Tube, N 10ft (3m)
8	101787	Stop Ring, N3
9	101780	Core Lifter, N3 Fluted
10	101144	Core Lifter Case, N3
11	101794	Pump-Out Adaptor, N3
12	101370	Piston Plug, N3/H3/P3
13	101381	O-Ring, N3, #223 Nitrile Rubber
14	101380	Core Ejection Piston, N3
15	101366	Split Tube, N3 10ft (3m) (Set of 2 pcs)

Core Barrel Assembly, N3 5ft (1.5m)

Item	Part Number	Description
101791 Core Barrel Assembly, N3 5ft (1.5m)		
1	100769	Locking Coupling, NWL Conventional Tang
2	100542	Adaptor Coupling, N
3	100439	Landing Ring, N
4	100588	Outer Tube, N 5ft (1.5m)
5	100443	Inner Tube Stabilizer, N
6	100476	Head Assembly, N/N3 Core Barrel
7	100587	Inner Tube, N 5ft (1.5m)
8	101787	Stop Ring, N3
9	101780	Core Lifter, N3 Fluted
10	101144	Core Lifter Case, N3
11	101794	Pump-Out Adaptor, N3
12	101370	Piston Plug, N3/H3/P3
13	101381	O-Ring, N3, #223 Nitrile Rubber
14	101380	Core Ejection Piston, N3
15	101711	Split Tube, N3 5ft (1.5m) (Set of 2 pcs)



Head Assembly, N/N3 Core Barrel

Item	Part Number	Description
	100476	Head Assembly, N/N3 Core Barrel
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100464	Spearhead Base, N
6	100449	Spring Pin, 01/2" x 2" Long
7	100465	Latch Retracting Case, N
8	100466	Latch Body, N Upper
9	100451	Coiled Spring Pin, 01/2" x 1-1/2" Long
10	100450	Latch Spring, N/H/P
11	100808	Latch, N/NU
12	100469	Landing Shoulder, N
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100470	Latch Body, N Lower
16	100453	Nord-Lock Washer, N
17	100454	Lock Nut, Hex Nut 1-1/8-7 UNC 2B
18	100471	Spindle, N
19	100455	Shut Off Valve, N Hard
20	100456	Valve Adjusting Washer, N
21	100457	Bearing, B9
22	100472	Spindle Bushing, N
23	100458	Bearing, W3/4
24	100459	Compression Spring, N
25	100460	Self Locking Nut, 3/4-10 UNC 2B
26	100475	Inner Tube Cap Assembly, N without Thread Protector
27	100602	Thread Protector, N Inner Tube Cap

Inner Tube Cap Assembly, N without Thread Protector

Item	Part Number	Description
	100475	Inner Tube Cap Assembly, N without Thread Protector
1	100473	Inner Tube Cap Body, N
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P



Inner Tube Cap Assembly, N with Thread Protector

Item	Part Number	Description
	101822	Inner Tube Cap Assembly, N with Thread Protector
1	100473	Inner Tube Cap Body, N
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P
5	100602	Thread Protector, N Inner Tube Cap

Conversion Assembly, N Core Barrel Head

Item	Part Number	Description
	100883	Conversion Assembly, N Core Barrel Head
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100464	Spearhead Base, N
6	100449	Spring Pin, 01/2" x 2" Long
7	100465	Latch Retracting Case, N
8	100466	Latch Body, N Upper
9	100451	Coiled Spring Pin, 01/2" x 1-1/2" Long
10	100450	Latch Spring, N/H/P
11	100808	Latch, N/NU
12	100469	Landing Shoulder, N
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100470	Latch Body, N Lower
16	100453	Nord-Lock Washer, N



Kit, Fluid Retention N/H/P

Item	Part Number	Description
	100607	Kit, Fluid Retention N/H/P
1	100452	Stainless Steel Ball, 022mm
2	100612	Bushing, Fluid Retention
3	101138	Bushing, Heavy Mud Fluid Retention
4	100608	Fluid Retention Compression Spring, N/H/P Light (Green)
5	100609	Fluid Retention Compression Spring, N/H/P Medium (Blue)
6	100610	Fluid Retention Compression Spring, N/H/P Heavy (Red)

Overshot Assembly, N

Item	Part Number	Description
	100517	Overshot Assembly, N
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100523	Cable Swivel Body, N/H/P
8	100524	Jar Staff, N/H/P
9	100525	Jar Tube Assembly, N/H/P
10	100534	Locking Sleeve, N/H/P Slotted
11	100526	Hex Nut, 3/4ΦUNC
12	100527	Nord-Lock Washer, N/H/P OS
13	100604	Head Assembly, N Overshot
14	100692	Overshot Loading Fork Tool
15	100689	Overshot Loading Funnel, N



N3 Core Retrieval System

Head Assembly, N Overshot

Item	Part Number	Description
	100604	Head Assembly, N Overshot
1	100528	Overshot Head Body, N
2	100533	Set Screw, 3/8ΦUNF x 3/4ΦNYLOK
3	100529	Lifting Dog Compression Spring, N/H/P
4	100530	Lifting Dog, N/H/P
5	100531	Lifting Dog Pivot Pin, N/H
6	100532	Sway Pin, N/H
7	100535	Pin Link, N/H/P Overshot
8	100539	Self Locking Cap Screw

Overshot Assembly, N Rolling

Item	Part Number	Description
	100635	Overshot Assembly, N Rolling
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100628	Roller wheel, N
8	100631	Spring Pin, 03/8" x 1-1/2" Long
9	100638	Cable Swivel Roller Body, NH
10	100524	Jar Staff, N/H/P
11	100525	Jar Tube Assembly, N/H/P
12	100526	Hex Nut, 3/4ΦUNC
13	100527	Nord-Lock washer, N/H/P OS
14	100637	Roller Body, NH Lower
15	100604	Head Assembly, N Overshot
16	100692	Overshot Loading Fork Tool
17	100689	Overshot Loading Funnel, N



Water Swivel Assembly, Compact Plus

Item	Part Number	Description
101388 Water Swivel Assembly, Compact Plus		
1	101353	Swivel Cap, Compact Plus Water Swivel
2	101354	wavy washer, Compact Plus Water Swivel
3	101355	O-Ring, Upper, Compact Plus water Swivel
4	101356	Swivel Packing Set, Compact Plus water Swivel
5	101357	wear Sleeve, Slotted, Compact Plus Water Swivel
6	101358	Packing Cage, Compact Plus Water Swivel
7	101359	Ball Bearing, Compact Plus Water Swivel
8	101360	Swivel Body, Upper, Compact Plus Water Swivel
9	101361	O-Ring, Lower, Compact Plus Water Swivel
10	101362	Spindle, Compact Plus Water Swivel
11	101363	Thrust Bearing, Compact Plus Water Swivel
12	101364	Swivel Body, Lower, Compact Plus water Swivel
13	100461	Grease Fitting
14	101365	Felt Seal, Compact Plus Water Swivel

Kit, Water Swivel, Compact Plus

Item	Part Number	Description
101389 Kit, Water Swivel, Compact Plus		
1	101354	wavy Washer, Compact Plus Water Swivel
2	101355	O-Ring, Upper, Compact Plus water Swivel
3	101356	Swivel Packing Set, Compact Plus water Swivel
4	101357	wear Sleeve, Slotted, Compact Plus Water Swivel
5	101359	Ball Bearing, Compact Plus Water Swivel
6	101361	O-Ring, Lower, Compact Plus Water Swivel
7	101363	Thrust Bearing, Compact Plus Water Swivel
8	101365	Felt Seal, Compact Plus Water Swivel



OD Gauge Assembly, Drill Rod N

Item	Part Number	Description
101087 OD Gauge Assembly, Drill Rod N		
1	101085	OD Gauge, N Drill Rod New
2	101057	OD Gauge, N Drill Rod wear
3	101084	Lock Nut, OD Gauge
4	101083	Flat Washer, OD Gauge
5	101082	Hex Bolt, OD Gauge

Gauge Assembly, Bit & Shell, N

Item	Part Number	Description
101105 Gauge Assembly, Bit & Shell, N		
1	101116	Gauge, Max New Shell, N
2	101117	Gauge, Min New Shell, N
3	101118	Gauge, Max New Bit / Worn Shell, N
4	101119	Gauge, Min New Bit, N
5	101128	Hex Bolt, 1/4-20 UNC X 2" Long, Zinc Plated
6	101129	Washer, 17/64" ID x 1/2" OD, Zinc Plated
7	101130	Nylock Nut, 1/4-20 UNC, Zinc Plated

Wrench Assembly, N Inner Tube Particle

Item	Part Number	Description
100916 Wrench Assembly, N Inner Tube Particle		
1	100917	Wrench Handle, N Inner Tube
2	100918	Stationary Jaw, N Inner Tube Wrench
3	100919	Swing Jaw, N Inner Tube Wrench
4	100920	Pin, N Inner Tube Wrench
5	100921	Retaining Ring, N Inner Tube Wrench



Core Barrel Assembly NU 10ft (3.0m)

Item	Part Number	Description
	100795	Core Barrel Assembly NU 10ft (3.0m)
1	101542	Locking Coupling, NWL Conventional No Tang
2	100766	Drive Coupling, NU
3	100439	Landing Ring, N
4	100545	Outer Tube, N 10ft (3m)
5	100443	Inner Tube Stabilizer, N
6	100791	Head Assembly, NU Core Barrel
7	100544	Inner Tube, N 10ft (3m)
8	100417	Stop Ring, N
9	100415	Core Lifter, N Slotted
10	100416	Core Lifter Case, N

Core Barrel Assembly NU 5ft (1.5m)

Item	Part Number	Description
	100794	Core Barrel Assembly NU 5ft (1.5m)
1	101542	Locking Coupling, NWL Conventional No Tang
2	100766	Drive Coupling, NU
3	100439	Landing Ring, N
4	100588	Outer Tube, N 5ft (1,5m)
5	100443	Inner Tube Stabilizer, N
6	100791	Head Assembly, NU Core Barrel
7	100587	Inner Tube, N 5ft (1.5m)
8	100417	Stop Ring, N
9	100415	Core Lifter, N Slotted
10	100416	Core Lifter Case, N



Options and Kits, NU

Item	Part Number	Description
Options and Kits, NU		
1	100741	Locking Coupling, NWL Full Hole No Tang
2	100551	Landing Indicator Bushing without OD Groove
3	100583	Shut Off Valve, N Soft
4	101819	Solid Spindle Spacer, N
5	101822	Inner Tube Cap Assembly, N with Thread Protector
6	100632	Inner Tube Coupling, N
7	100552	Inner Tube Extension, N Stabilized (10") Reaming Shell
8	100903	Inner Tube Extension, N Double Stabilized (18") Reaming Shell
9	100423	Core Lifter, N Fluted
10	100845	Core Lifter, N Slotted, Diamond Coated
11	100848	Core Lifter, N Fluted Diamond Coated
12	100418	Core Lifter, N Smooth
13	100645	Core Barrel Plug, N
14	101105	Gauge Assembly, Bit & Shell, N
15	100780	Outer Tube, N 10ft (3m) C/P
16	100779	Outer Tube, N 5ft (1.5m) C/P
17	100788	Inner Tube, N 10ft (3.0m) C/P
18	100787	Inner Tube, N 5ft (1.5m) C/P
19	101152	Parts Pouch
20	100607	Kit, Fluid Retention N/H/P
21	102452	Quick Coupler Female #16 NPT 1"



Head Assembly, NU Core Barrel

Item	Part Number	Description
	100791	Head Assembly, NU Core Barrel
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100796	Spearhead Base, NU
6	100798	Latch Locking Spring, NU
7	100805	Latch Locking Pin, NU
8	100449	Spring Pin, 01/2" x 2" Long
9	100797	Latch Retracting Case, NU
10	100807	Spring Pin, NU
11	100804	Latch Body, NU Upper
12	100451	Coiled Spring Pin, 01/2" x 1-1/2" Long
13	100450	Latch Spring, N/H/P
14	100808	Latch, N/NU
15	100827	Spring Seat, BU/NU
16	100801	Latch Retracting Case Compression Spring, BU/NU
17	100826	Spring Sleeve, BU/NU
18	100828	Spring Cavity Bushing, BU/NU
19	100809	Latch Body Adaptor, NU
20	100764	Pump In Seal, NU
21	100810	Seal Seat, NU
22	100452	Stainless Steel Ball, 022mm
23	100468	Landing Indicator Bushing with OD Groove
24	100469	Landing Shoulder, N
25	100470	Latch Body, N Lower
26	100453	Nord-Lock Washer, N
27	100454	Lock Nut, Hex Nut 1-1/8-7 UNC 2B
28	100471	Spindle, N
29	100455	Shut Off Valve, N Hard
30	100456	Valve Adjusting Washer, N
31	100457	Bearing, B9
32	100472	Spindle Bushing, N
33	100458	Bearing, w3/4
34	100459	Compression Spring, N
35	100460	Self Locking Nut, 3/4-10 UNC 2B
36	100475	Inner Tube Cap Assembly, N without Thread Protector
37	100602	Thread Protector, N Inner Tube Cap



Inner Tube Cap Assembly, N without Thread Protector

Item	Part Number	Description
	100475	Inner Tube Cap Assembly, N without Thread Protector
1	100473	Inner Tube Cap Body, N
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P

Inner Tube Cap Assembly, N with Thread Protector

Item	Part Number	Description
	101822	Inner Tube Cap Assembly, N with Thread Protector
1	100473	Inner Tube Cap Body, N
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P
5	100602	Thread Protector, N Inner Tube Cap

Loading Chamber Assembly, NU

Item	Part Number	Description
	100909	Loading Chamber Assembly, NU
1	100910	Packing Plug
2	100911	Cable Guide Washer
3	100912	Cable Packing, Loading Chamber Assembly
4	100913	Quick Coupler, Male #16 NPT 1"
5	100914	Loading Chamber Body, NU

Water Swivel Assembly, Compact Plus, Top Port

Item	Part Number	Description
	101865	Water Swivel Assembly, Compact Plus, Top Port
1	101864	Swivel Cap, Top Port
2	101354	wavy Washer, Compact Plus Water Swivel
3	101365	Felt Seal, Compact Plus Water Swivel
4	101356	Swivel Packing Set, Compact Plus Water Swivel
5	101357	wear Sleeve, Slotted, Compact Plus Water Swivel
6	101358	Packing Cage, Compact Plus water Swivel
7	101359	Ball Bearing, Compact Plus water Swivel
8	101360	Swivel Body, Upper, Compact Plus water Swivel
9	101361	O-Ring, Lower, Compact Plus water Swivel
10	101362	Spindle, Compact Plus water Swivel
11	101363	Thrust Bearing, Compact Plus water Swivel
12	101364	Swivel Body, Lower, Compact Plus water Swivel
13	100461	Grease Fitting
14	101365	Felt Seal, Compact Plus water Swivel



Overshot Assembly, NU

Item	Part Number	Description
	100842	Overshot Assembly, NU
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100836	Cable Swivel Body
8	100838	Shear Pin
9	100837	Upper Body, NU
10	100764	Pump In Seal, NU
11	100810	Seal Seat, NU
12	100452	Stainless Steel Ball, 022mm
13	100468	Landing Indicator Bushing with CD Groove
14	100839	Overshot Head Body, NU
15	100529	Lifting Dog Compression Spring, N/H/P
16	100840	Overshot Pivot Pin, NU
17	100841	Spring Pin 01/4" x 1-3/4"
18	100530	Lifting Dog, N/H/P

Kit, Water Swivel, Compact Plus

Item	Part Number	Description
	101389	Kit, Water Swivel, Compact Plus
1	101354	Wavy Washer, Compact Plus Water Swivel
2	101355	O-Ring, Upper, Compact Plus Water Swivel
3	101356	Swivel Packing Set, Compact Plus Water Swivel
4	101357	wear Sleeve, Slotted, Compact Plus water Swivel
5	101359	Ball Bearing, Compact Plus Water Swivel
6	101361	O-Ring, Lower, Compact Plus water Swivel
7	101363	Thrust Bearing, Compact Plus water Swivel
8	101365	Felt Seal, Compact Plus water Swivel



Gauge Assembly, Bit & Shell, N

Item	Part Number	Description
	101105	Gauge Assembly, Bit & Shell, N
1	101116	Gauge, Max New Shell, N
2	101117	Gauge, Min New Shell, N
3	101118	Gauge, Max New Bit / worn Shell, N
4	101119	Gauge, Min New Bit, N
5	101128	Hex Bolt, 1/4-20 UNC X 2" Long, Zinc Plated
6	101129	Washer, 17/64" ID x 1/2" OD, Zinc Plated
7	101130	Nylock Nut, 1/4-20 UNC, Zinc Plated

OD Gauge Assembly, Drill Rod N

Item	Part Number	Description
	101087	OD Gauge Assembly, Drill Rod N
1	101085	OD Gauge, N Drill Rod New
2	101057	OD Gauge, N Drill Rod Wear
3	101084	Lock Nut, OD Gauge
4	101083	Flat Washer, OD Gauge
5	101082	Hex Bolt, OD Gauge

Wrench Assembly, N Inner Tube Particle

Item	Part Number	Description
	100916	Wrench Assembly, N Inner Tube Particle
1	100917	wrench Handle, N Inner Tube
2	100918	Stationary Jaw, N Inner Tube Wrench
3	100919	Swing Jaw, N Inner Tube Wrench
4	100920	Pin, N Inner Tube Wrench
5	100921	Retaining Ring, N Inner Tube Wrench



Core Barrel Assembly, H 10ft (3.0m)

Item	Part Number	Description
101439 Core Barrel Assembly, H 10ft (3.0m)		
1	100770	Locking Coupling, HWL Conventional Tang
2	100586	Adaptor Coupling, H
3	100441	Landing Ring, H
4	100547	Outer Tube, H 10ft (3m)
5	100445	Inner Tube Stabilizer, H
6	101407	Head Assembly, H Core Barrel
7	100546	Inner Tube, H 10ft (3m)
8	100435	Stop Ring, H
9	100419	Core Lifter, H Slotted
10	100430	Core Lifter Case, H

Core Barrel Assembly, H 5ft (1.5m)

Item	Part Number	Description
101440 Core Barrel Assembly, H 5ft (1.5m)		
1	100770	Locking Coupling, HWL Conventional Tang
2	100586	Adaptor Coupling, H
3	100441	Landing Ring, H
4	100590	Outer Tube, H 5ft (1.5m)
5	100445	Inner Tube Stabilizer, H
6	101407	Head Assembly, H Core Barrel
7	100589	Inner Tube, H 5ft (1.5m)
8	100435	Stop Ring, H
9	100419	Core Lifter, H Slotted
10	100430	Core Lifter Case, H



Options and Kits, H

Item	Part Number	Description
Options and Kits, H		
1	100742	Locking Coupling, HWL Conventional No Tang
2	100620	Locking Coupling, HWL Full Hole Tang
3	100773	Locking Coupling, HWL Full Hole No Tang
4	100551	Landing Indicator Bushing without CD Groove
5	100584	Shut Off Valve, H Soft
6	101435	Solid Spindle Spacer, H
7	101823	Inner Tube Cap Assembly, H with Thread Protector
8	100633	Inner Tube Coupling, H
9	100664	Inner Tube Extension, H Stabilized (10") Reaming Shell
10	100426	Core Lifter, H Fluted
11	100847	Core Lifter, H Slotted Diamond Coated
12	100850	Core Lifter, H Fluted, Diamond Coated
13	101567	Core Lifter, H Smooth
14	100646	Core Barrel Plug, H
15	101106	Gauge Assembly, Bit & Shell, H
16	101425	Kit, H Link to Edge Latch Conversion
17	101152	Parts Pouch



Head Assembly, H Core Barrel

Item	Part Number	Description
	101407	Head Assembly, H Core Barrel
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100493	Spearhead Base, HP
6	100483	Spring Pin, 01/2" x 2-3/4" Long
7	101394	Latch Retracting Case, HP
8	101395	Latch Body, HP Upper
9	100484	Coiled Spring Pin, 01/2" x 2" Long
10	100450	Latch Spring, N/H/P
11	100496	Latch, H
12	100497	Landing Shoulder, H
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100498	Latch Body, HP Lower
16	100485	Nord-Lock Washer, H
17	100486	Jam Nut, 1-1/4-7UNC2B
18	100499	Spindle, HP
19	100487	Shut Off Valve, H Hard
20	100488	Valve Adjusting Washer, H
21	100489	Bearing, B13
22	100500	Spindle Bushing, H
23	100457	Bearing, B9
24	100491	Compression Spring, H
25	100492	Self Locking Nut
26	100502	Inner Tube Cap Assembly, H without Thread Protector
27	100603	Thread Protector, H Inner Tube Cap



H Core Retrieval System

Inner Tube Cap Assembly, H without Thread Protector

Part Item Number	Description	
100502	Inner Tube Cap Assembly, H without Thread Protector	
1	100501	Inner Tube Cap Body, H
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P

Inner Tube Cap Assembly, H with Thread Protector

Part Item Number	Description	
101823	Inner Tube Cap Assembly, H with Thread Protector	
1	100501	Inner Tube Cap Body, H
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P
5	100603	Thread Protector, H Inner Tube Cap

Kit, Fluid Retention N/H/P

Item	Part Number	Description
	100607	Kit, Fluid Retention N/H/P
1	100452	Stainless Steel Ball, 022mm
2	100612	Bushing, Fluid Retention
3	101138	Bushing, Heavy Mud Fluid Retention
4	100608	Fluid Retention Compression Spring, N/H/P Light (Green)
5	100609	Fluid Retention Compression Spring, N/H/P Medium (Blue)
6	100610	Fluid Retention Compression Spring, N/H/P Heavy (Red)



Conversion Assembly, H Core Barrel Head

Item	Part Number	Description
	100898	Conversion Assembly, H Core Barrel Head
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100493	Spearhead Base, HP
6	100483	Spring Pin, 01/2" x 2-3/4" Long
7	101394	Latch Retracting Case, HP
8	101395	Latch Body, HP Upper
9	100484	Coiled Spring Pin, 01/2" x 2" Long
10	100450	Latch Spring, N/H/P
11	100496	Latch, H
12	100497	Landing Shoulder, H
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100498	Latch Body, HP Lower
16	100485	Nord-Lock washer, H

Overshot Assembly, H

Item	Part Number	Description
	100557	Overshot Assembly, H
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100523	Cable Swivel Body, N/H/P
8	100524	Jar Staff, N/H/P
9	100525	Jar Tube Assembly, N/H/P
10	100534	Locking Sleeve, N/H/P Slotted
11	100526	Hex Nut, 3/4ΦUNC
12	100527	Nord-Lock washer, N/H/P OS
13	100605	Head Assembly, H Overshot
14	100692	Overshot Loading Fork Tool
15	100690	Overshot Loading Funnel, H



Head Assembly, H Overshot

Item	Part Number	Description
	100605	Head Assembly, H Overshot
1	100536	Overshot Head Body, H
2	100533	Set Screw, 3/8ΦUNF x 3/4ΦNYLOK
3	100529	Lifting Dog Compression Spring, N/H/P
4	100530	Lifting Dog, N/H/P
5	100531	Lifting Dog Pivot Pin, N/H
6	100532	Sway Pin, N/H
7	100535	Pin Link, N/H/P Overshot
8	100539	Self Locking Cap Screw

Overshot Assembly, H Rolling

Item	Part Number	Description
	100636	Overshot Assembly, H Rolling
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100629	Roller Wheel, H
8	100631	Spring Pin, 03/8" x 1-1/2" Long
9	100638	Cable Swivel Roller Body, NH
10	100524	Jar Staff, N/H/P
11	100525	Jar Tube Assembly, N/H/P
12	100526	Hex Nut, 3/4ΦUNC
13	100527	Nord-Lock Washer, N/H/P OS
14	100637	Roller Body, NH Lower
15	100605	Head Assembly, H Overshot
16	100692	Overshot Loading Fork Tool
17	100690	Overshot Loading Funnel, H



Water Swivel Assembly, Compact Plus

Item	Part Number	Description
	101388	Water Swivel Assembly, Compact Plus
1	101353	Swivel Cap, Compact Plus Water Swivel
2	101354	Wavy Washer, Compact Plus Water Swivel
3	101355	O-Ring, Upper, Compact Plus Water Swivel
4	101356	Swivel Packing Set, Compact Plus Water Swivel
5	101357	Wear Sleeve, Slotted, Compact Plus Water Swivel
6	101358	Packing Cage, Compact Plus Water Swivel
7	101359	Ball Bearing, Compact Plus Water Swivel
8	101360	Swivel Body, Upper, Compact Plus Water Swivel
9	101361	O-Ring, Lower, Compact Plus Water Swivel
10	101362	Spindle, Compact Plus Water Swivel
11	101363	Thrust Bearing, Compact Plus Water Swivel
12	101364	Swivel Body, Lower, Compact Plus Water Swivel
13	100461	Grease Fitting
14	101365	Felt Seal, Compact Plus Water Swivel

Kit, Water Swivel, Compact Plus

Item	Part Number	Description
	101389	Kit, Water Swivel, Compact Plus
1	101354	Wavy Washer, Compact Plus Water Swivel
2	101355	O-Ring, Upper, Compact Plus Water Swivel
3	101356	Swivel Packing Set, Compact Plus Water Swivel
4	101357	Wear Sleeve, Slotted, Compact Plus Water Swivel
5	101359	Ball Bearing, Compact Plus Water Swivel
6	101361	O-Ring, Lower, Compact Plus Water Swivel
7	101363	Thrust Bearing, Compact Plus Water Swivel
8	101365	Felt Seal, Compact Plus Water Swivel



Gauge Assembly, Bit & Shell, H

Item	Part Number	Description
	101106	Gauge Assembly, Bit & Shell, H
1	101120	Gauge, Max New Shell, H
2	101121	Gauge, Min New Shell, H
3	101122	Gauge, Max New Bit / Worn Shell, H
4	101123	Gauge, Min New Bit, H
5	101128	Hex Bolt, 1/4-20 UNC X 2" Long, Zinc Plated
6	101129	Washer, 17/64" ID x 1/2" OD, Zinc Plated
7	101130	Nylock Nut, 1/4-20 UNC, Zinc Plated

OD Gauge Assembly, Drill Rod H

Item	Part Number	Description
	101088	OD Gauge Assembly, Drill Rod H
1	101086	OD Gauge, Drill Rod New H
2	101058	OD Gauge, Drill Rod Wear H
3	101084	Lock Nut, OD Gauge
4	101083	Flat Washer, OD Gauge
5	101082	Hex Bolt, OD Gauge

Kit, H Edge Latch

Item	Part Number	Description
	101148	Kit, H Edge Latch
1	100496	Latch, H
2	100450	Latch Spring, N/H/P
3	100483	Spring Pin, 01/2" x 2-3/4" Long
4	101150	Cap Screw, H Hex Head
5	101151	Nut, Hex
6	101152	Parts Pouch



Wrench Assembly, H Inner Tube (N Outer Tube) Gripper Pads

Item	Part Number	Description
	101386	Wrench Assembly, H Inner Tube (N Outer Tube) Gripper Pads
1	101755	Wrench Handle, H Inner Tube
2	101756	Stationary Jaw, H Inner Tube Wrench
3	101757	Swing Jaw, H Inner Tube Wrench
4	101758	Pin, H Inner Tube Wrench
5	101759	Retaining Ring, H Inner Tube Wrench

Casing Advancer Assembly, HW

Item	Part Number	Description
	102168	Casing Advancer Assembly, HW
0	102170	Inner Assembly, HW
15	102174	Driver, HW Casing Advancer

Inner Assembly, HW

Item	Part Number	Description
	102170	Inner Assembly, HW
1	101876	Spearhead, NW/HW/HWT/PW/PWT
2	100453	Nord-Lock Washer, N
3	101878	Release Shaft, NW/HW/HWT/PW/PWT
4	101880	Latch Body, HWT
5	101882	Latch Shoe, HWT
6	101883	Spring, NW/HW/HWT/PW/PWT
7	101884	Locating Pin, NW/HW/HWT/PW/PWT
8	101886	Stop Latch Set, HWT
9	101888	Stop Latch Pin, HWT
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	101892	Spacer Set, HWT
13	101894	Bit Sub, HWT
14	102172	Casing Advancer Loading Funnel, HW



Casing Advancer Assembly, HWT

Item	Part Number	Description
	101868	Casing Advancer Assembly, HWT
0	101874	Inner Assembly, HWT CSG
15	101898	Driver, HWT Casing Advancer

Inner Assembly, HWT CSG

Item	Part Number	Description
	101874	Inner Assembly, HWT CSG
1	101876	Spearhead, NW/HW/HWT/PW/PWT
2	100453	Nord-Lock Washer, N
3	101878	Release Shaft, NW/HW/HWT/PW/PWT
4	101880	Latch Body, HWT
5	101882	Latch Shoe, HWT
6	101883	Spring, NW/HW/HWT/PW/PWT
7	101884	Locating Pin, NW/HW/HWT/PW/PWT
8	101886	Stop Latch Set, HWT
9	101888	Stop Latch Pin, HWT
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	101892	Spacer Set, HWT
13	101894	Bit Sub, HWT
14	101896	Loading Sleeve, HWT

H3 Core Retrieval System



Core Barrel Assembly, H3 10ft (3.0m)

Item	Part Number	Description
	101372	Core Barrel Assembly, H3 10ft (3.0m)
1	100770	Locking Coupling, HWL Conventional Tang
2	100586	Adaptor Coupling, H
3	100441	Landing Ring, H
4	100547	Outer Tube, H 10ft (3m)
5	100445	Inner Tube Stabilizer, H
6	101407	Head Assembly, H Core Barrel
7	100546	Inner Tube, H 10ft (3m)
8	100436	Stop Ring, H3
9	100427	Core Lifter, H3 Fluted
10	100431	Core Lifter Case, H3
11	101371	Pump-Out adaptor, H3
12	101370	Piston Plug, N3/H3/P3
13	101369	O-Ring H3, #229 Nitrile Rubber
14	101368	Core Ejection Piston, H3
15	101367	Split Tube, H3 10ft (3m) (Set of 2 pcs)

Core Barrel Assembly, H3 5ft (1.5m)

Item	Part Number	Description
	101713	Core Barrel Assembly, H3 5ft (1.5m)
1	100770	Locking Coupling, HWL Conventional Tang
2	100586	Adaptor Coupling, H
3	100441	Landing Ring, H
4	100590	Outer Tube, H 5ft (1.5m)
5	100445	Inner Tube Stabilizer, H
6	101407	Head Assembly, H Core Barrel
7	100589	Inner Tube, H 5ft (1.5m)
8	100436	Stop Ring, H3
9	100427	Core Lifter, H3 Fluted
10	100431	Core Lifter Case, H3
11	101371	Pump-Out adaptor, H3
12	101370	Piston Plug, N3/H3/P3
13	101369	O-Ring H3, #229 Nitrile Rubber
14	101368	Core Ejection Piston, H3
15	101711	Split Tube, N3 5ft (1.5m) (Set of 2 pcs)



H3 Core Retrieval System

Options and Kits, H3

Item	Part Number	Description
Options and Kits, H3		
1	100742	Locking Coupling, HWL Conventional No Tang
2	100620	Locking Coupling, HWL Full Hole Tang
3	100773	Locking Coupling, HWL Full Hole No Tang
4	100551	Landing Indicator Bushing without CD Groove
5	100584	Shut Off Valve, H Soft
6	101435	Solid Spindle Spacer, H
7	101823	Inner Tube Cap Assembly, H with Thread Protector
8	100619	Core Lifter, H3 Fluted Diamond Coated
9	101717	Core Barrel Plug, H3
10	101106	Gauge Assembly, Bit & Shell, H
11	101152	Parts Pouch



Head Assembly, H Core Barrel

Item	Part Number	Description
	101407	Head Assembly, H Core Barrel
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100493	Spearhead Base, HP
6	100483	Spring Pin, 01/2" x 2-3/4" Long
7	101394	Latch Retracting Case, HP
8	101395	Latch Body, HP Upper
9	100484	Coiled Spring Pin, 01/2" x 2" Long
10	100450	Latch Spring, N/H/P
11	100496	Latch, H
12	100497	Landing Shoulder, H
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100498	Latch Body, HP Lower
16	100485	Nord-Lock Washer, H
17	100486	Jam Nut, 1-1/4-7UNC2B
18	100499	Spindle, HP
19	100487	Shut Off Valve, H Hard
20	100488	Valve Adjusting Washer, H
21	100489	Bearing, B13
22	100500	Spindle Bushing, H
23	100457	Bearing, B9
24	100491	Compression Spring, H
25	100492	Self Locking Nut
26	100502	Inner Tube Cap Assembly, H without Thread Protector
27	100603	Thread Protector, H Inner Tube Cap

Inner Tube Cap Assembly, H without Thread Protector

Item	Part Number	Description
	100502	Inner Tube Cap Assembly, H without Thread Protector
1	100501	Inner Tube Cap Body, H
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P



H3 Core Retrieval System

Inner Tube Cap Assembly, H with Thread Protector

Item Number	Part Number	Description
	101823	Inner Tube Cap Assembly, H with Thread Protector
1	100501	Inner Tube Cap Body, H
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P
5	100603	Thread Protector, H Inner Tube Cap

Conversion Assembly, H Core Barrel Head

Item	Part Number	Description
	100898	Conversion Assembly, H Core Barrel Head
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100493	Spearhead Base, HP
6	100483	Spring Pin, 01/2" x 2-3/4" Long
7	101394	Latch Retracting Case, HP
8	101395	Latch Body, HP Upper
9	100484	Coiled Spring Pin, 01/2" x 2" Long
10	100450	Latch Spring, N/H/P
11	100496	Latch, H
12	100497	Landing Shoulder, H
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100498	Latch Body, HP Lower
16	100485	Nord-Lock Washer, H



Kit, Fluid Retention N/H/P

Item	Part Number	Description
	100607	Kit, Fluid Retention N/H/P
1	100452	Stainless Steel Ball, 022mm
2	100612	Bushing, Fluid Retention
3	101138	Bushing, Heavy Mud Fluid Retention
4	100608	Fluid Retention Compression Spring, N/H/P Light (Green)
5	100609	Fluid Retention Compression Spring, N/H/P Medium (Blue)
6	100610	Fluid Retention Compression Spring, N/H/P Heavy (Red)

Overshot Assembly, H

Item	Part Number	Description
	100557	Overshot Assembly, H
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100523	Cable Swivel Body, N/H/P
8	100524	Jar Staff, N/H/P
9	100525	Jar Tube Assembly, N/H/P
10	100534	Locking Sleeve, N/H/P Slotted
11	100526	Hex Nut, 3/4ΦUNC
12	100527	Nord-Lock Washer, N/H/P OS
13	100605	Head Assembly, H Overshot
14	100692	Overshot Loading Fork Tool
15	100690	Overshot Loading Funnel, H



H3 Core Retrieval System

Head Assembly, H Overshot

Item	Part Number	Description
100605 Head Assembly, H Overshot		
1	100536	Overshot Head Body, H
2	100533	Set Screw, 3/8ΦUNF x 3/4ΦNYLOK
3	100529	Lifting Dog Compression Spring, N/H/P
4	100530	Lifting Dog, N/H/P
5	100531	Lifting Dog Pivot Pin, N/H
6	100532	Sway Pin, N/H
7	100535	Pin Link, N/H/P Overshot
8	100539	Self Locking Cap Screw

Overshot Assembly, H Rolling

Item	Part Number	Description
100636 Overshot Assembly, H Rolling		
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100629	Roller wheel, H
8	100631	Spring Pin, 03/8" x 1-1/2" Long
9	100638	Cable Swivel Roller Body, NH
10	100524	Jar Staff, N/H/P
11	100525	Jar Tube Assembly, N/H/P
12	100526	Hex Nut, 3/4ΦUNC
13	100527	Nord-Lock Washer, N/H/P OS
14	100637	Roller Body, NH Lower
15	100605	Head Assembly, H Overshot
16	100692	Overshot Loading Fork Tool
17	100690	Overshot Loading Funnel, H



Water Swivel Assembly, Compact Plus

Item	Part Number	Description
	101388	Water Swivel Assembly, Compact Plus
1	101353	Swivel Cap, Compact Plus Water Swivel
2	101354	wavy Washer, Compact Plus Water Swivel
3	101355	O-Ring, Upper, Compact Plus Water Swivel
4	101356	Swivel Packing Set, Compact Plus Water Swivel
5	101357	Wear Sleeve, Slotted, Compact Plus Water Swivel
6	101358	Packing Cage, Compact Plus Water Swivel
7	101359	Ball Bearing, Compact Plus Water Swivel
8	101360	Swivel Body, Upper, Compact Plus Water Swivel
9	101361	O-Ring, Lower, Compact Plus Water Swivel
10	101362	Spindle, Compact Plus water Swivel
11	101363	Thrust Bearing, Compact Plus Water Swivel
12	101364	Swivel Body, Lower, Compact Plus Water Swivel
13	100461	Grease Fitting
14	101365	Felt Seal, Compact Plus Water Swivel

Kit, Water Swivel, Compact Plus

Item	Part Number	Description
	101389	Kit, Water Swivel, Compact Plus
1	101354	wavy Washer, Compact Plus Water Swivel
2	101355	O-Ring, Upper, Compact Plus Water Swivel
3	101356	Swivel Packing Set, Compact Plus Water Swivel
4	101357	Wear Sleeve, Slotted, Compact Plus Water Swivel
5	101359	Ball Bearing, Compact Plus water Swivel
6	101361	O-Ring, Lower, Compact Plus Water Swivel
7	101363	Thrust Bearing, Compact Plus Water Swivel
8	101365	Felt Seal, Compact Plus Water Swivel



OD Gauge Assembly, Drill Rod H

Item	Part Number	Description
	101088	OD Gauge Assembly, Drill Rod H
1	101086	OD Gauge, Drill Rod New H
2	101058	OD Gauge, Drill Rod Wear H
3	101084	Lock Nut, OD Gauge
4	101083	Flat Washer, OD Gauge
5	101082	Hex Bolt, OD Gauge

Kit, H Edge Latch

Item	Part Number	Description
	101148	Kit, H Edge Latch
1	100496	Latch, H
2	100450	Latch Spring, N/H/P
3	100483	Spring Pin, 01/2" x 2-3/4" Long
4	101150	Cap Screw, H Hex Head
5	101151	Nut, Hex
6	101152	Parts Pouch

Wrench Assembly, H Inner Tube (N Outer Tube) Gripper Pads

Item	Part Number	Description
	101386	Wrench Assembly, H Inner Tube (N Outer Tube) Gripper Pads
1	101755	wrench Handle, H Inner Tube
2	101756	Stationary Jaw, H Inner Tube Wrench
3	101757	Swing Jaw, H Inner Tube Wrench
4	101758	Pin, H Inner Tube Wrench
5	101759	Retaining Ring, H Inner Tube Wrench



Casing Advancer Assembly, HW

Item	Part Number	Description
	102168	Casing Advancer Assembly, HW
0	102170	Inner Assembly, HW
15	102174	Driver, HW Casing Advancer

Inner Assembly, HW

Item	Part Number	Description
	102170	Inner Assembly, HW
1	101876	Spearhead, NW/HW/HWT/PW/PWT
2	100453	Nord-Lock Washer, N
3	101878	Release Shaft, NW/HW/HWT/PW/PWT
4	101880	Latch Body, HWT
5	101882	Latch Shoe, HWT
6	101883	Spring, NW/HW/HWT/PW/PWT
7	101884	Locating Pin, NW/HW/HWT/PW/PWT
8	101886	Stop Latch Set, HWT
9	101888	Stop Latch Pin, HWT
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	101892	Spacer Set, HWT
13	101894	Bit Sub, HWT
14	102172	Casing Advancer Loading Funnel, HW



H3 Core Retrieval System

Casing Advancer Assembly, HWT

Item	Part Number	Description
	101868	Casing Advancer Assembly, HWT
0	101874	Inner Assembly, HWT CSG
15	101898	Driver, HWT Casing Advancer

Inner Assembly, HWT CSG

Item	Part Number	Description
	101874	Inner Assembly, HWT CSG
1	101876	Spearhead, NW/HW/HWT/PW/PWT
2	100453	Nord-Lock Washer, N
3	101878	Release Shaft, NW/HW/HWT/PW/PWT
4	101880	Latch Body, HWT
5	101882	Latch Shoe, HWT
6	101883	Spring, NW/HW/HWT/PW/PWT
7	101884	Locating Pin, NW/HW/HWT/PW/PWT
8	101886	Stop Latch Set, HWT
9	101888	Stop Latch Pin, HWT
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	101892	Spacer Set, HWT
13	101894	Bit Sub, HWT
14	101896	Loading Sleeve, HWT



Core Barrel Assembly, HU 10ft (3.0m)

Item	Part Number	Description
	100771	Core Barrel Assembly, HU 10ft (3.0m)
1	100742	Locking Coupling, HWL Conventional No Tang
2	100767	Adaptor Coupling, HU
3	100441	Landing Ring, H
4	100547	Outer Tube, H 10ft (3m)
5	100445	Inner Tube Stabilizer, H
6	100811	Head Assembly, HU Core Barrel
7	100546	Inner Tube, H 10ft (3m)
8	100435	Stop Ring, H
9	100419	Core Lifter, H Slotted
10	100430	Core Lifter Case, H

Core Barrel Assembly, HU 5ft (1.5m)

Item	Part Number	Description
	100814	Core Barrel Assembly, HU 5ft (1.5m)
1	100742	Locking Coupling, HWL Conventional No Tang
2	100767	Adaptor Coupling, HU
3	100441	Landing Ring, H
4	100590	Outer Tube, H 5ft (1,5m)
5	100445	Inner Tube Stabilizer, H
6	100811	Head Assembly, HU Core Barrel
7	100589	Inner Tube, H 5ft (1.5m)
8	100435	Stop Ring, H
9	100419	Core Lifter, H Slotted
10	100430	Core Lifter Case, H



Head Assembly, HU Core Barrel

Item	Part Number	Description
	100811	Head Assembly, HU Core Barrel
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	102480	Spearhead Base, HU
6	100798	Latch Locking Spring, NU
7	102479	Latch Locking Pin, HU
8	100483	Spring Pin, 01/2" x 2-3/4" Long
9	100815	Latch Retracting Case, HU
10	101154	Coiled Spring Pin, 01/4" x 2-3/4" LG.
11	101395	Latch Body, HP Upper
12	100484	Coiled Spring Pin, 01/2" x 2" Long
13	100450	Latch Spring, N/H/P
14	102476	Latch, HU
15	102474	Latch Case Spring, HU
16	102475	Latch Case Spring Sleeve, HU
17	100821	Adaptor, HU
18	100765	Pump In Seal, HU
19	100822	Seal Seat, HU
20	100452	Stainless Steel Ball, 022mm
21	100468	Landing Indicator Bushing with OD Groove
22	100497	Landing Shoulder, H
23	100498	Latch Body, HP Lower
24	100485	Nord-Lock Washer, H
25	100486	Jam Nut, 1-1/4-7UNC2B
26	100499	Spindle, HP
27	100487	Shut Off Valve, H Hard
28	100488	Valve Adjusting Washer, H
29	100489	Bearing, B13
30	100500	Spindle Bushing, H
31	100457	Bearing, B9
32	100491	Compression Spring, H
33	100492	Self Locking Nut
34	100502	Inner Tube Cap Assembly, H without Thread Protector
35	100603	Thread Protector, H Inner Tube Cap



Inner Tube Cap Assembly, H without Thread Protector

Item	Part Number	Description
	100502	Inner Tube Cap Assembly, H without Thread Protector
1	100501	Inner Tube Cap Body, H
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P

Inner Tube Cap Assembly, H with Thread Protector

Item	Part Number	Description
	101823	Inner Tube Cap Assembly, H with Thread Protector
1	100501	Inner Tube Cap Body, H
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P
5	100603	Thread Protector, H Inner Tube Cap

Overshot Assembly, HU

Item	Part Number	Description
	102483	Overshot Assembly, HU
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100836	Cable Swivel Body
8	100838	Shear Pin
9	102482	Upper Body, HU
10	100765	Pump In Seal, HU
11	100822	Seal Seat, HU
12	100452	Stainless Steel Ball, 022mm
13	100468	Landing Indicator Bushing with CD Groove
14	102481	Overshot Head Body, HU
15	100529	Lifting Dog Compression Spring, N/H/P
16	101498	Pivot Pin, HU Overshot
17	100807	Spring Pin, NU
18	100530	Lifting Dog, N/H/P



Loading Chamber Assembly, HU

Item	Part Number	Description
	102165	Loading Chamber Assembly, HU
1	100910	Packing Plug
2	100911	Cable Guide Washer
3	100912	Cable Packing, Loading Chamber Assembly
4	100913	Quick Coupler, Male #16 NPT 1"
5	102166	Loading Chamber Body, HU

Water Swivel Assembly, Compact Plus, Top Port

Item	Part Number	Description
	101865	Water Swivel Assembly, Compact Plus, Top Port
1	101864	Swivel Cap, Top Port
2	101354	wavy Washer, Compact Plus Water Swivel
3	101365	Felt Seal, Compact Plus Water Swivel
4	101356	Swivel Packing Set, Compact Plus Water Swivel
5	101357	wear Sleeve, Slotted, Compact Plus Water Swivel
6	101358	Packing Cage, Compact Plus Water Swivel
7	101359	Ball Bearing, Compact Plus Water Swivel
8	101360	Swivel Body, Upper, Compact Plus Water Swivel
9	101361	O-Ring, Lower, Compact Plus Water Swivel
10	101362	Spindle, Compact Plus water Swivel
11	101363	Thrust Bearing, Compact Plus Water Swivel
12	101364	Swivel Body, Lower, Compact Plus water Swivel
13	100461	Grease Fitting
14	101365	Felt Seal, Compact Plus Water Swivel

Kit, Water Swivel, Compact Plus

Item	Part Number	Description
	101389	Kit, Water Swivel, Compact Plus
1	101354	wavy washer, Compact Plus Water Swivel
2	101355	O-Ring, Upper, Compact Plus water Swivel
3	101356	Swivel Packing Set, Compact Plus Water Swivel
4	101357	wear Sleeve, Slotted, Compact Plus water Swivel
5	101359	Ball Bearing, Compact Plus water Swivel
6	101361	O-Ring, Lower, Compact Plus water Swivel
7	101363	Thrust Bearing, Compact Plus Water Swivel
8	101365	Felt Seal, Compact Plus Water Swivel



Gauge Assembly, Bit & Shell, H

Item	Part Number	Description
	101106	Gauge Assembly, Bit & Shell, H
1	101120	Gauge, Max New Shell, H
2	101121	Gauge, Min New Shell, H
3	101122	Gauge, Max New Bit / Worn Shell, H
4	101123	Gauge, Min New Bit, H
5	101128	Hex Bolt, 1/4-20 UNC X 2" Long, Zinc Plated
6	101129	Washer, 17/64" ID x 1/2" OD, Zinc Plated
7	101130	Nylock Nut, 1/4-20 UNC, Zinc Plated

OD Gauge Assembly, Drill Rod H

Item	Part Number	Description
	101088	OD Gauge Assembly, Drill Rod H
1	101086	OD Gauge, Drill Rod New H
2	101058	OD Gauge, Drill Rod Wear H
3	101084	Lock Nut, OD Gauge
4	101083	Flat Washer, OD Gauge
5	101082	Hex Bolt, OD Gauge

Wrench Assembly, H Inner Tube (N Outer Tube) Gripper Pads

Item	Part Number	Description
	101386	Wrench Assembly, H Inner Tube (N Outer Tube) Gripper Pads
1	101755	Wrench Handle, H Inner Tube
2	101756	Stationary Jaw, H Inner Tube Wrench
3	101757	Swing Jaw, H Inner Tube Wrench
4	101758	Pin, H Inner Tube Wrench
5	101759	Retaining Ring, H Inner Tube Wrench



Core Barrel Assembly, P 10ft (3.0m)

Item	Part Number	Description
	101141	Core Barrel Assembly, P 10ft (3.0m)
1	101541	Locking Coupling, PD Spiral Conventional Tang
2	100962	Adaptor Coupling, P
3	100442	Landing Ring, P
4	100549	Outer Tube, P 10ft (3m)
5	100446	Inner Tube Stabilizer, P
6	101000	Head Assembly, P Core Barrel
7	100548	Inner Tube, P 10ft (3m)
8	100437	Stop Ring, P
9	100420	Core Lifter, P Fluted
10	100432	Core Lifter Case, P

Core Barrel Assembly, P 5ft (1.5m)

Item	Part Number	Description
	101142	Core Barrel Assembly, P 5ft (1.5m)
1	101541	Locking Coupling, PD Spiral Conventional Tang
2	100962	Adaptor Coupling, P
3	100442	Landing Ring, P
4	100592	Outer Tube, P 5ft (1.5m)
5	100446	Inner Tube Stabilizer, P
6	101000	Head Assembly, P Core Barrel
7	100591	Inner Tube, P 5ft (1.5m)
8	100437	Stop Ring, P
9	100420	Core Lifter, P Fluted
10	100432	Core Lifter Case, P



Options and Kits, P

Item	Part Number	Description
Options and Kits, P		
1	101543	Locking Coupling, PD Conventional No Tang
2	100961	Locking Coupling, PD Full Hole Tang
3	101625	Locking Coupling, PD Full Hole No Tang
4	100551	Landing Indicator Bushing without CD Groove
5	100585	Shut Off Valve, P Soft
6	101820	Solid Spindle Spacer, P
7	101824	Inner Tube Cap Assembly, P with Thread Protector
8	101629	Inner Tube Coupling, P
9	100647	Core Barrel Plug, P
10	101107	Gauge Assembly, Bit & Shell, P
11	101152	Parts Pouch

Head Assembly, P Core Barrel

Item	Part Number	Description
	101000	Head Assembly, P Core Barrel
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100493	Spearhead Base, HP
6	100483	Spring Pin, 01/2" x 2-3/4" Long
7	101394	Latch Retracting Case, HP
8	101395	Latch Body, HP Upper
9	100484	Coiled Spring Pin, 01/2" x 2" Long
10	100450	Latch Spring, N/H/P
11	100952	Latch, P
12	100953	Landing Shoulder, P
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100498	Latch Body, HP Lower
16	100485	Nord-Lock Washer, H
17	100486	Jam Nut, 1-1/4-7UNC2B
18	100499	Spindle, HP
19	100955	Shut Off Washer, P
20	100954	Shut Off Valve, P Hard
21	100956	Shut Off Washer, P Tapered
22	100489	Bearing, B13
23	100989	Spindle Bushing, P
24	100457	Bearing, B9
25	100491	Compression Spring, H
26	100492	Self Locking Nut
27	101406	Inner Tube Cap Assembly, P without Thread Protector
28	101039	Thread Protector, P Inner Tube Cap



Inner Tube Cap Assembly, P without Thread Protector

Part		Description
Item Number		
101406		Inner Tube Cap Assembly, P without Thread Protector
1	101044	Inner Tube Cap Body, P
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P

Inner Tube Cap Assembly, P with Thread Protector

Part		Description
Item Number		
101824		Inner Tube Cap Assembly, P with Thread Protector
1	101044	Inner Tube Cap Body, P
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P
5	101039	Thread Protector, P Inner Tube Cap

Kit, Fluid Retention N/H/P

Part		Description
Item Number		
100607		Kit, Fluid Retention N/H/P
1	100452	Stainless Steel Ball, 022mm
2	100612	Bushing, Fluid Retention
3	101138	Bushing, Heavy Mud Fluid Retention
4	100608	Fluid Retention Compression Spring, N/H/P Light (Green)
5	100609	Fluid Retention Compression Spring, N/H/P Medium (Blue)
6	100610	Fluid Retention Compression Spring, N/H/P Heavy (Red)



Kit, P Link to Edge Latch Conversion

Item	Part Number	Description
	101426	Kit, P Link to Edge Latch Conversion
1	100952	Latch, P
2	100450	Latch Spring, N/H/P
3	100483	Spring Pin, 01/2" x 2-3/4" Long
4	100484	Coiled Spring Pin, 01/2" x 2" Long
5	100666	Drift Pin, Latch Retracting Pin N/H/P
6	100877	Drift Pin, Latch Pivot Pin N/H/P
7	101427	Instructions, Link to Edge Latch Conversion
8	101152	Parts Pouch

Overshot Assembly, P

Item	Part Number	Description
	101432	Overshot Assembly, P
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100523	Cable Swivel Body, N/H/P
8	100524	Jar Staff, N/H/P
9	100525	Jar Tube Assembly, N/H/P
10	100534	Locking Sleeve, N/H/P Slotted
11	100526	Hex Nut, 3/4ΦUNC
12	100527	Nord-Lock Washer, N/H/P OS
13	100606	Head Assembly, P Overshot
14	100692	Overshot Loading Fork Tool
15	101441	Overshot Loading Funnel, P



Head Assembly, P Overshot

Item	Part Number	Description
	100606	Head Assembly, P Overshot
1	100536	Overshot Head Body, H
2	100533	Set Screw, 3/8ΦUNF x 3/4ΦNYLOK
3	100529	Lifting Dog Compression Spring, N/H/P
4	100530	Lifting Dog, N/H/P
5	100531	Lifting Dog Pivot Pin, N/H
6	100532	Sway Pin, N/H
7	100535	Pin Link, N/H/P Overshot
8	100539	Self Locking Cap Screw
9	101154	Coiled Spring Pin, 01/4" x 2-3/4" LG.
10	101153	Overshot Sleeve, P

Casing Advancer Assembly, PW

Item	Part Number	Description
	102169	Casing Advancer Assembly, PW
0	102171	Inner Assembly, PWCSG
15	102175	Driver, PW Casing Advancer

Inner Assembly, PW CSG

Item	Part Number	Description
	102171	Inner Assembly, PW CSG
1	101876	Spearhead, NW/HW/HWT/PW/PWT
2	100453	Nord-Lock Washer, N
3	101878	Release Shaft, NW/HW/HWT/PW/PWT
4	102018	Latch Body, PW-PWT
5	102019	Latch Shoe, PWT
6	101883	Spring, NW/HW/HWT/PW/PWT
7	101884	Locating Pin, NW/HW/HWT/PW/PWT
8	102020	Stop Latch Set, PWT
9	102021	Stop Latch Pin, PWT
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	102022	Spacer Set, PWT
13	102023	Bit Sub, PWT
14	102173	Casing Advancer Loading Sleeve, PW CSG



Casing Assembly, PWT

Item	Part Number	Description
	102017	Inner Assembly, PWT bly, PWT
1	101876	Spearhead, NW/HW/HWT/PW/PWT
2	100453	Nord-Lock washer, N
3	101878	Release Shaft, NW/HW/HWT/PW/PWT
4	102018	Latch Body, PW-PWT
5	102019	Latch Shoe, PWT
6	101883	Spring, NW/HW/HWT/PW/PWT
7	101884	Locating Pin, NW/HW/HWT/PW/PWT
8	102020	Stop Latch Set, PWT
9	102021	Stop Latch Pin, PWT
10	101889	Split Cotter Pin, BW/NW/HW/HWT/PW/PWT
11	101890	Stop Latch Spring, BW/NW/HW/HWT/PW/PWT
12	102022	Spacer Set, PWT
13	102023	Bit Sub, PWT
14	102024	Loading Sleeve, PWT



Core Barrel Assembly, P3 10ft (3.0m)

Item	Part Number	Description
	101590	Core Barrel Assembly, P3 10ft (3.0m)
1	100961	Locking Coupling, PD Full Hole Tang
2	100962	Adaptor Coupling, P
3	100442	Landing Ring, P
4	100549	Outer Tube, P 10ft (3m)
5	100446	Inner Tube Stabilizer, P
6	101000	Head Assembly, P Core Barrel
7	100548	Inner Tube, P 10ft (3m)
8	100438	Stop Ring, P3
9	100428	Core Lifter, P3 Fluted
10	100433	Core Lifter Case, P3
11	101588	Pump Out Adaptor, P3
12	101370	Piston Plug, N3/H3/P3
13	101382	O-Ring P3, #236 Nitrile Rubber
14	101589	Core Ejection Piston, P3
15	101373	Split Tube, P3 10ft (3m) (Set of 2 pcs)

Core Barrel Assembly, P3 5ft (1.5m)

Item	Part Number	Description
	101591	Core Barrel Assembly, P3 5ft (1.5m)
1	100961	Locking Coupling, PD Full Hole Tang
2	100962	Adaptor Coupling, P
3	100442	Landing Ring, P
4	100592	Outer Tube, P 5ft (1.5m)
5	100446	Inner Tube Stabilizer, P
6	101000	Head Assembly, P Core Barrel
7	100591	Inner Tube, P 5ft (1.5m)
8	100438	Stop Ring, P3
9	100428	Core Lifter, P3 Fluted
10	100433	Core Lifter Case, P3
11	101588	Pump Out Adaptor, P3
12	101370	Piston Plug, N3/H3/P3
13	101382	O-Ring P3, #236 Nitrile Rubber
14	101589	Core Ejection Piston, P3
15	101592	Split Tube, P3 5ft (1.5m) (Set of 2 pcs)



Options and Kits, P3

Item	Part Number	Description
Options and Kits, P3		
1	101543	Locking Coupling, PD Conventional No Tang
2	100961	Locking Coupling, PD Full Hole Tang
3	101625	Locking Coupling, PD Full Hole No Tang
4	100551	Landing Indicator Bushing without CD Groove
5	100585	Shut Off Valve, P Soft
6	101820	Solid Spindle Spacer, P
7	101824	Inner Tube Cap Assembly, P with Thread Protector
10	101107	Gauge Assembly, Bit & Shell, P
11	101152	Parts Pouch

Head Assembly, P Core Barrel

Item	Part Number	Description
101000 Head Assembly, P Core Barrel		
1	100462	Spearhead Point, B/N/H/P
2	100447	Spearhead Spring, B/N/H/P
3	100463	Detent Plunger, B/N/H/P
4	100448	Coiled Spring Pin, 07/16" x 1" Long
5	100493	Spearhead Base, HP
6	100483	Spring Pin, 01/2" x 2-3/4" Long
7	101394	Latch Retracting Case, HP
8	101395	Latch Body, HP Upper
9	100484	Coiled Spring Pin, 01/2" x 2" Long
10	100450	Latch Spring, N/H/P
11	100952	Latch, P
12	100953	Landing Shoulder, P
13	100452	Stainless Steel Ball, 022mm
14	100468	Landing Indicator Bushing with OD Groove
15	100498	Latch Body, HP Lower
16	100485	Nord-Lock Washer, H
17	100486	Jam Nut, 1-1/4-7UNC2B
18	100499	Spindle, HP
19	100955	Shut Off Washer, P
20	100954	Shut Off Valve, P Hard
21	100956	Shut Off Washer, P Tapered
22	100489	Bearing, B13
23	100989	Spindle Bushing, P
24	100457	Bearing, B9
25	100491	Compression Spring, H
26	100492	Self Locking Nut
27	101406	Inner Tube Cap Assembly, P without Thread Protector
28	101039	Thread Protector, P Inner Tube Cap



Inner Tube Cap Assembly, P with Thread Protector

Part		Description
Item Number		
101824		Inner Tube Cap Assembly, P with Thread Protector
1	101044	Inner Tube Cap Body, P
2	100461	Grease Fitting
3	100452	Stainless Steel Ball, 022mm
4	100474	Check Valve Body, N/H/P
5	101039	Thread Protector, P Inner Tube Cap

Kit, Fluid Retention N/H/P

Part		Description
Item	Number	
	100607	Kit, Fluid Retention N/H/P
1	100452	Stainless Steel Ball, 022mm
2	100612	Bushing, Fluid Retention
3	101138	Bushing, Heavy Mud Fluid Retention
4	100608	Fluid Retention Compression Spring, N/H/P Light (Green)
5	100609	Fluid Retention Compression Spring, N/H/P Medium (Blue)
6	100610	Fluid Retention Compression Spring, N/H/P Heavy (Red)



Overshot Assembly, P

Item	Part Number	Description
	101432	Overshot Assembly, P
1	100518	Cable Swivel Eye Bolt, B/N/H/P
2	100519	Cable Swivel Collar, B/N/H/P
3	100520	Thrust Bearing
4	100521	Castle Nut
5	100522	Cotter Pin
6	100461	Grease Fitting
7	100523	Cable Swivel Body, N/H/P
8	100524	Jar Staff, N/H/P
9	100525	Jar Tube Assembly, N/H/P
10	100534	Locking Sleeve, N/H/P Slotted
11	100526	Hex Nut, 3/4ΦUNC
12	100527	Nord-Lock washer, N/H/P OS
13	100606	Head Assembly, P Overshot
14	100692	Overshot Loading Fork Tool
15	101441	Overshot Loading Funnel, P

Head Assembly, P Overshot

Item	Part Number	Description
	100606	Head Assembly, P Overshot
1	100536	Overshot Head Body, H
2	100533	Set Screw, 3/8ΦUNF x 3/4ΦNYLOK
3	100529	Lifting Dog Compression Spring, N/H/P
4	100530	Lifting Dog, N/H/P
5	100531	Lifting Dog Pivot Pin, N/H
6	100532	Sway Pin, N/H
7	100535	Pin Link, N/H/P Overshot
8	100539	Self Locking Cap Screw
9	101154	Coiled Spring Pin, 01/4" x 2-3/4" LG.
10	101153	Overshot Sleeve, P



Kapacor Drilling Products Trading L.L.C
1001-59, Crystal Tower, Business Bay,
Dubai, United Arab Emirates
+971 50 698 3225
info@kapacor.com

MUD MASTER LLP
Kazakhstan, Almaty,
Raiymbek Avenue, 223D, Office 21
+7 747 926 99 09

✉ info@mudmaster.ru
🌐 www.mudmaster.ru
www.kapacor.com