



INDEXSS CATALOGUES

BITS AND TOOLINGS

Year 2020

TABLE OF CONTENTS

COMPANY PROFILE

BITS CATALOGUE

Drill Bits and Diamond Impregnated Bits	1	PCD (Poly Crystalline Diamond)	8
Indexss' Range of Bits	2	PCD Stabilizers & Tricone Bits	9
Impregnated Diamond	3	TH-1162 RC Bits & Shrouds	10
Surface Set Diamond	4	TH-1214 RC Bits & Shrouds	11
Reamers	5	TH-1261 RC Bits & Shrouds	12
Casing/Rod Shoe	6	Special / Custom Bits	13
Geobor S Bit	7		

TOOLING CATALOGUE

NQ Indexss Latch Head Assembly	1	PQ Link Latch Head Assembly	30
NQ Indexss latch Core Barrel Assembly	2	HQ/PQ Dry Hole Lowering Kit	31
NQ3 Indexss Latch Core Barrel Assembly	3	Indexss Stuffing Box	32
NQ3 Indexss Latch Core Barrel Assembly (w/ TT Core Case)	4	Compact Plus Water Swivel	33
NQ Core Barrel Head Assembly	5	Universal Water Swivel	34
NQ Core Barrel Assembly	6	Hoisting Plug Assy 40K	35
NQ3 Core Barrel Assembly	7	Hoisting Plug Assy 25K	36
NQ3 Core Barrel Assembly (w/ TT Core Case)	8	TH1162 RC Hammer Assembly	37
NQ Indexss Lock Overshot Assembly	9	TH1261 RC Hammer Assembly	38
NQU Link Latch Head Assembly	10	Rods & Casings	39
NQU Link Latch Core Barrel Assembly	11	Care & Handling of Rods & Casing	40
NQU3 Link Latch Core Barrel Assembly	12	Saver Subs	41
NQU Overshot Assembly	13	Subs	42
HQ Indexss Latch Head Assembly	14	RC Saver Subs	43
HQ Indexss Latch Core Barrel Assembly	15	Relief Valves & Casing/Rod Taps	44
HQ3 Indexss Latch Core Barrel Assembly	16	HWT Wireline Casing Advancer & Cutter	45
HQ3 Indexss Latch Core Barrel Assembly (w/ TT Core Case)	17	Roller Overshot and Parts	46
HQ Core Barrel Head Assembly	18	Accessories	47
HQ Core Barrel Assembly	19	Personal Protective Equipment	48
HQ3 Core Barrel Assembly	20	Rod and Chuck Jaws	49
HQ3 Core Barrel Assembly (w/ TT Core Case)	21	Camera and Orientation Tools	50
HQ Indexss Lock Overshot Assembly	22	American Manufacturing – AL0918	51
HQU Link Latch Head Assembly	23	American Manufacturing AW1122	52
HQU Link Latch Core Barrel Assembly	24	Power Sprayer	53
HQU3 Link Latch Core Barrel Assembly	25	Drilling Fluids and Rubber Cementing Plug	54
HQU Overshot Assembly	26	Foot Clamp & Link Support Assembly	55
PQ Indexss Latch Head Assembly	27	Vanruth	56
PQ3 Indexss Latch Core Barrel Assembly	28	Harlsan	57
PQ Indexss Lock Overshot Assembly	29		

COMPANY PROFILE



Indexss was formed in 2012 by a group of international drill rig operators, manufacturers and owners with over 30 years' experience in the drilling, drilling supplies and rig manufacturing sectors.

Indexss' mandate is to manufacture, source and supply a range of drilling tools, equipment and consumables of an exceptional quality for the international drilling industry.

With contemporary manufacturing facilities located in the Clark Freeport Zone of the Philippines, Indexss manufactures, sources, trades and supplies tools, equipment and consumables for drill rigs used in the mineral exploration, mining, civil and oil and gas industries. Indexss also designs and constructs purpose-built drill rigs for the exploration and mining sectors.

Furthermore, Indexss offers custom design and manufacturing services to its clients and has collaborated with a variety of drilling companies to both design and produce customized drilling consumables and equipment that all conform with the highest standards of excellence.

Today, Indexss delivers its products and services over several regions including Asia, Australia, Europe and the Middle East. We welcome the opportunity to meet and satisfy your company's drilling needs.



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BITS CATALOGUE

PAGES 01-13

DRILL BITS

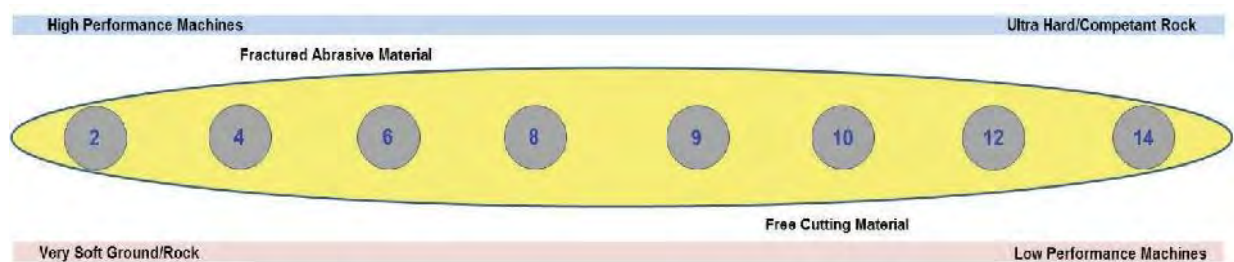
Indexss offers an excellent assortment of diamond tools for the exploration and construction industries including surface set and impregnated bits, reaming shells and casing shoes suitable for a wide range of drilling conditions. All of our core drilling tools are manufactured to the high standards required by the global exploration industry.

Detailed below are the more popular sizes/systems which have been used in the drilling industry for over half a century. However, Indexss is capable of manufacturing custom sized configuration bits to suit any client's requirements.

SYSTEM	CORE DIMENSIONS (METRIC)		
	HOLE DIMENSIONS (METRIC)	DOUBLE TUBE	TRIPLE TUBE
B	60	36.5	33.5
N	75.7	47.6	45
H	96	63.5	61.1
P	122.6	85	83

DIAMOND IMPREGANATED BITS

These are the most widely used bit in the industry today. There are a number of variations available, but the general composition used in the drilling industry is as follows (Indexss only uses premium quality E6 diamonds in such bits):

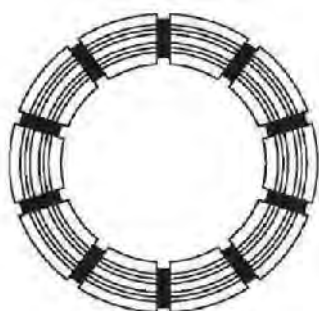
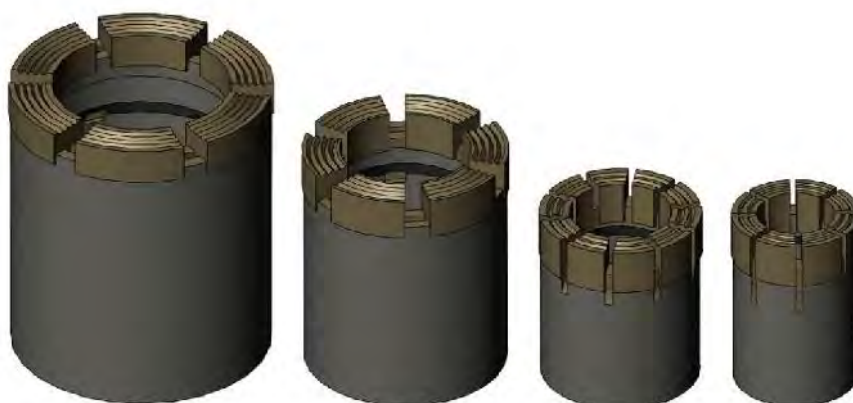


The rate of wear between the matrix material and the diamonds should be balanced to ensure the best rate of penetration by allowing new faces of the diamonds to be exposed in addition as well as optimum bit life.

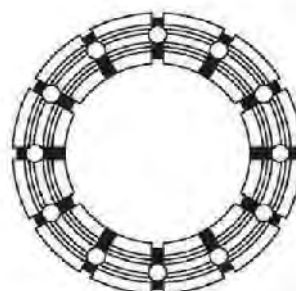
Impregnated bits generally require high rotational speeds to achieve an acceptable and optimum penetration rate.

IMPREGNATED DIAMOND

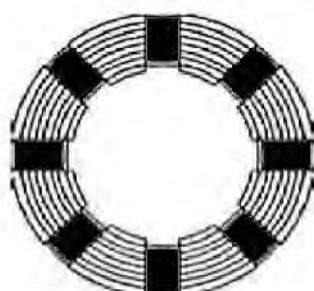
The matrix is key to the cutting properties of the bit as it must be able to retain diamonds as long as they are able to cut but at the same time release them as they become worn to allow new sharp diamonds to be exposed. Normal depths of impregnation range from 6-12mm. Indexss is capable of producing custom design bits to suit various applications.



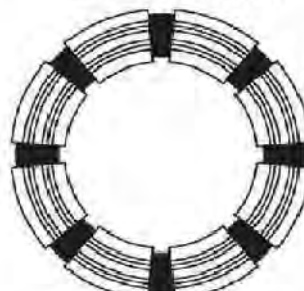
Internal Flush Standard Waterway (IFSWW)



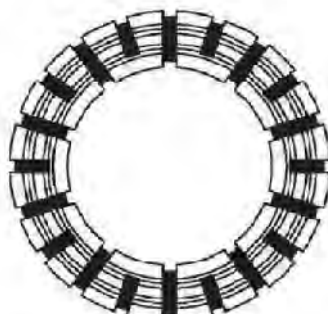
Face Discharge 6mm hole Tapered Waterway (FD6HTWW)



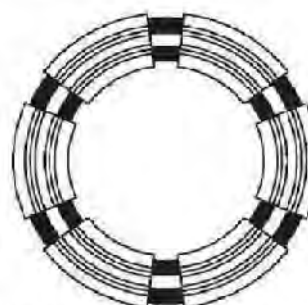
Wide Waterway (WWW)



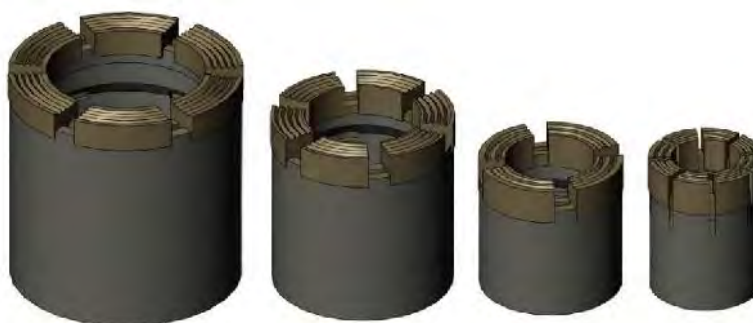
Tapered Waterway (TWW)



Turbo



Face Discharge Elongated Holes 9mm Tapered Waterway (FD E/H TWW)



QTT system has 9mm elongated flushing holes
Q3 system has standard 6mm round flushing holes

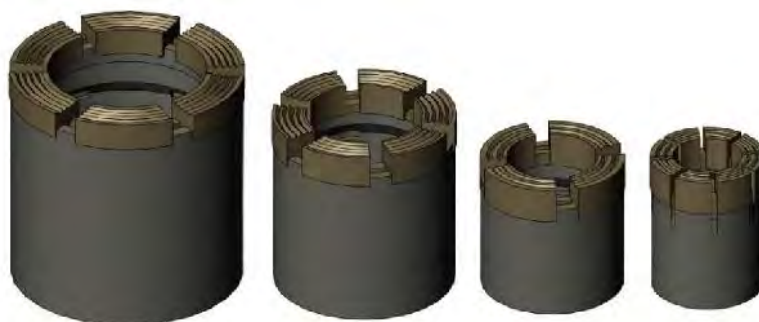
NQTT		
ITEM	P/N	DESCRIPTION
1	IXD001501	NQTT Core Bit Series 2 Matrix 13mm DOI 4ww EH
2	IXD001505	NQTT Core Bit Series 6 Matrix 13mm DOI 4ww EH
3	IXD001601	NQTT Core Bit Series 8 Matrix 13mm DOI 4ww EH
4	IXD001603	NQTT Core Bit Series 10 Matrix 13mm DOI 4ww EH
5	IXD001605	NQTT Core Bit Series 12 Matrix 13mm DOI 4ww EH

HQTT		
ITEM	P/N	DESCRIPTION
1	IXD002101	HQTT Core Bit Series 2 Matrix 13mm DOI 6ww EH
2	IXD002105	HQTT Core Bit Series 6 Matrix 13mm DOI 6ww EH
3	IXD002201	HQTT Core Bit Series 8 Matrix 13mm DOI 6ww EH
4	IXD002203	HQTT Core Bit Series 10 Matrix 13mm DOI 6ww EH
5	IXD002205	HQTT Core Bit Series 12 Matrix 13mm DOI 6ww EH
6	IXD002206	HQTT Core Bit Series 13 Matrix 13mm DOI 6ww EH
7	IXD002208	HQTT Core Bit Series 15 Matrix 13mm DOI 6ww EH

PQTT		
ITEM	P/N	DESCRIPTION
1	IXD002501	PQTT Core Bit Series 2 Matrix 10mm DOI 6ww EH
2	IXD002505	PQTT Core Bit Series 6 Matrix 10mm DOI 6ww EH
3	IXD002601	PQTT Core Bit Series 8 Matrix 10mm DOI 6ww EH
4	IXD002603	PQTT Core Bit Series 10 Matrix 10mm DOI 6ww EH
5	IXD002605	PQTT Core Bit Series 12 Matrix 10mm DOI 6ww EH

BQ DT		
ITEM	P/N	DESCRIPTION
1	IXD000801	BQ-D/T Core Bit Series 8 Matrix 13mm DOI 8ww
2	IXD000803	BQ-D/T Core Bit Series 10 Matrix 13mm DOI 8ww

NQ DT		
ITEM	P/N	DESCRIPTION
1	IXD001101	NQ-D/T Core Bit Series 2 Matrix 13mm DOI 8ww
2	IXD001105	NQ-D/T Core Bit Series 6 Matrix 13mm DOI 8ww
3	IXD001201	NQ-D/T Core Bit Series 8 Matrix 13mm DOI 8ww
4	IXD001203	NQ-D/T Core Bit Series 10 Matrix 13mm DOI 8ww
5	IXD001205	NQ-D/T Core Bit Series 12 Matrix 13mm DOI 8ww



QTT system has 9mm elongated flushing holes
Q3 system has standard 6mm round flushing holes

HQ DT		
ITEM	P/N	DESCRIPTION
1	IXD001701	HQ-D/T Core Bit Series 2 Matrix 13mm DOI 10ww
2	IXD001705	HQ-D/T Core Bit Series 6 Matrix 13mm DOI 10ww
3	IXD001801	HQ-D/T Core Bit Series 8 Matrix 13mm DOI 10ww
4	IXD001803	HQ-D/T Core Bit Series 10 Matrix 13mm DOI 10ww
5	IXD001805	HQ-D/T Core Bit Series 12 Matrix 13mm DOI 10ww

NQ2"		
ITEM	P/N	DESCRIPTION
1	IXD001031	NQ2" Core Bit Series 2 Matrix 16mm DOI 8ww
2	IXD001035	NQ2" Core Bit Series 6 Matrix 16mm DOI 8ww
3	IXD001061	NQ2" Core Bit Series 8 Matrix 16mm DOI 8ww
4	IXD001062	NQ2" Core Bit Series 9I Matrix 16mm DOI 8ww
5	IXD001063	NQ2" Core Bit Series 9 Matrix 16mm DOI 8ww
6	IXD001064	NQ2" Core Bit Series 10 Matrix 16mm DOI 8ww
7	IXD001065	NQ2" Core Bit Series 11 Matrix 16mm DOI 8ww

NQ3		
ITEM	P/N	DESCRIPTION
1	IXD001301	NQ3 Core Bit Series 2 Matrix 13mm DOI 6ww
2	IXD001305	NQ3 Core Bit Series 6 Matrix 13mm DOI 6ww
3	IXD001401	NQ3 Core Bit Series 8 Matrix 13mm DOI 6ww
4	IXD001403	NQ3 Core Bit Series 10 Matrix 13mm DOI 6ww
5	IXD001405	NQ3 Core Bit Series 12 Matrix 13mm DOI 6ww

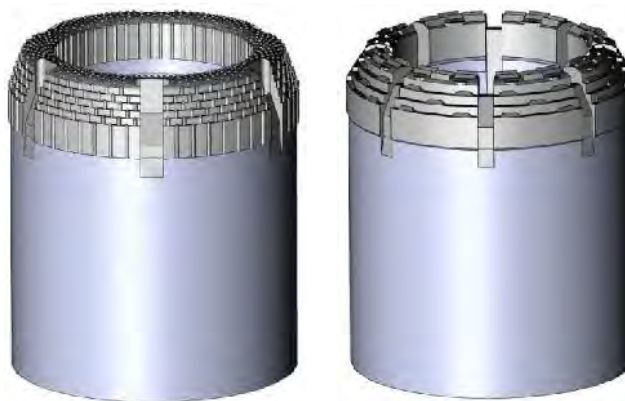
HQ3		
ITEM	P/N	DESCRIPTION
1	IXD001901	HQ3 Core Bit Series 2 Matrix 13mm DOI FD 8ww
2	IXD001905	HQ3 Core Bit Series 6 Matrix 13mm DOI FD 8ww
3	IXD002001	HQ3 Core Bit Series 8 Matrix 13mm DOI FD 8ww
4	IXD002003	HQ3 Core Bit Series 10 Matrix 13mm DOI FD 8ww
5	IXD002005	HQ3 Core Bit Series 12 Matrix 13mm DOI FD 8ww

**Special Bits / Bits that are not on the list are available upon request

Surface set coring bits are characterized by a layer of natural diamonds set on the surface of the crown in a specific pattern.

Double Dimple/Large Stone Designs are used in/for sedimentary/coal formations. Normally, Face Discharge Triple Tube Designs are used for optimum core recovery and presentation.

Smaller Stone-Stepped-Designed-Bits can also be used in directional situations.

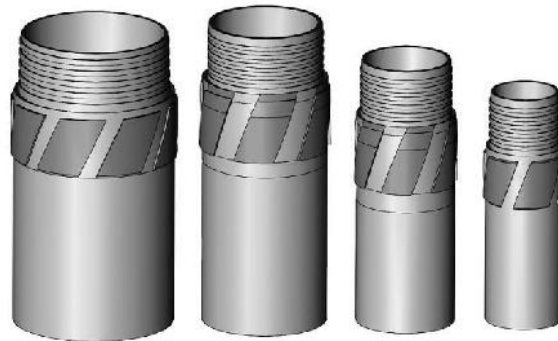


SURFACE SET DIAMOND		
ITEM	P/N	DESCRIPTION
1	IXD002700	NQTT 20 SPC 7 Step (A)
2	IXD002701	NQTT 20 SPC 7 Step (AA)
3	IXD002702	NQTT 15 SPC 4 Step (A)
4	IXD002703	NQTT 15 SPC 4 Step (AA)
5	IXD002704	HQTT 20 SPC 7 Step 6 W/W (A)
6	IXD002705	HQTT 20 SPC 7 Step 6 W/W (AA)
7	IXD002706	HQTT 15 SPC 4 Step 6 W/W (A)
8	IXD002707	HQTT 15 SPC 4 Step 6 W/W (AA)
9	IXD002708	HQTT 7 Step (A)
10	IXD002709	HQTT 7 Step (AA)
11	IXD002710	PQTT 20 SPC 5 Step (A)
12	IXD002711	PQTT 20 SPC 5 Step (AA)
13	IXD002712	PQTT Surface Set Bit 15 SPC 5 STEP (A)
14	IXD002713	PQTT 15 SPC 5 Step (AA)
15	IXCM000006	PQTT Surface Set Geocube 3Step w/8WW
16	IXCM000007	Step Bit C with Extra 2mm width depth WW ID is PQ size TT>83mm
17	IXCM000009	PQTT Geocube TSP 9Wide WW Core Bit

**Special Bits / Bits that are not on the list are available upon request

The reaming shell is the component of a drill string used to maintain the correct gauge of the hole. It features a ring around the outer diameter which contains diamonds and/or tungsten carbide inserts which keeps the hole diameter consistent, preventing a risk of the tools getting stuck down the hole.

A reaming shell is normally placed just behind the bit. However, it can be used in other positions along the drill string. A second back end reamer can be used (in place of an adaptor or locking coupling) to help stabilize the core barrel and keep the hole straight.



REAMER SHELLS / FRONT REAMER

ITEM	P/N	DESCRIPTION
1	IXD000001	BQ Reamer Shell Imp FE H/Duty
2	IXD000003	NQ Reamer Shell Imp FE H/Duty
3	IXD000005	HQ Reamer Shell Imp FE H/Duty
4	IXD000009	PQ Reamer Shell Imp FE H/Duty F/E
5	IXD000010	NQ Reamer shell imp FE h/duty o/s 77
6	IXD000016	HQ Reamer shell imp FE H/duty o/s 97.1
7	IXD000013	HQ Reamer shell imp FE H/duty o/s 99
8	IXD000021	PQ Reamer shell imp FE H/duty o/s 125

BACKEND REAMER / ADAPTOR COUPLING REAMER SHELL

ITEM	P/N	DESCRIPTION
1	IXD000011	NQ Backend R/Shell imp H/Duty
2	IXD000014	HQ Backend R/Shell imp H/Duty
3	IXD000019	PQ Backend (Indexss Latch) R/shell imp H/duty (hwt pin- pq rod box)
4	IXD000012	NQ Backend R/Shell imp H/Duty o/s 77
5	IXD000017	HQ Backend R/Shell imp H/Duty o/s 97.1
6	IXD000015	HQ Backend R/Shell imp H/Duty o/s 99
7	IXD000022	PQ Backend (Indexss Latch) R/shell imp o/s 125

BLANK REAMER

ITEM	P/N	DESCRIPTION
1	IX00004506	NQ FE Blank Reamer
2	IX00004509	HQ FE Blank Reamer
3	IX00004551	PQ FE Blank Reamer

****Special Bits / Bits that are not on the list are available upon request**

Casing shoes are used at the end of a casing string in place of an actual bit. They are typically only required to drill through overburden and/or advance casing in unstable formations.

The casing string and shoe are left in the hole to support the walls of a hole in broken ground with the inner diameter large enough to allow free passage of the drill bit and core barrel.



ROD SHOE

ITEM	P/N	DESCRIPTION
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1	IXD000310	BQ Rod Shoe 5ww (Heavy Duty), DOI 4mm
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2	IXD000300	NQ Rod Shoe 5ww, DOI 4mm
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3	IXD000301	HQ Rod Shoe 6ww, DOI 6mm
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4	IXD000302	PQ Rod Shoe 6ww, DOI 6mm
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5	IXD000311	HWT Rod Shoe (Heavy Duty), DOI 6mm
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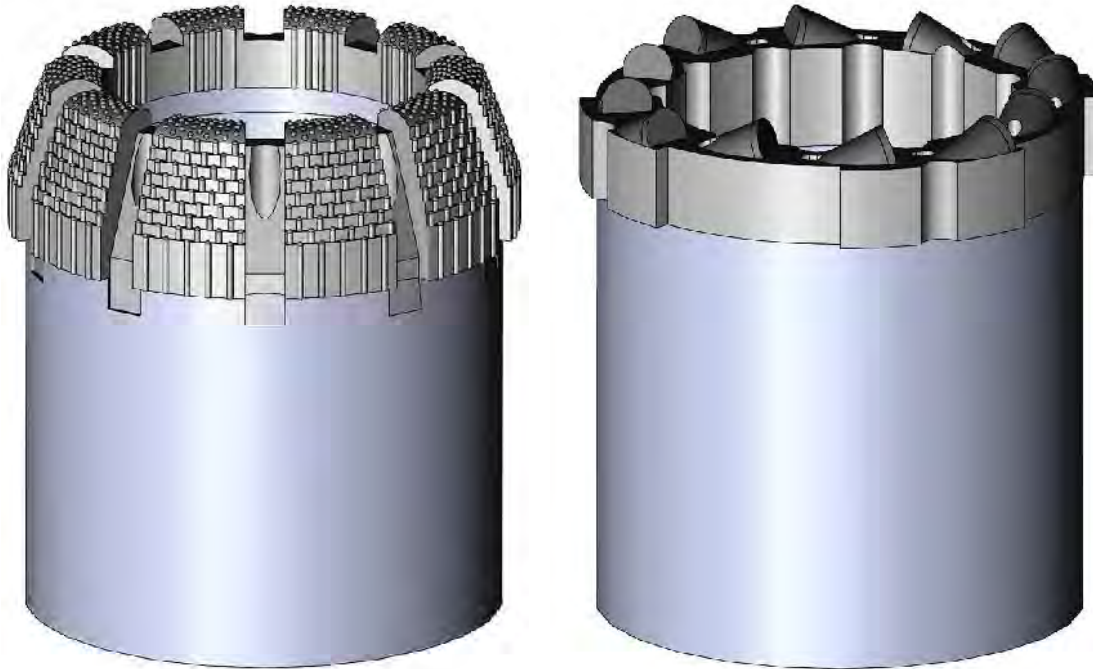
6	IXD000312	HWT Rod Shoe (Over size), DOI 6mm
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7	IXD000314	HWT Rod shoe 8ww DOI 9mm
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8	IXD000315	PWT casing shoe 10ww DOI 9mm
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9	IXD000316	PWT Casing Shoe 10ww, DOI 6mm
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**Special Bits / Bits that are not on the list are available upon request

**GEOBOR BITS**

ITEM	P/N	DESCRIPTION
1	IX00005800	Geobor S PDC bit (Face Discharge and Internal WW)
2	IX00005801	Geobor S Cubic TSP bit (Face Discharge and Internal WW)
3	IX00005802	Geobor S Imp bit (Y=9mm)(Elongated Hole)

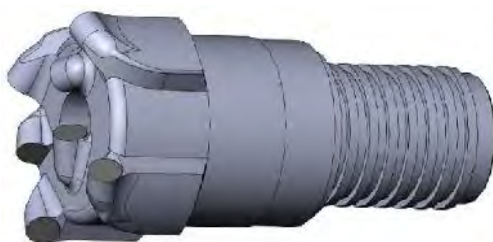
****Special Bits / Bits that are not on the list are available upon request**

PCD (POLY CRYSTALLINE DIAMOND)

Poly-Crystalline Diamond (PCD) bits are an alternative to Tungsten Carbide (TC) and surface set bits when drilling in soft to medium rock formations.

PCD bits feature TC cutters that have a PCD top layer integrally sintered to the tungsten to provide exceptional wear resistance.

These products can be used in a full-hole and/or a core-design. They are also used in sedimentary, coal, CBM/Downhole Motor (DHM) situations for fast penetration as well as in Open-Hole situations until the zone of interest is intersected. Once this occurs, core drilling can commence (for example, in coal).



PCD BIT OPEN HOLE

ITEM	P/N	DESCRIPTION
1	IX00004254	76mm PCD Bit Open Hole
2	IX00004255	96mm PCD Bit Open Hole
3	IX00004256	99mm PCD Bit Open Hole
4	IX00004257	123mm PCD Bit Open Hole
5	IX00004258	140mm PCD Bit Open Hole

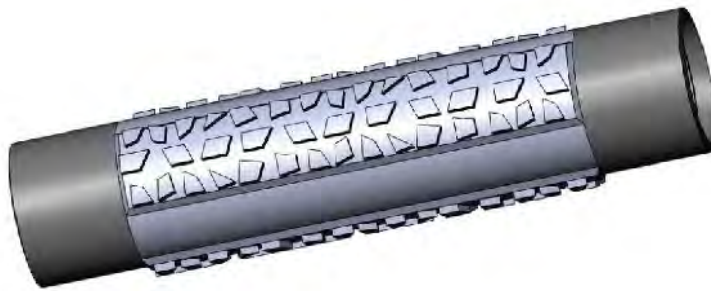
PCD BIT with Blades

ITEM	P/N	DESCRIPTION
1	IX00010261	3 7/8" x 2 3/8" Reg Pin PCD with 3 blades



PCD CORE BIT		
ITEM	P/N	DESCRIPTION
1	IX00004260	PQ3 PCD Core Bit
2	IX00004261	PQ PCD Core Bit
3	IX00004262	HQTT PCD Core Bit
4	IX00004263	HQ3 PCD Core Bit
5	IX00004264	HQ PCD Core Bit
6	IX00004265	NQTT PCD Core Bit
8	IX00004266	NQ3 PCD Core Bit
9	IX00004267	NQ PCD Core Bit

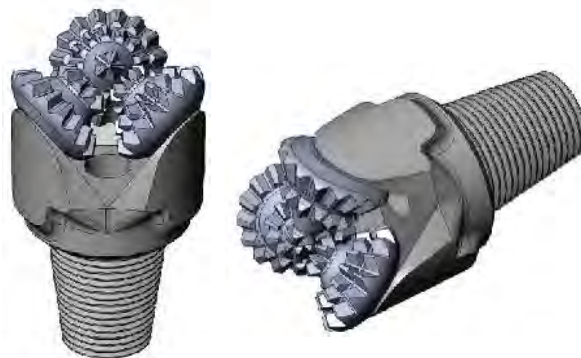
**Special Bits / Bits that are not on the list are available upon request



PCD STABILIZERS		
ITEM	P/N	DESCRIPTION
1	IX00004291	PCD Stabilizers 75mm
2	IX00004292	PCD Stabilizers 95mm
3	IX00004293	PCD Stabilizers 98mm
4	IX00004294	PCD Stabilizer 122mm
5	IX00004277	PCD Stabilizer 139mm

TRI-CONE BITS

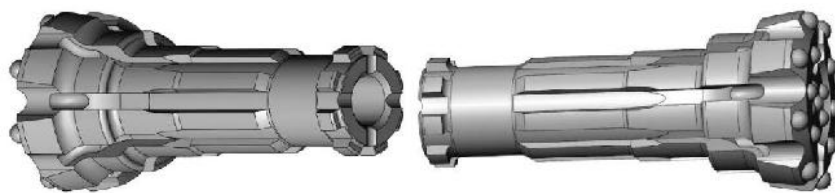
Tri-Cone bits are mostly used in soft/overburdened ground conditions to advance the hole quickly. They can also be used in the casing advancing tool to allow quick and efficient penetration of the casing to the required depth or of solid ground.



TRICONE BITS		
ITEM	P/N	DESCRIPTION
1	IX00005700	Tricone Bit 2 15/16 N Rod Pin
2	IX00005701	Tricone Bit 3 7/8 x 2 3/8 Api Reg Pin
3	IX00005702	Tricone Bit 4 7/8 x 2 7/8 Api Reg Pin
4	IX00005703	Tricone Bit 4 1/2" x 2 3/8" API Reg Pin
5	IX00005704	Tricone Bit 6" x 3 1/2" API Reg Pin

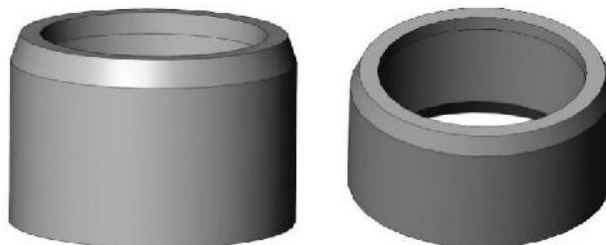
**Special Bits / Bits that are not on the list are available upon request

TH-1162 RC BITS



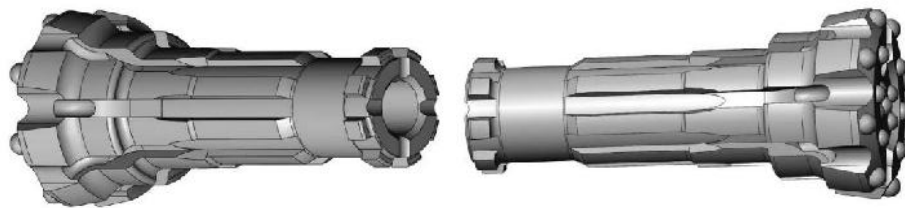
TH-1162 RC BITS		
ITEM	P/N	DESCRIPTION
1	IXRC00325	TH1162-127MM RC Bit, Concave (Spherical)
2	IXRC00326	TH1162-130MM RC Bit, Concave (Spherical)
3	IXRC00327	TH1162-133MM RC Bit, Concave (Spherical)
4	IXRC00328	TH1162-139MM RC Bit, Concave (Spherical)
5	IXRC00329	TH1162-178MM RC Bit, Concave (Spherical)
6	IXRC00336	TH1162-136MM RC Bit, Concave (Spherical)
7	IXRC00340	TH1162-121MM RC Bit, Concave (Spherical)
8	IXRC00361	TH1162-133MM RC Bits, Drop Center
9	IXRC00364	TH1162-137MM RC Bits, Drop Center
10	IXRC00394	7 3/4" (196.85mm) RC Bit to suit TH1162 Hammer
13	IXRC00804	TH1162 139mm Bits, Concave (Diamond Coated Inserts)
14	IXRC00805	TH1162-139MM BITS, Ballistic

TH-1162 RC SHROUDS



TH-1162 SHROUDS		
ITEM	P/N	DESCRIPTION
1	IXRC00330	TH1162 Shrouds (dia=130mm)
2	IXRC00331	TH1162 Shrouds (dia=129mm) for 133mm bit
3	IXRC00332	TH1162 Shrouds (dia=135mm) for 139mm bit
4	IXRC00333	TH1162 Shrouds (dia=176.5mm) for 178mm bit
5	IXRC00334	TH1162 Shrouds (dia=123mm)
6	IXRC00335	TH1162 Shrouds (dia=137mm)
7	IXRC00337	TH1162 Shrouds (dia=134.5mm)
8	IXRC00338	TH1162 Shrouds (dia=131.5mm)
9	IXRC00339	TH1162 Shrouds (dia=128.5mm)
10	IXRC00359	TH1162 Shrouds (dia=119.3mm)
11	IXRC00360	TH1162 Shrouds (dia=127mm)
12	IXRC00395	TH1162 195mm Shroud for 7 3/4" Bit

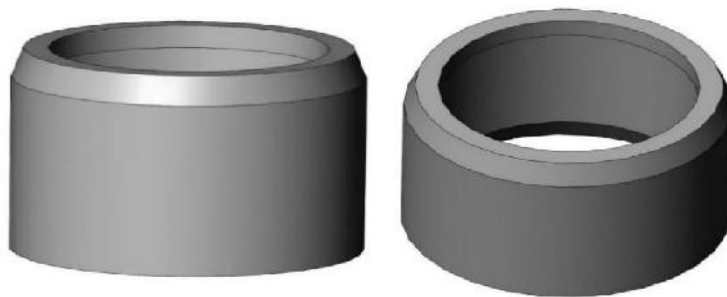
**Special Bits / Bits that are not on the list are available upon request



TH-1214 RC BITS

ITEM	P/N	DESCRIPTION
1	IXRC00129	TH1214-135mm RC bit, Flat face
2	IXRC00130	TH1214-135mm RC Bit, Concave (spherical)
3	IXRC00131	TH1214-260mm RC bit, Concave (spherical)
4	IXRC00132	TH1214-133mm RC Bit, Concave (spherical)
5	IXRC00133	TH1214-137mm RC Bit, Concave (spherical)
6	IXRC00134	TH1214-140mm RC Bit, Concave (spherical)
7	IXRC00140	TH1214-135mm RC Bit, Concave (ballistic)
8	IXRC00141	TH1214-260mm RC bit, Concave (ballistic)
9	IXRC00142	TH1214-133mm RC Bit, Concave (ballistic)
10	IXRC00143	TH1214-137mm RC Bit, Concave (ballistic)
11	IXRC00144	TH1214-140mm RC Bit, Concave (ballistic)

TH-1214 SHROUDS

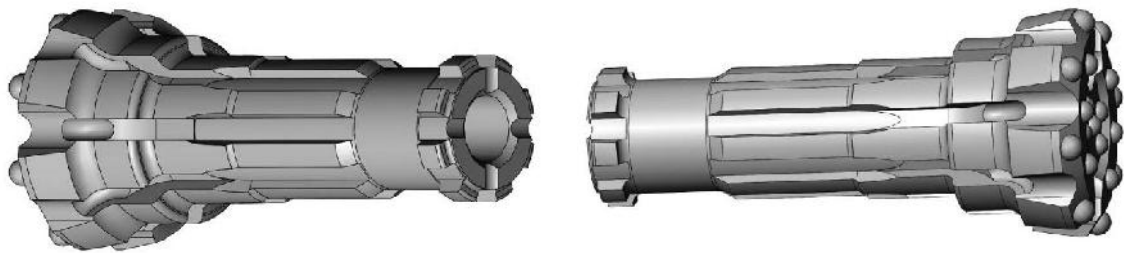


TH-1214 SHROUDS

ITEM	P/N	DESCRIPTION
1	IXRC00135	TH1214 Shrouds (dia=257mm)
2	IXRC00136	TH1214 Shrouds (dia=135mm) for 133mm bit
3	IXRC00137	TH1214 Shrouds (dia=135mm) for 137mm bit
4	IXRC00138	TH1214 Shrouds (dia=138mm) for 140mm bit
5	IXRC00139	TH1214 Shrouds (dia=125mm)

**Special Bits / Bits that are not on the list are available upon request

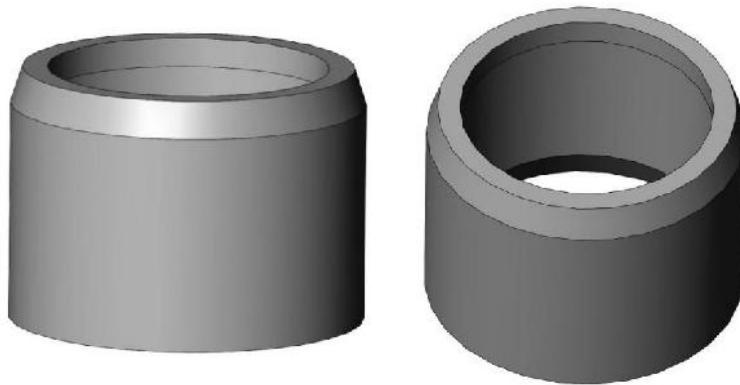
TH-1261 RC BITS



TH-1261 RC BITS

ITEM	P/N	DESCRIPTION
1	IXRC00224	TH1261-139mm RC Bit, Concave (spherical)
2	IXRC00225	TH1261-146mm RC Bit, Concave (spherical)
3	IXRC00227	TH1261-178mm RC Bit, Concave (spherical)

TH-1261 SHROUDS



TH-1261 SHROUDS

ITEM	P/N	DESCRIPTION
1	IXRC00226	TH1261 Shrouds for 146mm Bits
2	IXRC00228	TH1261 Shrouds for 178mm Bits

**Special Bits / Bits that are not on the list are available upon request

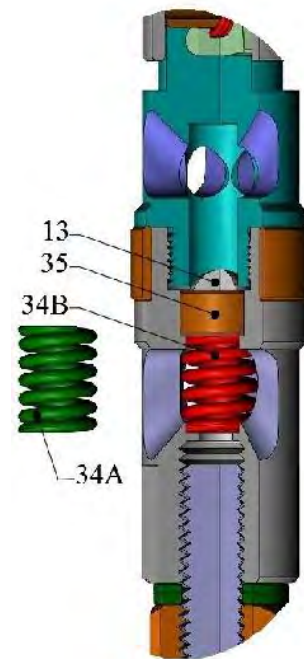
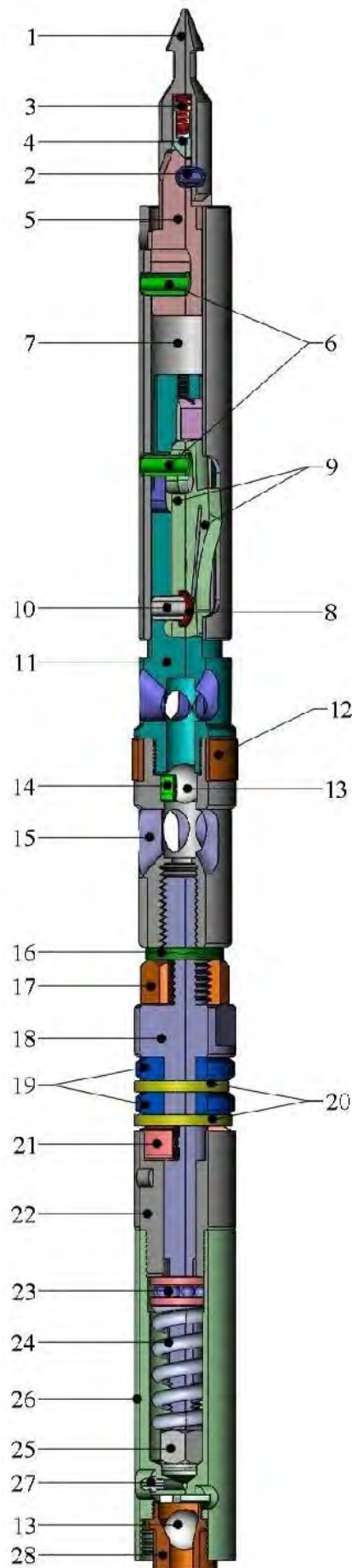
Special / Custom Made Bits		
ITEM	P/N	DESCRIPTION
1	IXD000024	NQU back end Imp reaming shell
2	IXD000025	HQU back end Imp reaming shell
3	IXD000026	NQ Rod Line Reamer OS 77mm
4	IXD000317	HQ Rod Shoe OS (94mm OD)
5	IXD0010901	NQ2" Core Bit Series 10 Matrix 20mm DOI 8ww
6	IXD003000	PWT Reaming Bit Series 10, Matrix OD 153mm x ID 115mm Matrix x 12mm
7	IXD003001	PQTT PCD C/Bits 12 Cutters 12 Ports
8	IXD003002	PQTT 5 step double dimple 6-10 spc f/disch 6 ports
9	IXD003003	PQTT Core Bit Series 1, 6 E/H With Internal W/W, 16mm Matrix (OS124.5)
10	IXD003004	PQTT Core Bit Series 6, 12 Internal W/W, 16mm Matrix (OS124.5)
11	IXD003005	HQTT Core Bit Series 6 Matrix 16mm 6ww EH O/S 98.5
12	IXD003006	HQTT Core Bit Series 8 Matrix 16mm 6ww EH O/S 98.5
13	IXD003007	Motor Reamer (BW Pin To BW Box)
14	IXD003008	HQTT Impreg Bit Series 10, FD E/H TWW, 16mm Matrix (OS98.5)
15	IXD003009	PQTT Core Bit Series 8, 12 Internal W/W, 16mm Matrix (OS124.5)
16	IXD003010	NQTT Core Bit Turbo Test Bit Series 10 Matrix 16mm DOI
17	IXD003011	NQTT Core Bit Turbo Test Bit Series 12 Matrix 16mm DOI
18	IXD003012	NQTT Core Bit Staggered Segment (Stag) Series 8 Matrix 13mm DOI
19	IXD003013	NQTT Core Bit Staggered Segment (Stag) Series 10 Matrix 13mm DOI
20	IXD003014	PWT Reaming Bit Series 6, Matrix OD 153mm x ID 115mm Matrix x 12mm
21	IXD003019	PWT Rod Shoe OS 167mm Series 4, Matrix 12mm
22	IXD003031	PWT Rod Line Reamer Imp OS 167mm
23	IXD003035	PQTT Impreg Bit Series 10, 12 Internal WW, 16mm Matrix (OS124.5)
24	IXD003036	PQTT Impreg Bit Series 1, 6 E/H with Internal W/W 13mm Matrix (OS124.5)
25	IXD003037	SW Reaming Shoe, Matrix OD 180mm x ID 142mm (SPECIAL) 6mm 10ww
26	IXD003038	PWT Reaming Bit Series 8, Matrix OD 153mm x ID 115mm Matrix x 12mm
27	IXD003039	PWT In Line Reamer OD 153mm x ID 127mm (HEAT THREATED SHANK)
28	IXD003040	HWT Rod Reaming Shoe 117.5 X 96.52
29	IXD003041	PQ Front end reamer high flow OS 125.0 mm
30	IXD003042	PQ Backend reamer high flow OS125.0mm (Indexss Latch)

**Other Special Bits / Bits that are not on the list are available upon request

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TOOLINGS CATALOGUE

PAGES 01-57



*Optional Parts for fluid retention

NQ INDEXSS LATCH HEAD ASSEMBLY

01

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1-28	IX00001849	NQ INDEXSS Latch Head Assembly	9.60	
1	IX00001505	Spearhead Point	0.19	1
2	IX00001506	Spiral Pin 7/16" X 1"	0.01	1
3	IX00001507	Compression Spring	0.01	1
4	IX00001508	Detent Plunger	0.02	1
5	IX00001509	Spearhead Base, NQ	0.51	1
6	IX00001510	Spring Pin 1/2" X 2"	0.03	2
7	IX00001850	Latch Retracting Case, NQ INDEXSS Latch	1.10	1
8	IX00001851	Latch Spring, INDEXSS Latch	0.01	1
9	IX00001852	Latch, NQ INDEXSS Latch	0.18	2
10	IX00001515	Spring Pin 1/2" X 1 1/2"	0.02	1
11	IX00001853	Upper Latch Body, NQ INDEXSS Latch	1.22	1
12	IX00001900	Landing Shoulder	0.11	1
13	IX00001534	7/8" Stainless Steel Ball	0.04	2
14	IX00001855	Latch Indicator Bushing, Standard	0.01	1
15	IX00001901	Lower Latch Body	1.10	1
16	IX00001858	Nord Lock Washer 1 1/8"	0.04	1
17	IX00001521	Lock Nut, 1 1/8" UNC	0.17	1
18	IX00001522	Spindle Assy, NQ	1.47	1
19	IX00001524	Shut-Off Valve Hard, NQ	0.03	2
20	IX00001525	Valve Adjusting Washer, NQ	0.05	2
21	IX00001526	Ball Thrust Bearing	0.17	1
22	IX00001527	Spindle Bearing, NQ	0.82	1
23	IX00001528	Hanger Bearing	0.09	1
24	IX00001529	Compression Spring	0.20	1
25	IX00001530	Self Lock Nut, 3/4" UNC	0.05	1
26-28	IX00001531	Inner Tube Cap Assy., NQ	1.61	1
26	IX00001532	Inner Tube Cap Only, NQ	1.34	1
27	IX00001533	Grease Fitting	0.01	1
28	IX00001535	Check Valve Body	0.21	1

OPTIONS

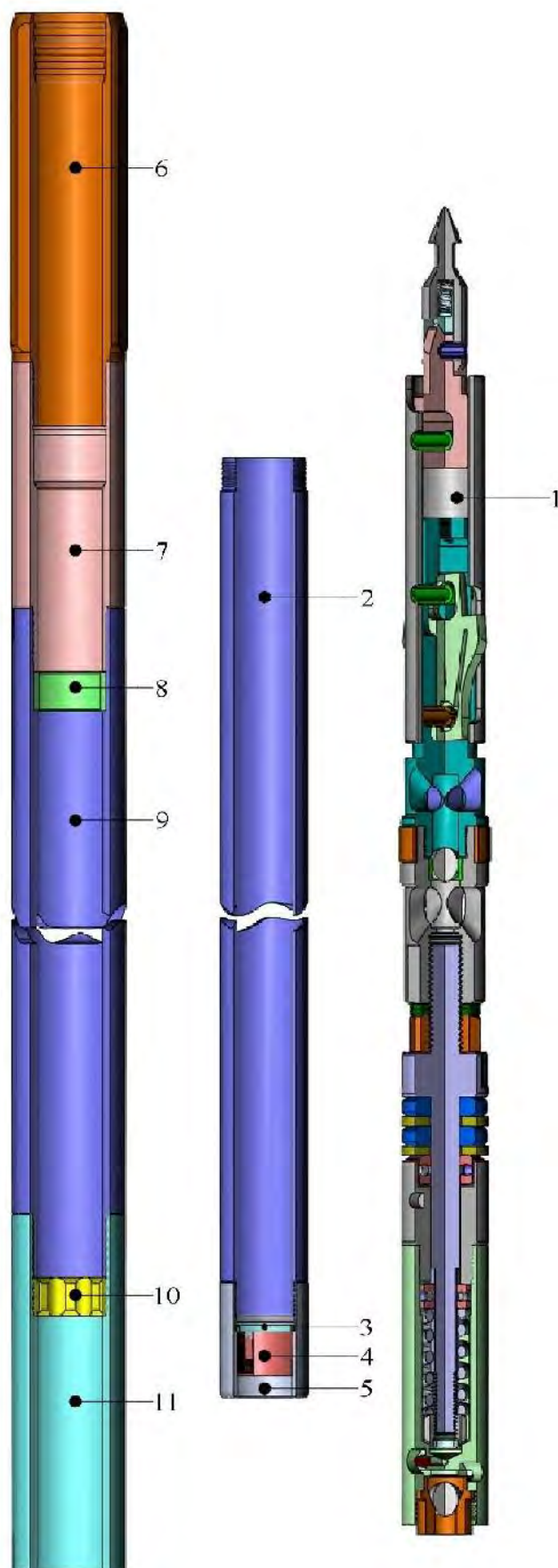
*14	IX00001856	Latch Indicator Bushing, Deep Hole	0.01	
*19	IX00001523	Shut-Off Valve Soft, NQ	0.03	

OPTIONAL FLUID RETENTION KIT

ITEM	P/N	DESCRIPTION	KG	QTY.
35	IX00001802	Fluid Retention Bushing (STEEL)	0.03	
13	IX00001534	7/8" Stainless Steel Ball	0.04	
34a	IX00001951	Fluid Retention Spring Medium, Green	0.05	
34b	IX00001803	Fluid Retention Spring Light, Red	0.05	

*Not included in supply of Core Barrel Assy

B



NQ INDEXSS LATCH CORE BARREL ASSEMBLY

02

COMPLETE NQ INDEXSS LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001845	NQ INDEXSS Latch Core Barrel Assy 1.5M	41.31
	IX00001846	NQ INDEXSS Latch Core Barrel Assy 3.0M	62.81

COMPLETE NQ INDEXSS LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001847	NQ INDEXSS Latch Inner Tube Assy 1.5M	15.36
	IX00001848	NQ INDEXSS Latch Inner Tube Assy 3.0M	20.96

PARTS LIST

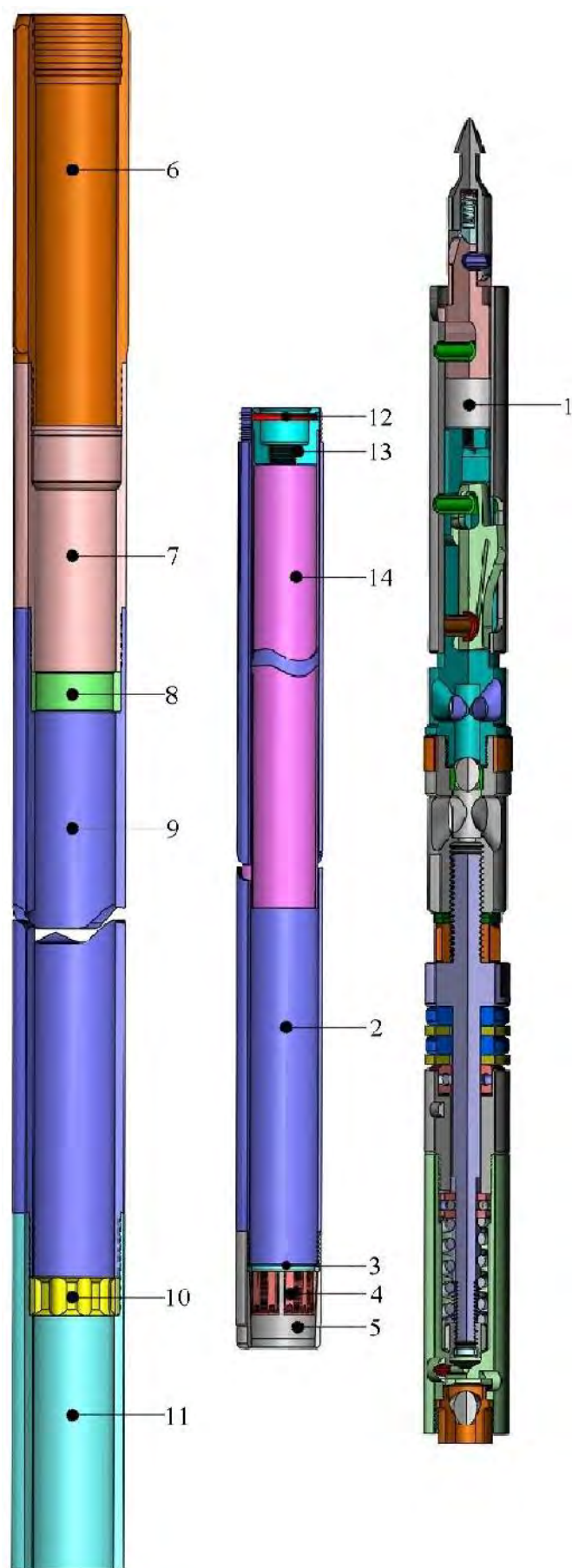
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001849	NQ INDEXSS Latch Head Assembly	9.60	1
2b	IX00001536	Inner Tube 1.5M, NQ	5.50	1
2a	IX00001537	Inner Tube 3.0M, NQ	11.10	1
3	IX00001538	Stop Ring, NQ D/T	0.01	1
4	IX00001539	Core Lifter, NQ D/T (Fine)	0.05	1
5	IX00001540	Core Case, NQ D/T	0.20	1
6	IX00001541	Locking Coupling, NQ	2.44	1
7	IX00001542	Adaptor Coupling, NQ	1.45	1
8	IX00001543	Landing Ring, NQ	0.18	1
9a	IX00001544	Outer Tube 1.5M, NQ	20.00	1
9b	IX00001545	Outer Tube 3.0M, NQ	35.90	1
10	IX00001546	Inner Tube Stabiliser, NQ	0.19	1
11	IX00001547	Thread Protector, NQ	1.69	1

PARTS LIST

ITEM	P/N	DESCRIPTION	KG
*4	IX00001932	Core Lifter, NQ D/T (Coarse)	0.05
*	IX00001548	Inner Tube Wrenches, NQ	1.70

*Not included in supply of Core Barrel Assy

B



NQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

03

COMPLETE NQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001860	NQ3 INDEXSS Latch Core Barrel Assy 1.5M	43.98
	IX00001861	NQ3 INDEXSS Latch Core Barrel Assy 3.0M	67.78

COMPLETE NQ3 INDEXSS LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001862	NQ3 INDEXSS Latch Inner Tube Assy 1.5M	18.03
	IX00001863	NQ3 INDEXSS Latch Inner Tube Assy 3.0M	25.62

PARTS LIST

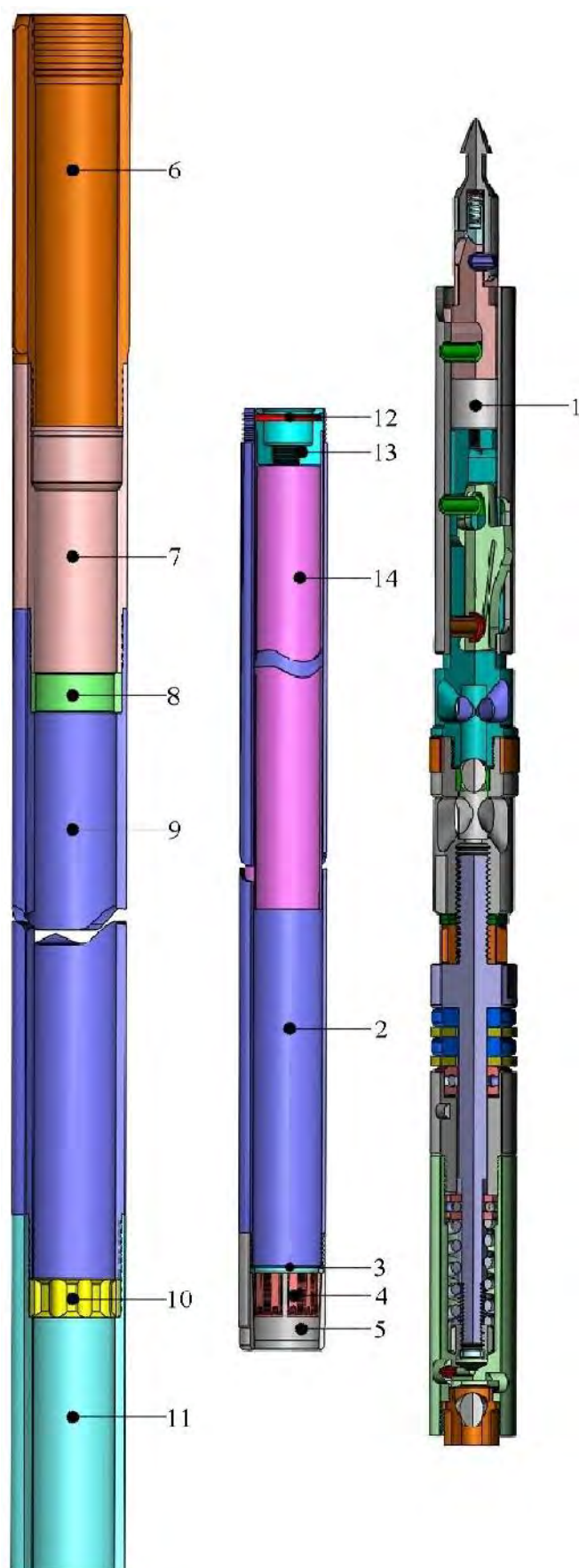
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001849	NQ INDEXSS Latch Head Assembly	9.60	1
2a	IX00001536	Inner Tube 1.5M, NQ	5.50	1
2b	IX00001537	Inner Tube 3.0M, NQ	11.10	1
3	IX00001557	Stop Ring, NQ3	0.01	1
4	IX00001558	Core Lifter, NQ3 (Fine)	0.05	1
5	IX00001559	Core Case, NQ3	0.26	1
6	IX00001541	Locking Coupling, NQ	2.44	1
7	IX00001542	Adaptor Coupling, NQ	1.45	1
8	IX00001543	Landing Ring, NQ	0.18	1
9a	IX00001544	Outer Tube 1.5M, NQ	20.00	1
9b	IX00001545	Outer Tube 3.0M, NQ	35.90	1
10	IX00001546	Inner Tube Stabiliser, NQ	0.19	1
11	IX00001547	Thread Protector, NQ	1.69	1
12	IX00001553	O-Ring, NQ	0.01	1
13	IX00001554	Core Pump Out Piston, NQ	0.30	1
14a	IX00001555	Split 1.5M/Set, NQ	2.30	1
14b	IX00001556	Split 3.0M/Set, NQ	4.60	1

OPTIONS

*	IX00001560	Core Pump Out Adapter, NQ	1.08
*	IX00001561	Piston Plug	0.19
*4	IX00001933	Core Lifter, NQ3 (Coarse)	0.05
*	IX00001548	Inner Tube Wrenches, NQ	1.70

*Not included in supply of Core Barrel Assy

B



NQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

TT CORE CASE

04

COMPLETE NQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00010903	NQ3 Indexss Latch Core Barrel Assy 1.5M (w/ TT Core Case)	43.98
	IX00010904	NQ3 Indexss Latch Core Barrel Assy 3.0M (w/ TT Core Case)	67.78

COMPLETE NQ3 INDEXSS LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00010905	NQ3 Indexss Latch Inner Tube Assy 1.5M (w/ TT Core Case)	18.03
	IX00010906	NQ3 Indexss Latch Inner Tube Assy 3.0M (w/ TT Core Case)	25.62

PARTS LIST

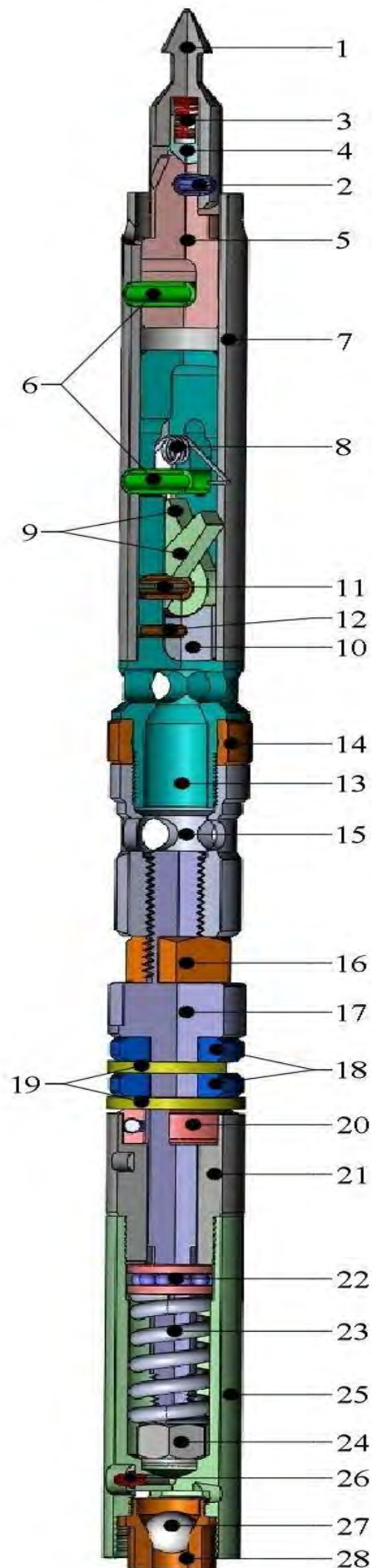
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001849	NQ INDEXSS Latch Head Assembly	9.60	1
2a	IX00001536	Inner Tube 1.5M, NQ	5.50	1
2b	IX00001537	Inner Tube 3.0M, NQ	11.10	1
3	IX00001557	Stop Ring, NQ3	0.01	1
4	IX00001558	Core Lifter, NQ3 (Fine)	0.05	1
5	IX00001562	Core Lifter Case, NQTT	0.26	1
6	IX00001541	Locking Coupling, NQ	2.44	1
7	IX00001542	Adaptor Coupling, NQ	1.45	1
8	IX00001543	Landing Ring, NQ	0.18	1
9a	IX00001544	Outer Tube 1.5M, NQ	20.00	1
9b	IX00001545	Outer Tube 3.0M, NQ	35.90	1
10	IX00001546	Inner Tube Stabiliser, NQ	0.19	1
11	IX00001547	Thread Protector, NQ	1.69	1
12	IX00001553	O-Ring, NQ	0.01	1
13	IX00001554	Core Pump Out Piston, NQ	0.30	1
14a	IX00001555	Split 1.5M/Set, NQ	2.30	1
14b	IX00001556	Split 3.0M/Set, NQ	4.60	1

OPTIONS

*	IX00001560	Core Pump Out Adapter, NQ	1.08	
*	IX00001561	Piston Plug	0.19	
*4	IX00001933	Core Lifter, NQ3 (Coarse)	0.05	
9b	IX00006119	Outer Tube 3.0M, NQ (Full Hole)	42.10	
*	IX00001548	Inner Tube Wrenches, NQ	1.7	

*Not included in supply of Core Barrel Assy

B



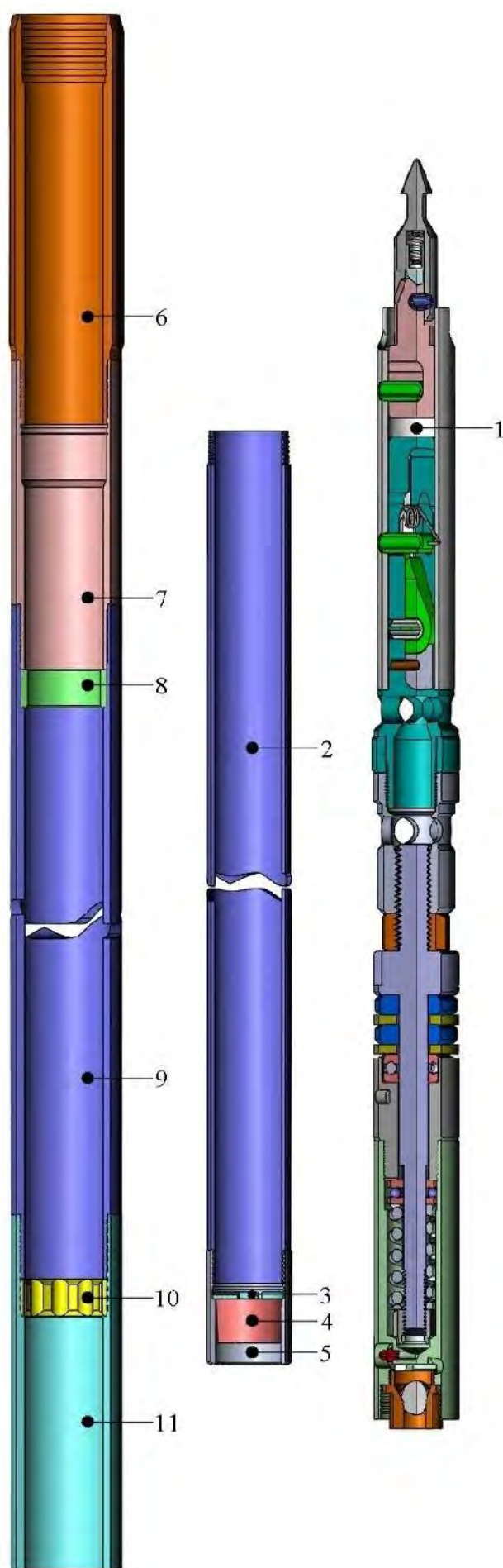
NQ CORE BARREL HEAD ASSEMBLY

05

PARTS LIST				
ITEM	P/N	DESCRIPTION	KG	QTY.
1-28	IX00001504	NQ Head Assembly	9.37	
1	IX00001505	Spearhead Point	0.19	1
2	IX00001506	Spiral Pin 7/16" X 1"	0.01	1
3	IX00001507	Compression Spring	0.01	1
4	IX00001508	Detent Plunger	0.02	1
5	IX00001509	Spearhead Base, NQ	0.51	1
6	IX00001510	Spring Pin 1/2" X 2"	0.03	2
7	IX00001511	Latch Retracting Case, NQ	1.18	1
8	IX00001512	Latch Spring, NQ	0.01	1
9	IX00001513	Spring Latch System, NQ	0.13	2
10	IX00001514	Latch Support, NQ	0.11	1
11	IX00001515	Spring Pin 1/2" X 1 1/2"	0.02	1
12	IX00001516	Spring Pin 1/4" X 1 1/2"	0.01	1
13	IX00001518	Upper Latch Body, NQ	1.28	1
14	IX00001519	Landing Shoulder, NQ	0.21	1
15	IX00001520	Lower Latch Body, NQ	0.75	1
16	IX00001521	Lock Nut, 1 1/8" UNC	0.17	1
17	IX00001522	Spindle Assy, NQ	1.47	1
18	IX00001524	Shut-Off Valve Hard, NQ	0.03	2
19	IX00001525	Valve Adjusting Washer, NQ	0.05	2
20	IX00001526	Ball Thrust Bearing	0.17	1
21	IX00001527	Spindle Bearing, NQ	0.82	1
22	IX00001528	Hanger Bearing	0.09	1
23	IX00001529	Compression Spring	0.20	1
24	IX00001530	Self Lock Nut, 3/4" UNC	0.05	1
25-28	IX00001531	Inner Tube Cap Assy., NQ	1.61	1
25	IX00001532	Inner Tube Cap Only, NQ	1.34	1
26	IX00001533	Grease Fitting	0.01	1
27	IX00001534	7/8" Stainless Steel Ball	0.04	1
28	IX00001535	Check Valve Body	0.21	1
OPTIONS				
*18	IX00001523	Shut-Off Valve Soft, NQ	0.03	

*Not included in supply of Core Barrel Assy

B



COMPLETE NQ CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00001500	NQ Core Barrel Assy 1.5M	41.08	
	IX00001501	NQ Core Barrel Assy 3.0M	62.58	

COMPLETE NQ INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00001502	NQ Inner Tube Assy 1.5M	17.60	
	IX00001503	NQ Inner Tube Assy 3.0M	20.73	

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001504	NQ Head Assembly	9.37	1
2b	IX00001536	Inner Tube 1.5M, NQ	5.50	1
2a	IX00001537	Inner Tube 3.0M, NQ	11.10	1
3	IX00001538	Stop Ring, NQ D/T	0.01	1
4	IX00001539	Core Lifter, NQ D/T (Fine)	0.05	1
5	IX00001540	Core Case, NQ D/T	0.2	1
6	IX00001541	Locking Coupling, NQ	2.44	1
7	IX00001542	Adaptor Coupling, NQ	1.45	1
8	IX00001543	Landing Ring, NQ	0.18	1
9a	IX00001544	Outer Tube 1.5M, NQ	20.00	1
9b	IX00001545	Outer Tube 3.0M, NQ	35.90	1
10	IX00001546	Inner Tube Stabiliser, NQ	0.19	1
11	IX00001547	Thread Protector, NQ	1.69	1

OPTIONS

*4	IX00001932	Core Lifter, NQ D/T (Coarse)	0.05	
*	IX00001548	Inner Tube Wrenches, NQ	1.70	

*Not included in supply of Core Barrel Assy



NQ3 CORE BARREL ASSEMBLY

07

COMPLETE NQ3 CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00001549	NQ3 Core Barrel Assy 1.5M	43.75	
	IX00001550	NQ3 Core Barrel Assy 3.0M	67.55	

COMPLETE NQ3 INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00001551	NQ3 Inner Tube Assy 1.5M	19.19	
	IX00001552	NQ3 Inner Tube Assy 3.0M	27.09	

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001504	NQ Head Assembly	9.37	1
2a	IX00001536	Inner Tube 1.5M, NQ	5.50	1
2b	IX00001537	Inner Tube 3.0M, NQ	11.10	1
3	IX00001557	Stop Ring, NQ3	0.01	1
4	IX00001558	Core Lifter, NQ3 (Fine)	0.05	1
5	IX00001559	Core Case, NQ3	0.26	1
6	IX00001541	Locking Coupling, NQ	2.44	1
7	IX00001542	Adaptor Coupling, NQ	1.45	1
8	IX00001543	Landing Ring, NQ	0.18	1
9a	IX00001544	Outer Tube 1.5M, NQ	20.00	1
9b	IX00001545	Outer Tube 3.0M, NQ	35.90	1
10	IX00001546	Inner Tube Stabiliser, NQ	0.19	1
11	IX00001547	Thread Protector, NQ	1.69	1
12	IX00001553	O-Ring, NQ	0.01	1
13	IX00001554	Core Pump Out Piston, NQ	0.30	1
14a	IX00001555	Split 1.5M/Set, NQ	2.30	1
14b	IX00001556	Split 3.0M/Set, NQ	4.60	1

OPTIONS

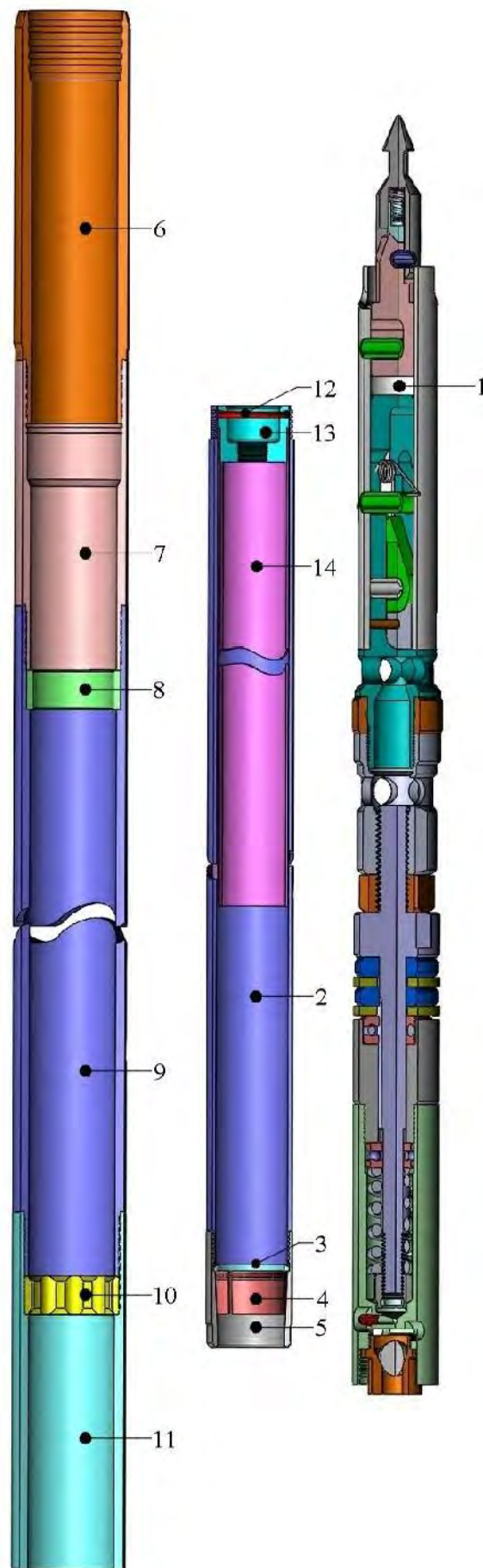
*	IX00001560	Core Pump Out Adapter, NQ	1.08	
*	IX00001561	Piston Plug	0.19	
*4	IX00001933	Core Lifter, NQ3 (Coarse)	0.05	
*	IX00001548	Inner Tube Wrenches, NQ	1.7	

*Not included in supply of Core Barrel Assy

B

NQ3 CORE BARREL ASSEMBLY

TT CORE CASE



NQ3 CORE BARREL ASSEMBLY

TT CORE CASE

08

COMPLETE NQ3 CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00010895	NQ3 Core Barrel Assy 1.5M (w/ TT Core Case)	43.75	
	IX00010896	NQ3 Core Barrel Assy 3.0M (w/ TT Core Case)	67.55	

COMPLETE NQ3 INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00010897	NQ3 Inner Tube Assy 1.5M (w/ TT Core Case)	19.19	
	IX00010898	NQ3 Inner Tube Assy 3.0M (w/ TT Core Case)	27.09	

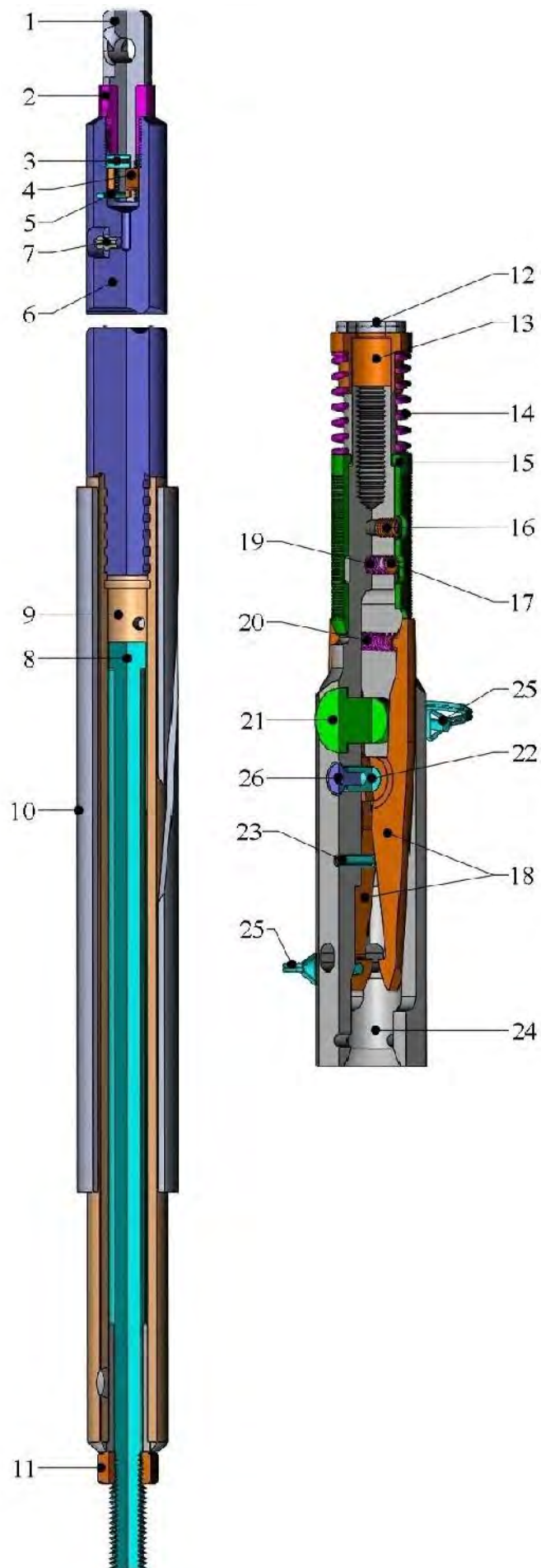
PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001504	NQ Head Assembly	9.37	1
2a	IX00001536	Inner Tube 1.5M, NQ	5.50	1
2b	IX00001537	Inner Tube 3.0M, NQ	11.10	1
3	IX00001557	Stop Ring, NQ3	0.01	1
4	IX00001558	Core Lifter, NQ3 (Fine)	0.05	1
5	IX00001562	Core Lifter Case, NQTT	0.26	1
6	IX00001541	Locking Coupling, NQ	2.44	1
7	IX00001542	Adaptor Coupling, NQ	1.45	1
8	IX00001543	Landing Ring, NQ	0.18	1
9a	IX00001544	Outer Tube 1.5M, NQ	20.00	1
9b	IX00001545	Outer Tube 3.0M, NQ	35.90	1
10	IX00001546	Inner Tube Stabiliser, NQ	0.19	1
11	IX00001547	Thread Protector, NQ	1.69	1
12	IX00001553	O-Ring, NQ	0.01	1
13	IX00001554	Core Pump Out Piston, NQ	0.30	1
14a	IX00001555	Split 1.5M/Set, NQ	2.30	1
14b	IX00001556	Split 3.0M/Set, NQ	4.60	1

OPTIONS

*	IX00001560	Core Pump Out Adapter, NQ	1.08	
*	IX00001561	Piston Plug	0.19	
*4	IX00001933	Core Lifter, NQ3 (Coarse)	0.05	
*	IX00001548	Inner Tube Wrenches, NQ	1.7	

*Not included in supply of Core Barrel Assy



NQ INDEXSS LOCK OVERSHOT ASSEMBLY

09

COMPLETE NQ INDEXSS LOCK OVERSHOT ASSEMBLY

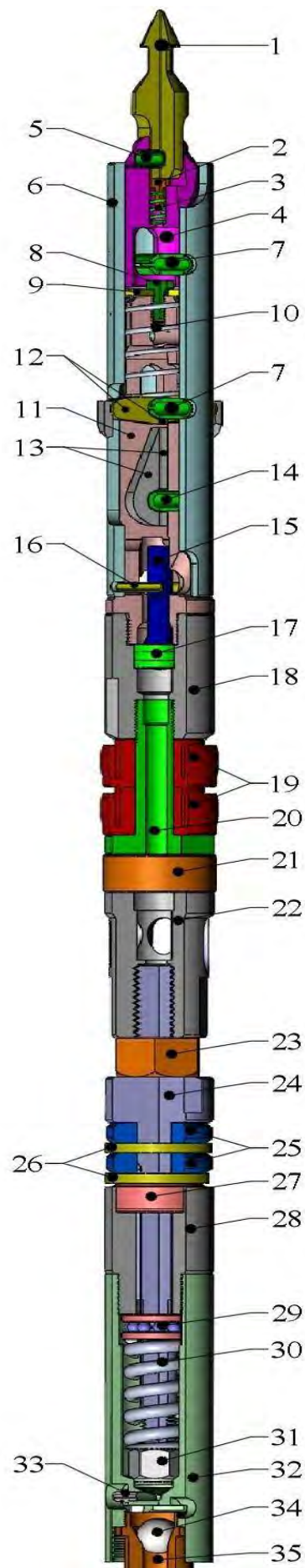
ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00002006	NQ INDEXSS LOCK Overshot Assembly	16.90	
	IX00001564	Cable Swivel Assembly	0.29	

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001565	Eye Bolt	0.30	1
2	IX00001566	Cable Swivel Collar	0.11	1
3	IX00001567	Thrust Bearing	0.06	1
4	IX00001568	Nut	0.05	1
5	IX00001569	Cotter Pin 3/32" X 1"	0.01	1
6	IX00001570	Cable Swivel Body	7.23	1
7	IX00001533	Grease Fitting	0.01	1
8	IX00001572	Jar Staff	0.66	1
9	IX00001571	Jar Tube Weldment	2.83	1
10	IX00001573	Locking Sleeve	1.27	1
11	IX00001574	Lock Nut	0.02	1
12	IX00001835	Washer 3/4" Nord-Lock	0.01	1
13	IX00001836	Overshot Cap, INDEXSS LOCK	0.10	1
14	IX00001837	Overshot Spring, INDEXSS LOCK	0.04	1
15	IX00001838	Overshot Sleeve, INDEXSS LOCK	0.28	1
16	IX00001575	Machine Screw 3/8"-16 X 1 1/2"	0.01	1
17	IX00001840	Ball 1 1/32"	0.01	2
18	IX00001580	Lifting Dog	0.25	2
19	IX00001839	Compression Spring	0.01	1
20	IX00001579	Lifting Dog Spring	0.01	1
21	IX00001940	Overshot Safety Pin, NQ	0.06	1
22	IX00001576	Overshot Head Pivot Pin™, NQ	0.08	1
23	IX00001577	Spring Pin 1/4" X 1 3/4"	0.01	1
24	IX00002009	Overshot Head,NQ INDEXSS LOCK	2.50	1
25	IX00001842	Locking Pin	0.03	2
26	IX00002011	C/sunk S/H Cap Screw M8 X 1.25	0.01	1

B

NQU LINK LATCH HEAD ASSEMBLY



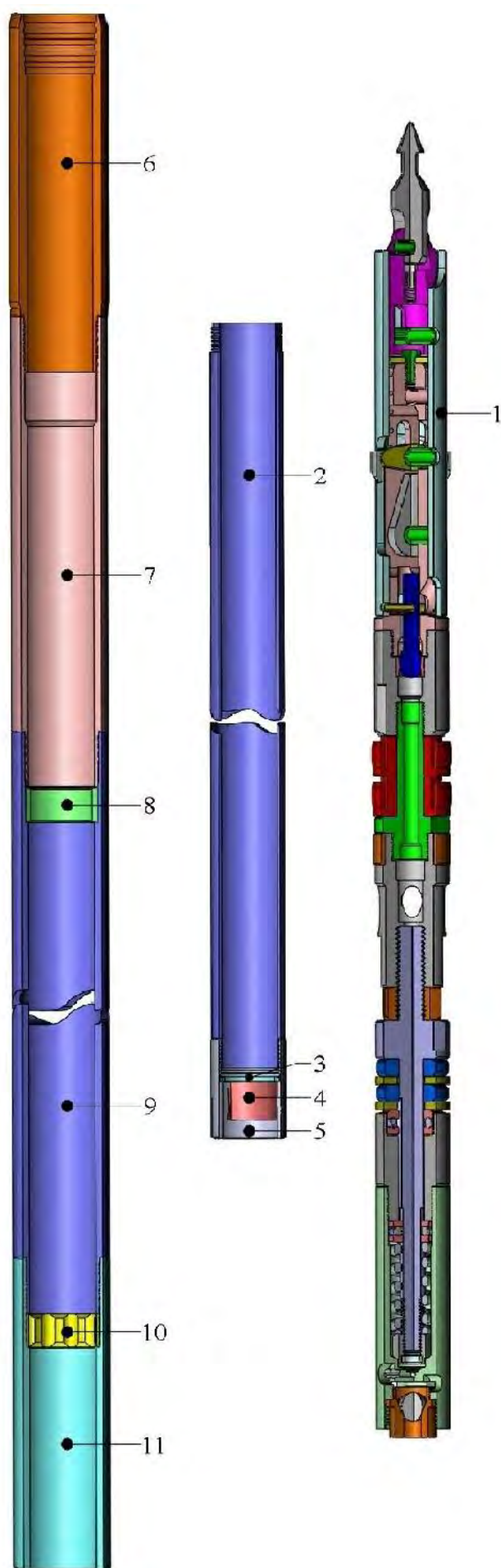
NQU LINK LATCH HEAD ASSEMBLY

10

PARTS LIST				
ITEM	P/N	DESCRIPTION	KG	QTY.
1-35	IX00001909	NQU LINK Latch Head Assembly	11.82	
1	IX00002000	Spearhead point	0.25	1
2	IX00002002	Spearhead Plunger	0.01	1
3	IX00002001	Spring, (Heavy Duty)	0.01	1
4	IX00002004	Spearhead Body, NQU	0.47	1
5	IX00001506	Spiral Pin 7/16" x 1"	0.01	1
6	IX00001906	Latch Retracting Case, NQU	1.71	1
7	IX00001510	Spring Pin 1/2" X 2"	0.03	2
8	IX00001792	Bolt 3/8" - 16UNC x 3/4"	0.01	1
9	IX00002014	Washer, NQU	0.04	1
10	IX00001905	Latch Compression Spring, NQU	0.06	1
11	IX00001912	Upper Latch Body, NQU	1.06	1
12	IX00001908	Link, NQU	0.03	2
13	IX00001904	Link Latch, NQU	0.14	2
14	IX00001515	Spring Pin 1/2" x 1-1/2"	0.02	1
15	IX00001878	Valve Piston, NQ	0.08	1
16	IX00001636	Spring Pin 1/4" x 2"	0.01	1
17	IX00001855	Latch Indicator Bushing, Standard	0.01	1
18	IX00001903	Adapter, NQU	1.00	1
19	IX00010148	Lip Seal, NQU	0.06	2
20	IX00001911	Seal Seat, NQU	0.56	1
21	IX00001900	Landing Shoulder	0.11	1
22	IX00001901	Lower Latch Body	1.10	1
23	IX00001521	Lock Nut, 1 1/8" UNC	0.17	1
24	IX00001522	Spindle Assy, NQ	1.47	1
25	IX00001524	Shut-Off Valve Hard, NQ	0.03	2
26	IX00001525	Valve Adjusting Washer, NQ	0.05	2
27	IX00001526	Ball Thrust Bearing	0.17	1
28	IX00001527	Spindle Bearing, NQ	0.82	1
29	IX00001528	Hanger Bearing	0.09	1
30	IX00001529	Compression Spring	0.20	1
31	IX00001530	Self Lock Nut, 3/4" UNC	0.05	1
32-35	IX00001531	Inner Tube Cap Assy., NQ	1.61	1
32	IX00001532	Inner Tube Cap Only, NQ	1.34	1
33	IX00001533	Grease Fitting	0.01	1
34	IX00001534	7/8" Stainless Steel Ball	0.04	1
35	IX00001535	Check Valve Body	0.21	1
OPTIONS				
*17	IX00001856	Latch Indicator Bushing, Deep Hole	0.01	
*25	IX00001523	Shut-Off Valve Soft, NQ	0.03	

*Not included in supply of Core Barrel Assy

B



NQU LINK LATCH CORE BARREL ASSEMBLY

11

COMPLETE NQU LINK LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001975	NQU LINK Latch Core Barrel Assy 1.5M	45.08
	IX00001976	NQU LINK Latch Core Barrel Assy 3.0M	66.58

COMPLETE NQU LINK LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001977	NQU LINK Latch Inner Tube Assy 1.5M	17.58
	IX00001978	NQU LINK Latch Inner Tube Assy 3.0M	23.18

PARTS LIST

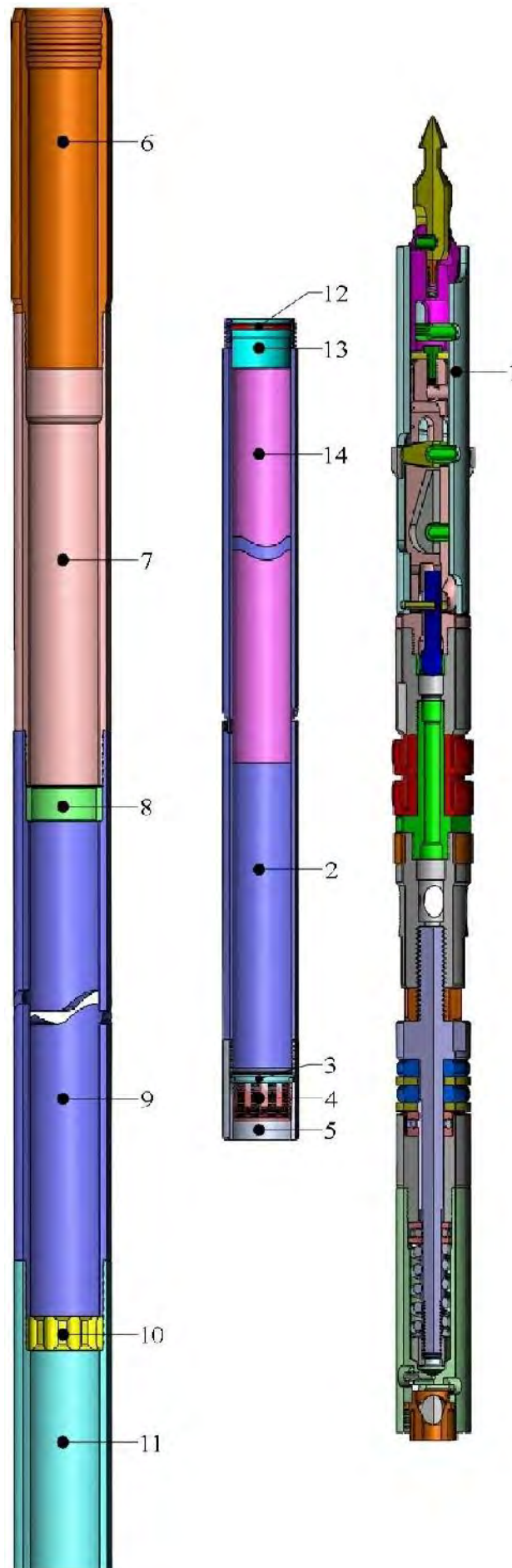
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001909	NQU LINK Latch Head Assembly	11.82	1
2b	IX00001536	Inner Tube 1.5M, NQ	5.50	1
2a	IX00001537	Inner Tube 3.0M, NQ	11.10	1
3	IX00001538	Stop Ring, NQ D/T	0.01	1
4	IX00001539	Core Lifter, NQ D/T (Fine)	0.05	1
5	IX00001540	Core Case, NQ D/T	0.20	1
6	IX00001541	Locking Coupling, NQ	2.44	1
7	IX00002013	Adaptor Coupling, NQU	3.00	1
8	IX00001543	Landing Ring, NQ	0.18	1
9a	IX00001544	Outer Tube 1.5M, NQ	20.00	1
9b	IX00001545	Outer Tube 3.0M, NQ	35.90	1
10	IX00001546	Inner Tube Stabiliser, NQ	0.19	1
11	IX00001547	Thread Protector, NQ	1.69	1

OPTIONS

*4	IX00001932	Core Lifter, NQ D/T (Coarse)	0.05	
*	IX00001548	Inner Tube Wrenches, NQ	1.70	

*Not included in supply of Core Barrel Assy

B



NQU3 LINK LATCH CORE BARREL ASSEMBLY

12

COMPLETE NQU-3 LINK LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001979	NQU3 LINK Latch Core Barrel Assy 1.5M	47.78
	IX00001980	NQU3 LINK Latch Core Barrel Assy 3.0M	71.58

COMPLETE NQU-3 LINK LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001981	NQU3 LINK Latch Inner Tube Assy 1.5M	20.25
	IX00001982	NQU3 LINK Latch Inner Tube Assy 3.0M	28.15

PARTS LIST

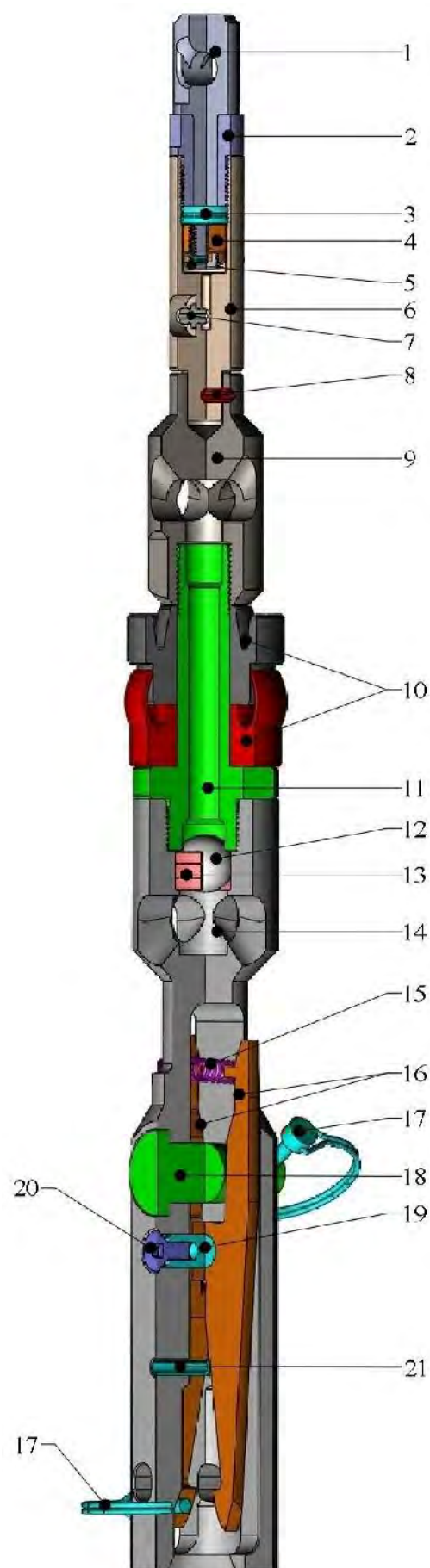
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001909	NQU LINK Latch Head Assembly	11.82	1
2a	IX00001536	Inner Tube 1.5M, NQ	5.50	1
2b	IX00001537	Inner Tube 3.0M, NQ	11.10	1
3	IX00001557	Stop Ring, NQ3	0.01	1
4	IX00001558	Core Lifter, NQ3 (Fine)	0.05	1
5	IX00001559	Core Case, NQ3	0.26	1
6	IX00001541	Locking Coupling, NQ	2.44	1
7	IX00002013	Adaptor Coupling, NQU	3.03	1
8	IX00001543	Landing Ring, NQ	0.18	1
9a	IX00001544	Outer Tube 1.5M, NQ	20.00	1
9b	IX00001545	Outer Tube 3.0M, NQ	35.90	1
10	IX00001546	Inner Tube Stabiliser, NQ	0.19	1
11	IX00001547	Thread Protector, NQ	1.69	1
12	IX00001553	O-Ring, NQ	0.01	1
13	IX00001554	Core Pump Out Piston, NQ	0.30	1
14a	IX00001555	Split 1.5M/Set, NQ	2.30	1
14b	IX00001556	Split 3.0M/Set, NQ	4.60	1

OPTIONS

*	IX00001560	Core Pump Out Adapter, NQ	1.08	
*	IX00001561	Piston Plug	0.19	
*4	IX00001933	Core Lifter, NQ3 (Coarse)	0.05	
*5	IX00001562	Core Lifter Case, NQ TT	0.25	
*	IX00001548	Inner Tube Wrenches, NQ	1.70	

*Not included in supply of Core Barrel Assy

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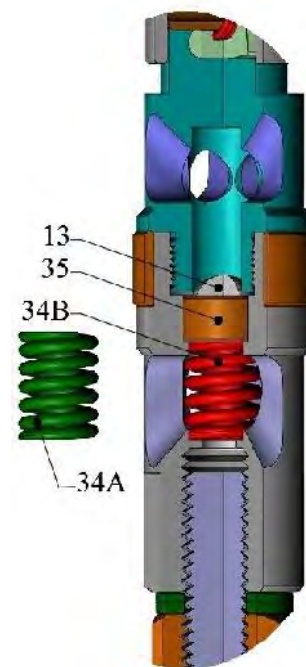
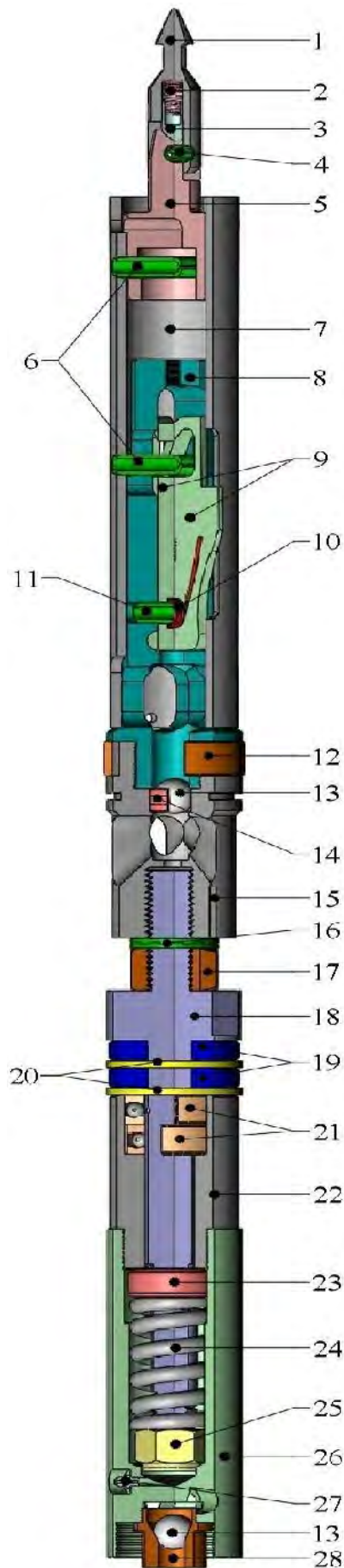


COMPLETE NQU OVERSHOT ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001910	NQU Overshot Assembly	5.52
	IX00001564	Cable Swivel Assembly	0.29

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001565	Eye Bolt	0.30	1
2	IX00001566	Cable Swivel Collar	0.11	1
3	IX00001567	Thrust Bearing	0.06	1
4	IX00001568	Nut	0.05	1
5	IX00001569	Cotter Pin 3/32" X 1"	0.01	1
6	IX00001943	Cable Swivel Body	0.28	1
7	IX00001533	Grease Fitting	0.01	1
8	IX00001963	Spring Pin 3/16" x 1 1/8"	0.01	1
9	IX00001944	Over-Shot Upper Body, NQU	0.56	1
10	IX00001945	Overshot INDEXSS Pump-in Lip Seal Assy, NQU	0.13	1
11	IX00001911	Seal seat, NQU	0.56	1
12	IX00001534	7/8" Stainless Steel Ball	0.04	1
13	IX00001855	Latch Indicator Bushing, Standard	0.01	1
14	IX00001946	Over-Shot Head, NQU	2.66	1
15	IX00001579	Lifting Dog Spring	0.01	1
16	IX00001580	Lifting Dog	0.25	2
17	IX00001842	Locking Pin	0.03	2
18	IX00001940	Overshot Safety Pin, NQ	0.06	1
19	IX00001576	Overshot Head Pivot Pin™, NQ	0.08	1
20	IX00002011	C/sunk S/H Cap Screw M8 X 1.25	0.01	1
21	IX00001577	Spring Pin 1/4" X 1 3/4"	0.01	1



*Optional Parts for Fluid Retention

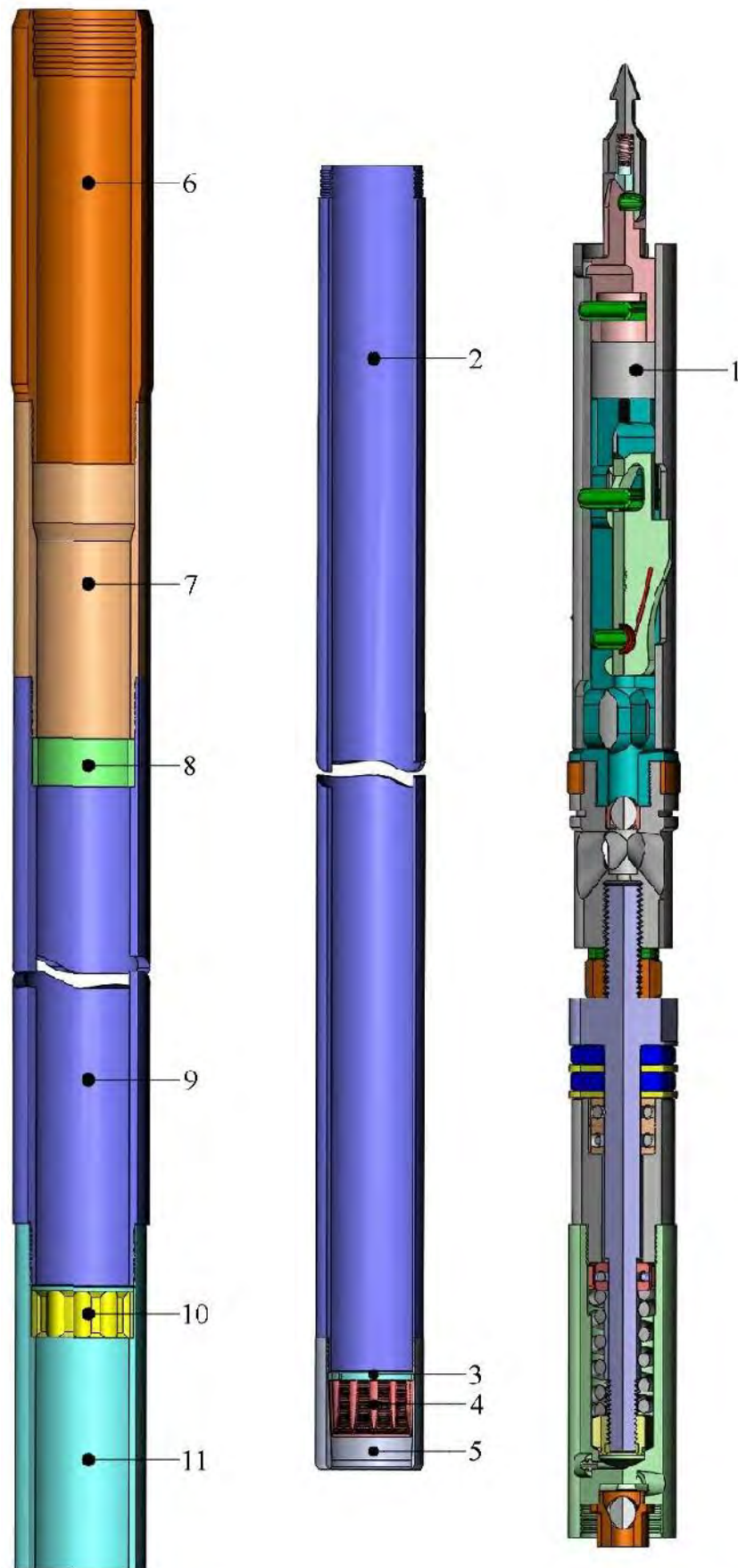
HQ INDEXSS LATCH HEAD ASSEMBLY

14

PARTS LIST				
ITEM	P/N	DESCRIPTION	KG	QTY.
1-28	IX00001954	HQ INDEXSS Latch Head Assembly	21.19	
1	IX00001505	Spearhead Point	0.19	1
2	IX00001507	Compression Spring	0.01	1
3	IX00001508	Detent Plunger	0.02	1
4	IX00001506	Spiral Pin 7/16" x 1"	0.01	1
5	IX00001586	Spearhead Base	1.14	1
6	IX00001587	Spring Pin 1/2" x 2-3/4"	0.04	2
7	IX00001798	Latch Retracting Case, INDEXSS Latch	2.75	1
8	IX00001795	Upper Latch Body, INDEXSS Latch	2.20	1
9	IX00001952	INDEXSS Latch, HQ	0.46	2
10	IX00001851	Latch Spring, INDEXSS Latch	0.01	1
11	IX00001510	Spring Pin 1/2" X 2"	0.03	1
12	IX00001885	Landing Shoulder	0.17	1
13	IX00001534	7/8" Stainless Steel Ball	0.04	2
14	IX00001855	Latch Indicator Bushing, Standard	0.01	1
15	IX00001887	Lower Latch Body 1-1/4" UNC INDEXSS Latch	2.25	1
16	IX00001953	Nord-Lock Washer 1-1/4"	0.06	1
17	IX00001597	Lock Nut 1-1/4" - 7UNC	0.24	1
18	IX00001598	Spindle Assembly, HQ	2.76	1
19	IX00001600	Shut-Off Valve Hard, HQ	0.05	2
20	IX00001601	Valve Adjusting Washer, HQ	0.13	2
21	IX00001602	Ball Thrust Bearing	0.23	2
22	IX00001603	Spindle Bearing, HQ	1.69	1
23	IX00001526	Ball Thrust Bearing	0.17	1
24	IX00001604	Compression Spring	0.40	1
25	IX00001605	Self Lock Nut 1" - 8UNC	0.12	1
26-28	IX00001606	Inner Tube Cap Assy, HQ	2.50	1
26	IX00001607	Inner Tube Cap Only, HQ	2.34	1
27	IX00001533	Grease Fitting	0.01	1
28	IX00001535	Check Valve Body	0.21	1
OPTIONS				
*14	IX00001856	Latch Indicator Bushing, Deep Hole	0.01	
*19	IX00001599	Shut-Off Valve Soft, HQ	0.05	
OPTIONAL FLUID RETENTION KIT				
35	IX00001802	Fluid Retention Bushing (STEEL)	0.03	
13	IX00001534	7/8" Stainless Steel Ball	0.04	
34a	IX00001951	Fluid Retention Spring Medium, Green	0.05	
34b	IX00001803	Fluid Retention Spring Light, Red	0.05	

*Not included in supply of Core Barrel Assy

B



HQ INDEXSS LATCH CORE BARREL ASSEMBLY

15

COMPLETE HQ INDEXSS LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001955	HQ INDEXSS Latch Core Barrel Assy 1.5M	64.96
	IX00001956	HQ INDEXSS Latch Core Barrel Assy 3.0M	98.46

COMPLETE HQ INDEXSS LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001957	HQ INDEXSS Latch Inner Tube Assy 1.5M	29.77
	IX00001958	HQ INDEXSS Latch Inner Tube Assy 3.0M	37.77

PARTS LIST

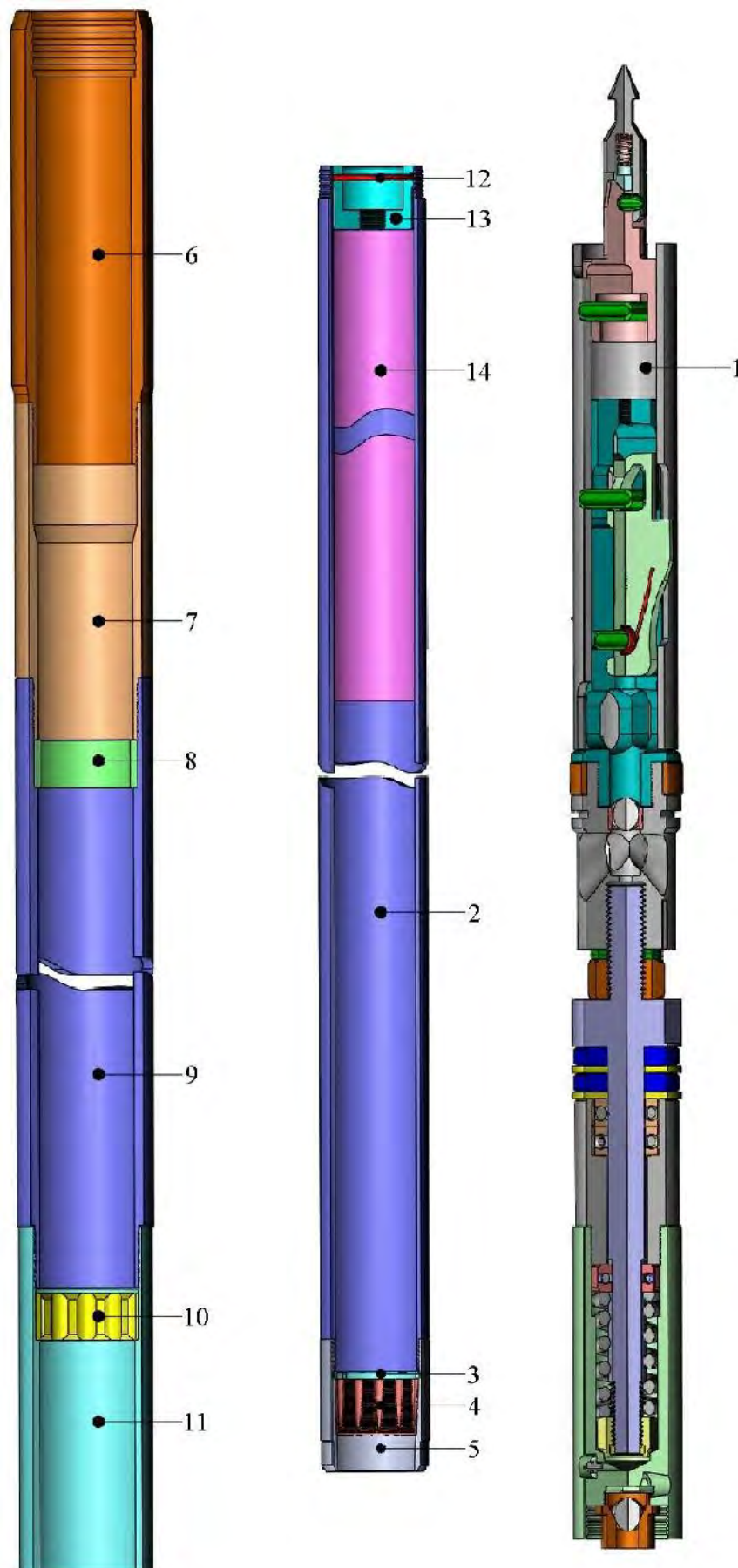
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001954	HQ INDEXSS Latch Head Assembly	21.19	1
2b	IX00001608	Inner Tube 1.5M, HQ	8.10	1
2a	IX00001609	Inner Tube 3.0M, HQ	16.10	1
3	IX00001610	Stop Ring, HQ D/T	0.02	1
4	IX00001611	Core Lifter, HQ D/T (Fine)	0.11	1
5	IX00001612	Core Case, HQ D/T	0.35	1
6	IX00001613	Locking Coupling, HQ	4.16	1
7	IX00001614	Adaptor Coupling, HQ	2.50	1
8	IX00001615	Landing Ring, HQ	0.30	1
9a	IX00001616	Outer Tube 1.5M, HQ	25.90	1
9b	IX00001617	Outer Tube 3.0M, HQ	51.40	1
10	IX00001618	Inner Tube Stabiliser, HQ	0.26	1
11	IX00001619	Thread Protector, HQ	2.07	1

OPTIONS

*4	IX00001934	Core Lifter, HQ D/T (Coarse)	0.11
*	IX00001620	Inner Tube Wrenches, HQ	1.70

*Not included in supply of Core Barrel Assy

B



HQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

16

COMPLETE HQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001959	HQ3 INDEXSS Latch Core Barrel Assy 1.5M	68.70
	IX00001960	HQ3 INDEXSS Latch Core Barrel Assy 3.0M	105.30

COMPLETE HQ3 INDEXSS LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001961	HQ3 INDEXSS Latch Inner Tube Assy 1.5M	33.51
	IX00001962	HQ3 INDEXSS Latch Inner Tube Assy 3.0M	44.61

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001954	HQ INDEXSS Latch Head Assembly	21.19	1
2a	IX00001608	Inner Tube 1.5M, HQ	8.10	1
2b	IX00001609	Inner Tube 3.0M, HQ	16.10	1
3	IX00001629	Stop Ring, HQ3	0.01	1
4	IX00001630	Core Lifter, HQ3 (Fine)	0.09	1
5	IX00001631	Core Case, HQ3	0.44	1
6	IX00001613	Locking Coupling, HQ	4.16	1
7	IX00001614	Adaptor Coupling, HQ	2.50	1
8	IX00001615	Landing Ring, HQ	0.30	1
9a	IX00001616	Outer Tube 1.5M, HQ	25.90	1
9b	IX00001617	Outer Tube 3.0M, HQ	51.40	1
10	IX00001618	Inner Tube Stabiliser, HQ	0.26	1
11	IX00001619	Thread Protector, HQ	2.07	1
12	IX00001625	O-Ring, HQ	0.01	1
13	IX00001626	Core Pump Out Piston, HQ	0.67	1
14a	IX00001627	Split 1.5M/Set, HQ	3.00	1
14b	IX00001628	Split 3.0M/Set, HQ	6.10	1

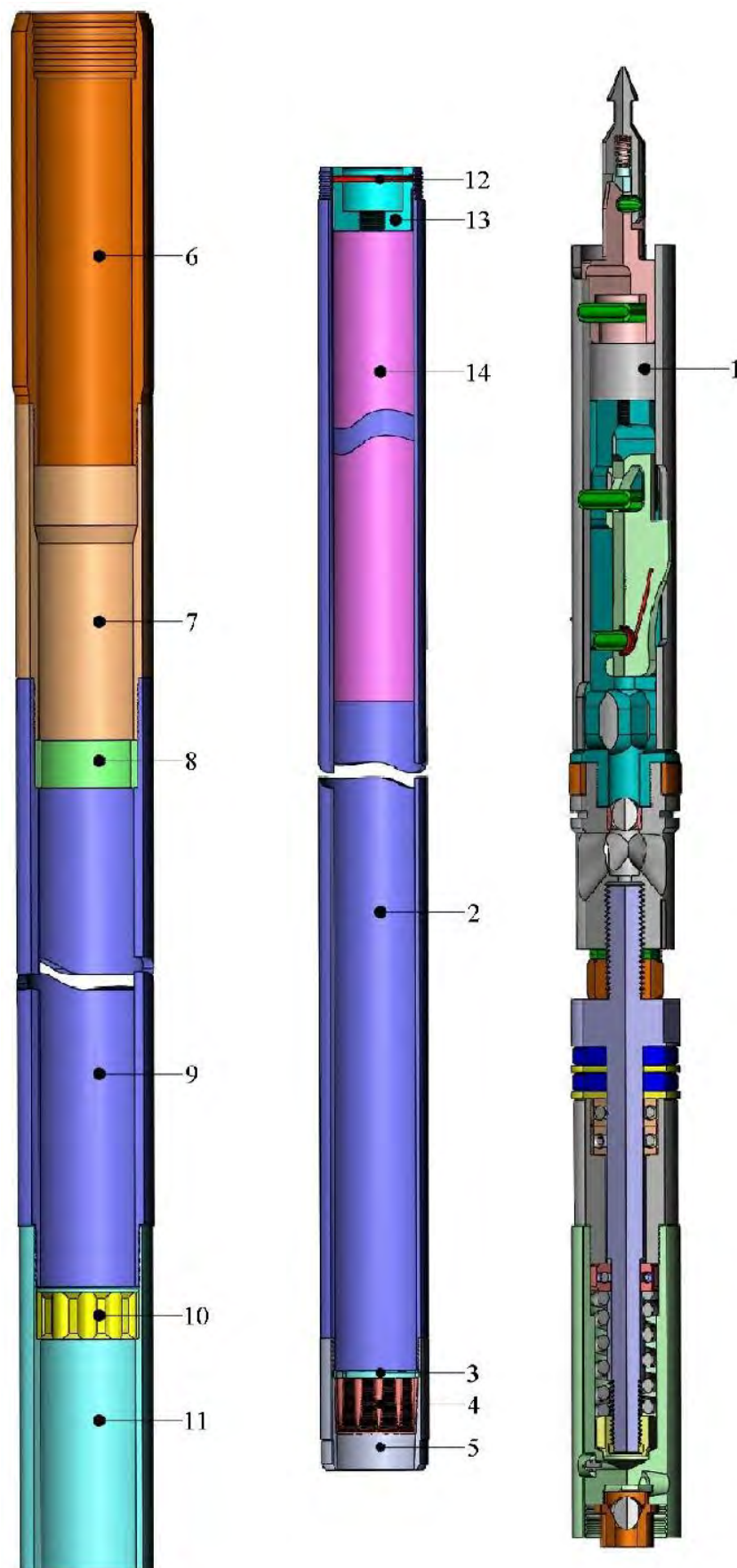
OPTIONS

*	IX00001632	Core Pump Out Adapter, HQ	1.60
*	IX00001561	Piston Plug	0.19
*4	IX00001935	Core Lifter, HQ3 (Coarse)	0.09
*	IX00001620	Inner Tube Wrenches, HQ	1.70

*Not included in supply of Core Barrel Assy

B

HQ3 INDEXSS LATCH CORE BARREL ASSEMBLY TT CORE CASE



HQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

TT CORE CASE

17

COMPLETE HQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00010899	HQ3 Indexss Latch Core Barrel Assy 1.5M (w/ TT Core Case)	68.70
	IX00010900	HQ3 Indexss Latch Core Barrel Assy 3.0M (w/ TT Core Case)	105.30

COMPLETE HQ3 INDEXSS LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00010901	HQ3 Indexss Latch Inner Tube Assy 1.5M (w/ TT Core Case)	33.51
	IX00010902	HQ3 Indexss Latch Inner Tube Assy 3.0M (w/ TT Core Case)	44.61

PARTS LIST

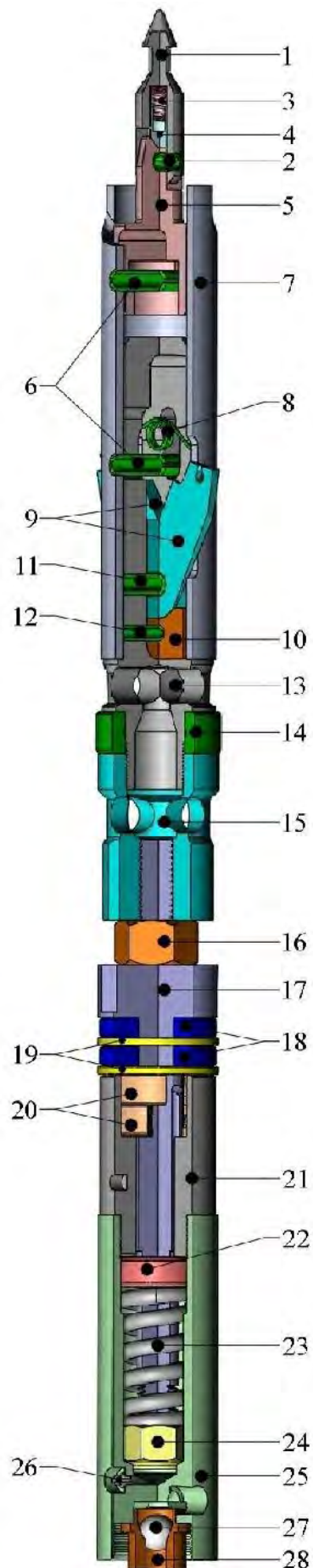
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001954	HQ INDEXSS Latch Head Assembly	21.19	1
2a	IX00001608	Inner Tube 1.5M, HQ	8.10	1
2b	IX00001609	Inner Tube 3.0M, HQ	16.10	1
3	IX00001629	Stop Ring, HQ3	0.01	1
4	IX00001630	Core Lifter, HQ3 (Fine)	0.09	1
5	IX00001633	Core lifter Case, HQT	0.44	1
6	IX00001613	Locking Coupling, HQ	4.16	1
7	IX00001614	Adaptor Coupling, HQ	2.50	1
8	IX00001615	Landing Ring, HQ	0.30	1
9a	IX00001616	Outer Tube 1.5M, HQ	25.90	1
9b	IX00001617	Outer Tube 3.0M, HQ	51.40	1
10	IX00001618	Inner Tube Stabiliser, HQ	0.26	1
11	IX00001619	Thread Protector, HQ	2.07	1
12	IX00001625	O-Ring, HQ	0.01	1
13	IX00001626	Core Pump Out Piston, HQ	0.67	1
14a	IX00001627	Split 1.5M/Set, HQ	3.00	1
14b	IX00001628	Split 3.0M/Set, HQ	6.10	1

OPTIONS

*	IX00001632	Core Pump Out Adapter, HQ	1.60	
*	IX00001561	Piston Plug	0.19	
*4	IX00001935	Core Lifter, HQ3 (Coarse)	0.09	
9b	IX00006118	Outer Tube 3.0M, HQ (Full Hole)	63.50	
*	IX00001620	Inner Tube Wrenches, HQ	1.70	

*Not included in supply of Core Barrel Assy

B



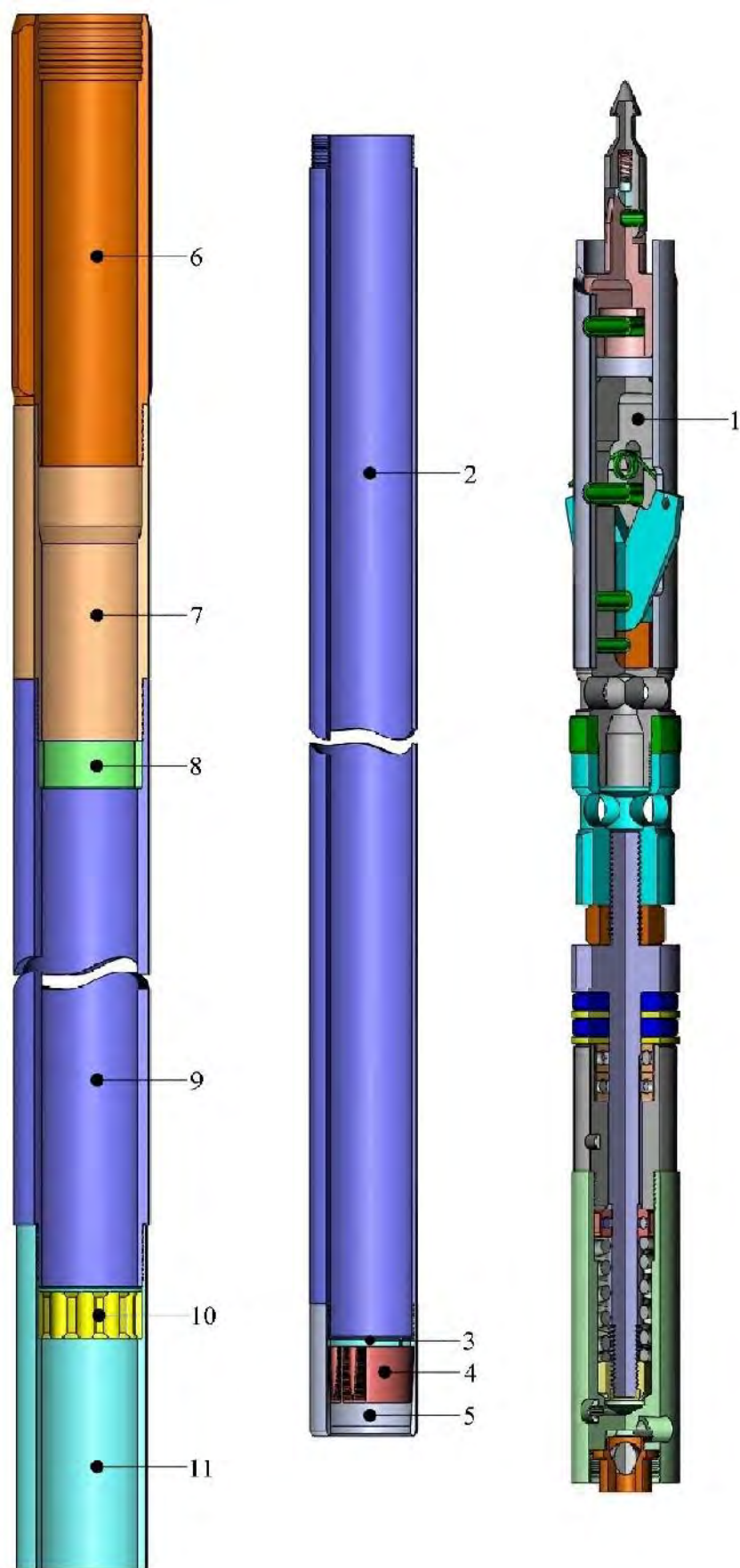
HQ CORE BARREL HEAD ASSEMBLY

18

PARTS LIST				
ITEM	P/N	DESCRIPTION	KG	QTY.
1-28	IX00001585	HQ Head Assembly	21.80	
1	IX00001505	Spearhead Point	0.19	1
2	IX00001506	Spiral Pin 7/16" X 1"	0.01	1
3	IX00001507	Compression Spring	0.01	1
4	IX00001508	Detent Plunger	0.02	1
5	IX00001586	Spearhead Base	1.14	1
6	IX00001587	Spring Pin 1/2" X 2 3/4"	0.04	2
7	IX00001588	Latch Retracting Case, HQ	2.58	1
8	IX00001589	Latch Spring, HQ	0.01	1
9	IX00001590	Spring Latch, HQ	0.27	2
10	IX00001591	Latch Support, HQ	0.19	1
11	IX00001510	Spring Pin 1/2" X 2"	0.03	1
12	IX00001592	Spring Pin 3/8" X 2"	0.02	1
13	IX00001594	Upper Latch Body, HQ	3.03	1
14	IX00001595	Landing Shoulder, HQ	0.43	1
15	IX00001596	Lower Latch Body, HQ	1.70	1
16	IX00001597	Lock Nut 1-1/4" - 7UNC	0.24	1
17	IX00001598	Spindle Assembly, HQ	2.76	1
18	IX00001600	Shut-Off Valve Hard, HQ	0.05	2
19	IX00001601	Valve Adjusting Washer, HQ	0.13	2
20	IX00001602	Ball Thrust Bearing	0.23	2
21	IX00001603	Spindle Bearing, HQ	1.69	1
22	IX00001526	Ball Thrust Bearing	0.17	1
23	IX00001604	Compression Spring	0.40	1
24	IX00001605	Self Lock Nut 1" - 8UNC	0.12	1
25-28	IX00001606	Inner Tube Cap Assy, HQ	2.50	1
25	IX00001607	Inner Tube Cap Only, HQ	2.34	1
26	IX00001533	Grease Fitting	0.01	1
27	IX00001534	7/8" Stainless Steel Ball	0.04	1
28	IX00001535	Check Valve Body	0.21	1
OPTIONS				
*18	IX00001599	Shut-Off Valve Soft, HQ	0.05	

*Not included in supply of Core Barrel Assy

B



HQ CORE BARREL ASSEMBLY

19

COMPLETE HQ CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001581	HQ Core Barrel Assy 1.5M	65.57
	IX00001582	HQ Core Barrel Assy 3.0M	99.07

COMPLETE HQ INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001583	HQ Inner Tube Assy 1.5M	30.38
	IX00001584	HQ Inner Tube Assy 3.0M	38.38

PARTS LIST

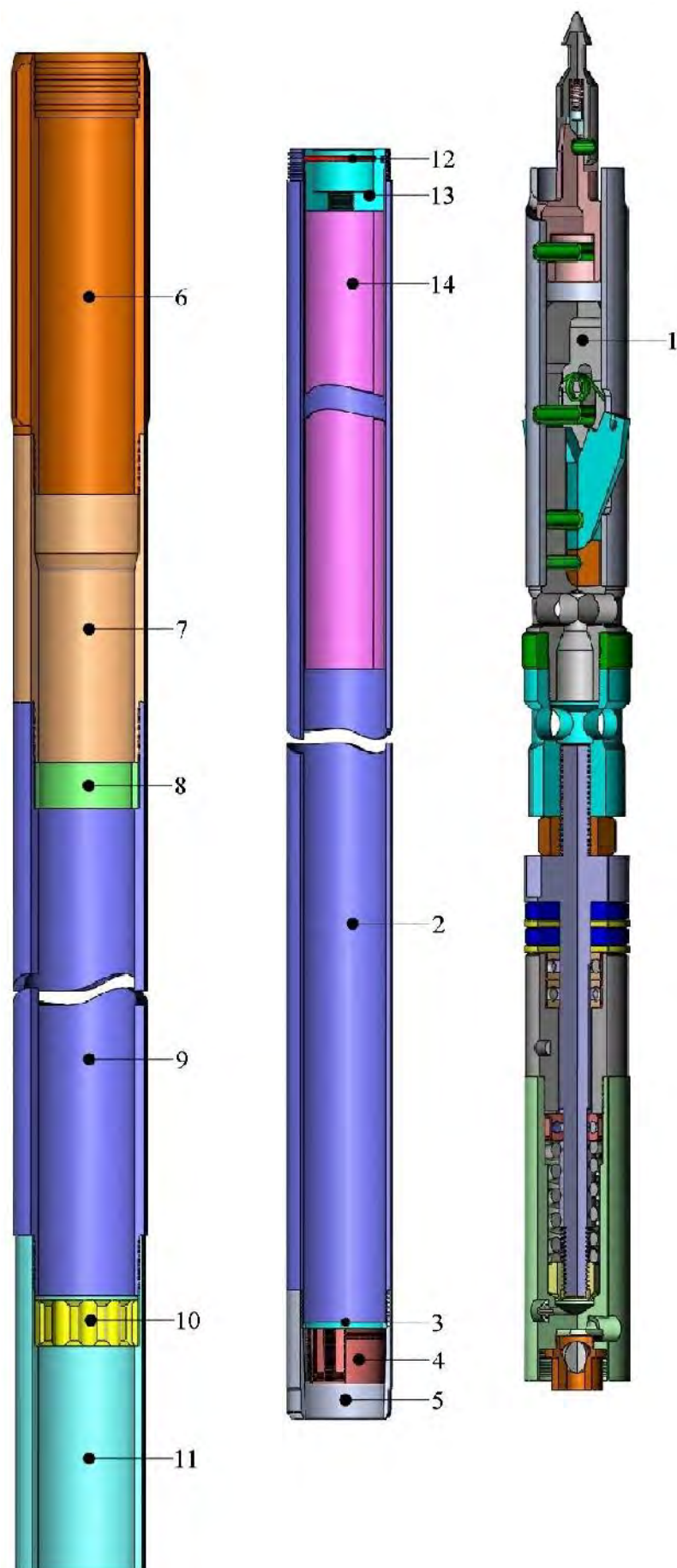
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001585	HQ Head Assembly	21.80	1
2b	IX00001608	Inner Tube 1.5M, HQ	8.10	1
2a	IX00001609	Inner Tube 3.0M, HQ	16.10	1
3	IX00001610	Stop Ring, HQ D/T	0.02	1
4	IX00001611	Core Lifter, HQ D/T (Fine)	0.11	1
5	IX00001612	Core Case, HQ D/T	0.35	1
6	IX00001613	Locking Coupling, HQ	4.16	1
7	IX00001614	Adaptor Coupling, HQ	2.50	1
8	IX00001615	Landing Ring, HQ	0.30	1
9a	IX00001616	Outer Tube 1.5M, HQ	25.90	1
9b	IX00001617	Outer Tube 3.0M, HQ	51.40	1
10	IX00001618	Inner Tube Stabiliser, HQ	0.26	1
11	IX00001619	Thread Protector, HQ	2.07	1

OPTIONS

*4	IX00001934	Core Lifter, HQ D/T (Coarse)	0.11	
*	IX00001620	Inner Tube Wrenches, HQ	1.70	

*Not included in supply of Core Barrel Assy

B



COMPLETE HQ3 CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001621	HQ3 Core Barrel Assy 1.5M	69.31
	IX00001622	HQ3 Core Barrel Assy 3.0M	105.91

COMPLETE HQ3 INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001623	HQ3 Inner Tube Assy 1.5M	35.52
	IX00001624	HQ3 Inner Tube Assy 3.0M	46.62

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001585	HQ Head Assembly	21.80	1
2a	IX00001608	Inner Tube 1.5M	8.10	1
2b	IX00001609	Inner Tube 3.0M	16.10	1
3	IX00001629	Stop Ring, HQ3	0.01	1
4	IX00001630	Core Lifter, HQ3 (Fine)	0.09	1
5	IX00001631	Core Case, HQ3	0.44	1
6	IX00001613	Locking Coupling, HQ	4.16	1
7	IX00001614	Adaptor Coupling, HQ	2.50	1
8	IX00001615	Landing Ring, HQ	0.30	1
9a	IX00001616	Outer Tube 1.5M, HQ	25.90	1
9b	IX00001617	Outer Tube 3.0M, HQ	51.40	1
10	IX00001618	Inner Tube Stabiliser, HQ	0.26	1
11	IX00001619	Thread Protector, HQ	2.07	1
12	IX00001625	O-Ring, HQ	0.01	1
13	IX00001626	Core Pump Out Piston, HQ	0.67	1
14a	IX00001627	Split 1.5M/Set, HQ	3.00	1
14b	IX00001628	Split 3.0M/Set, HQ	6.10	1

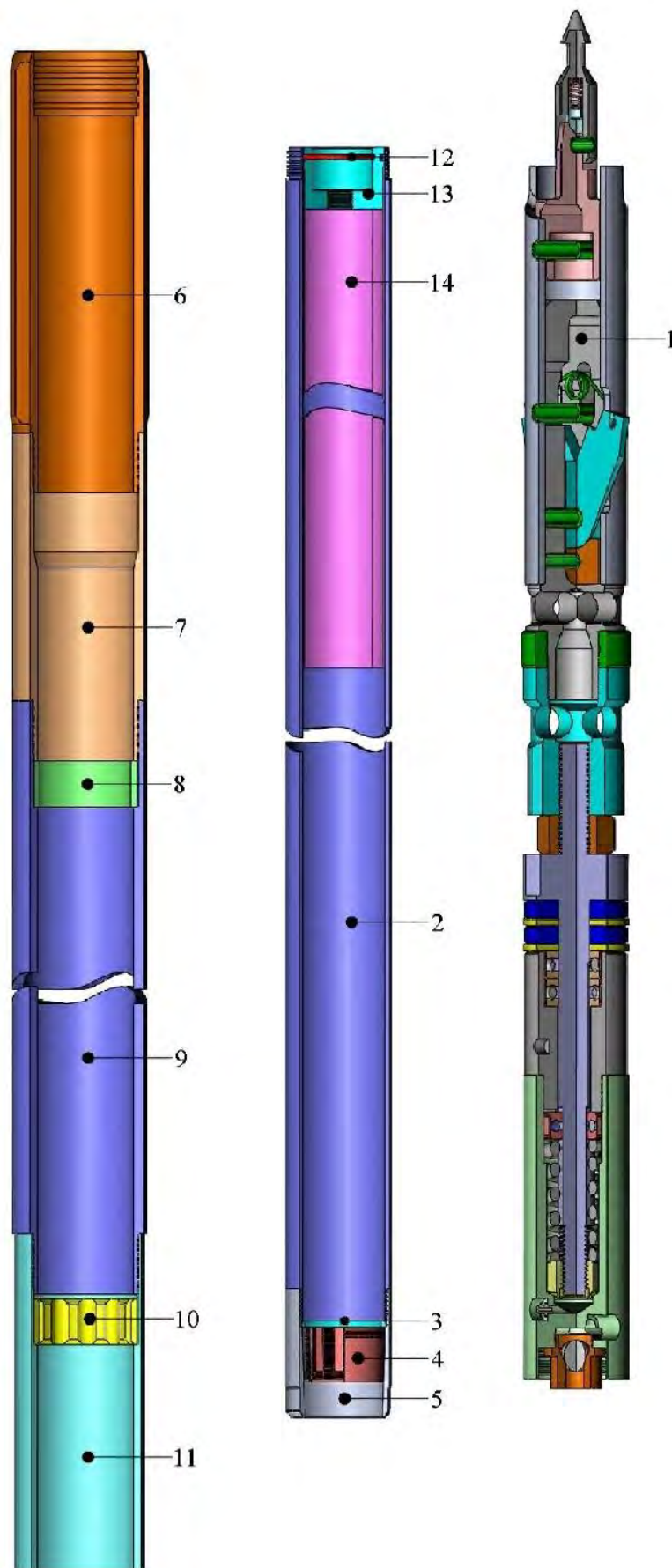
OPTIONS

*	IX00001632	Core Pump Out Adapter, HQ	1.60	
*	IX00001561	Piston Plug	0.19	
*4	IX00001935	Core Lifter, HQ3 (Coarse)	0.09	
*	IX00001620	Inner Tube Wrenches, HQ	1.70	

*Not included in supply of Core Barrel Assy

HQ3 CORE BARREL ASSEMBLY

TT CORE CASE



HQ3 CORE BARREL ASSEMBLY

TT CORE CASE

21

COMPLETE HQ3 CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00010891	HQ3 Core Barrel Assy 1.5M (w/ TT Core Case)	69.31
	IX00010892	HQ3 Core Barrel Assy 3.0M (w/ TT Core Case)	105.91

COMPLETE HQ3 INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00010893	HQ3 Inner Tube Assy 1.5M (w/ TT Core Case)	35.52
	IX00010894	HQ3 Inner Tube Assy 3.0M (w/ TT Core Case)	46.62

PARTS LIST

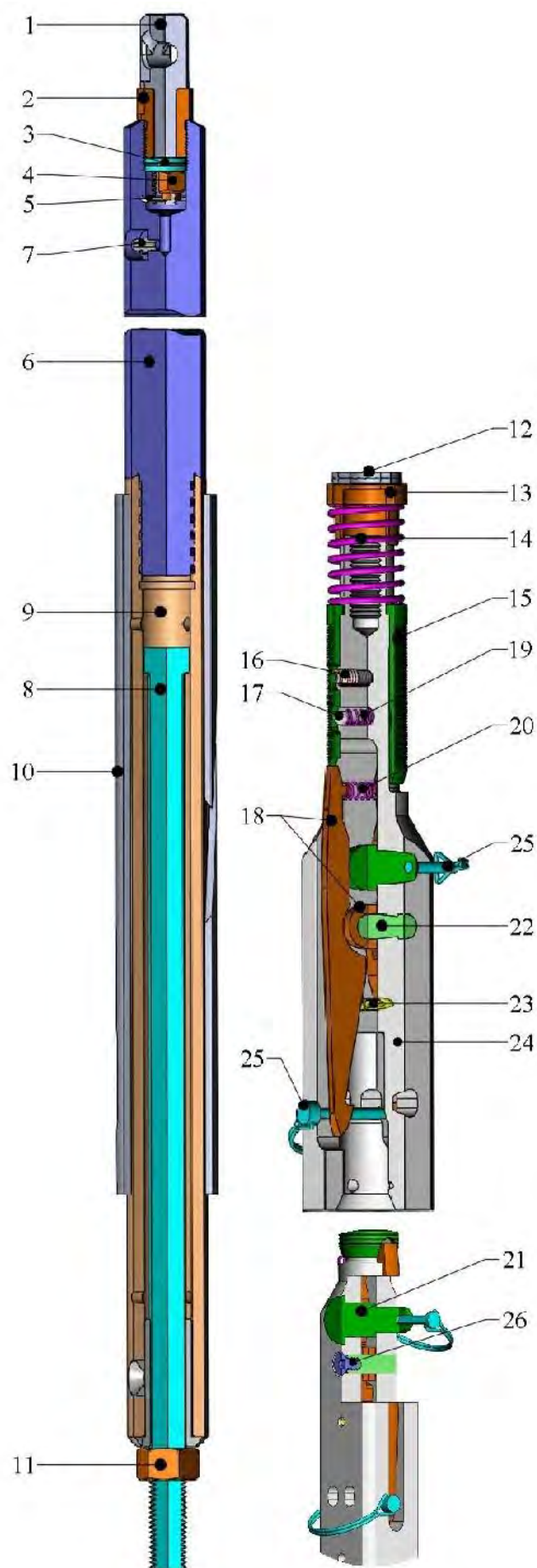
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001585	HQ Head Assembly	21.80	1
2a	IX00001608	Inner Tube 1.5M	8.10	1
2b	IX00001609	Inner Tube 3.0M	16.10	1
3	IX00001629	Stop Ring, HQ3	0.01	1
4	IX00001630	Core Lifter, HQ3 (Fine)	0.09	1
5	IX00001633	Core lifter Case, HQT	0.44	1
6	IX00001613	Locking Coupling, HQ	4.16	1
7	IX00001614	Adaptor Coupling, HQ	2.50	1
8	IX00001615	Landing Ring, HQ	0.30	1
9a	IX00001616	Outer Tube 1.5M, HQ	25.90	1
9b	IX00001617	Outer Tube 3.0M, HQ	51.40	1
10	IX00001618	Inner Tube Stabiliser, HQ	0.26	1
11	IX00001619	Thread Protector, HQ	2.07	1
12	IX00001625	O-Ring, HQ	0.01	1
13	IX00001626	Core Pump Out Piston, HQ	0.67	1
14a	IX00001627	Split 1.5M/Set, HQ	3.00	1
14b	IX00001628	Split 3.0M/Set, HQ	6.10	1

OPTIONS

*	IX00001632	Core Pump Out Adapter, HQ	1.60	
*	IX00001561	Piston Plug	0.19	
*4	IX00001935	Core Lifter, HQ3 (Coarse)	0.09	
*	IX00001620	Inner Tube Wrenches, HQ	1.70	

*Not included in supply of Core Barrel Assy

B

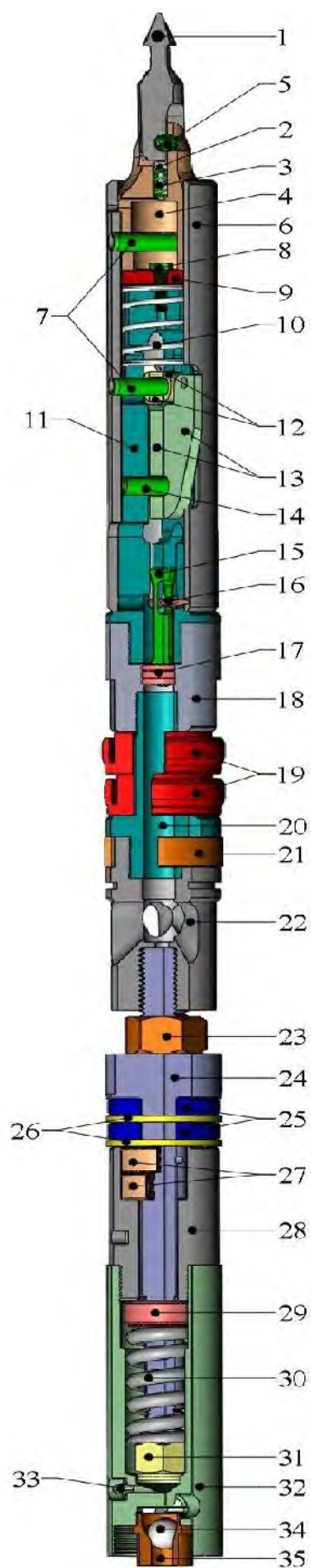


COMPLETE HQ INDEXSS LOCK OVERSHOT ASSEMBLY

ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00002007	HQ INDEXSS LOCK Overshot Assembly	17.78	
	IX00001564	Cable Swivel Assembly	0.29	

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001565	Eye Bolt	0.30	1
2	IX00001566	Cable Swivel Collar	0.11	1
3	IX00001567	Thrust Bearing	0.06	1
4	IX00001568	Nut	0.05	1
5	IX00001569	Cotter Pin 3/32" X 1"	0.01	1
6	IX00001570	Cable Swivel Body	7.20	1
7	IX00001533	Grease Fitting	0.01	1
8	IX00001572	Jar Staff	1.03	1
9	IX00001571	Jar Tube Weldment	2.83	1
10	IX00001573	Locking Sleeve	1.31	1
11	IX00001574	Lock Nut	0.05	1
12	IX00001835	Washer 3/4" Nord-Lock	0.01	1
13	IX00001836	Overshot Cap, INDEXSS LOCK	0.10	1
14	IX00001837	Overshot Spring, INDEXSS LOCK	0.04	1
15	IX00001838	Overshot Sleeve, INDEXSS LOCK	0.31	1
16	IX00001575	Machine Screw 3/8"-16 X 1/2"	0.01	1
17	IX00001840	Ball 11/32"	0.01	2
18	IX00001580	Lifting Dog	0.25	2
19	IX00001839	Compression Spring	0.01	1
20	IX00001579	Lifting Dog Spring	0.01	1
21	IX00001941	Overshot Safety Pin, HQ	0.17	1
22	IX00001635	Overshot Head Pivot Pin™, HQ	0.06	1
23	IX00001636	Spring Pin 1/4" X 2"	0.01	1
24	IX00002010	Overshot Head, INDEXSS LOCK	3.50	1
25	IX00001842	Locking Pin	0.03	2
26	IX00002011	C/sunk S/H Cap Screw M8 X 1.25	0.01	1

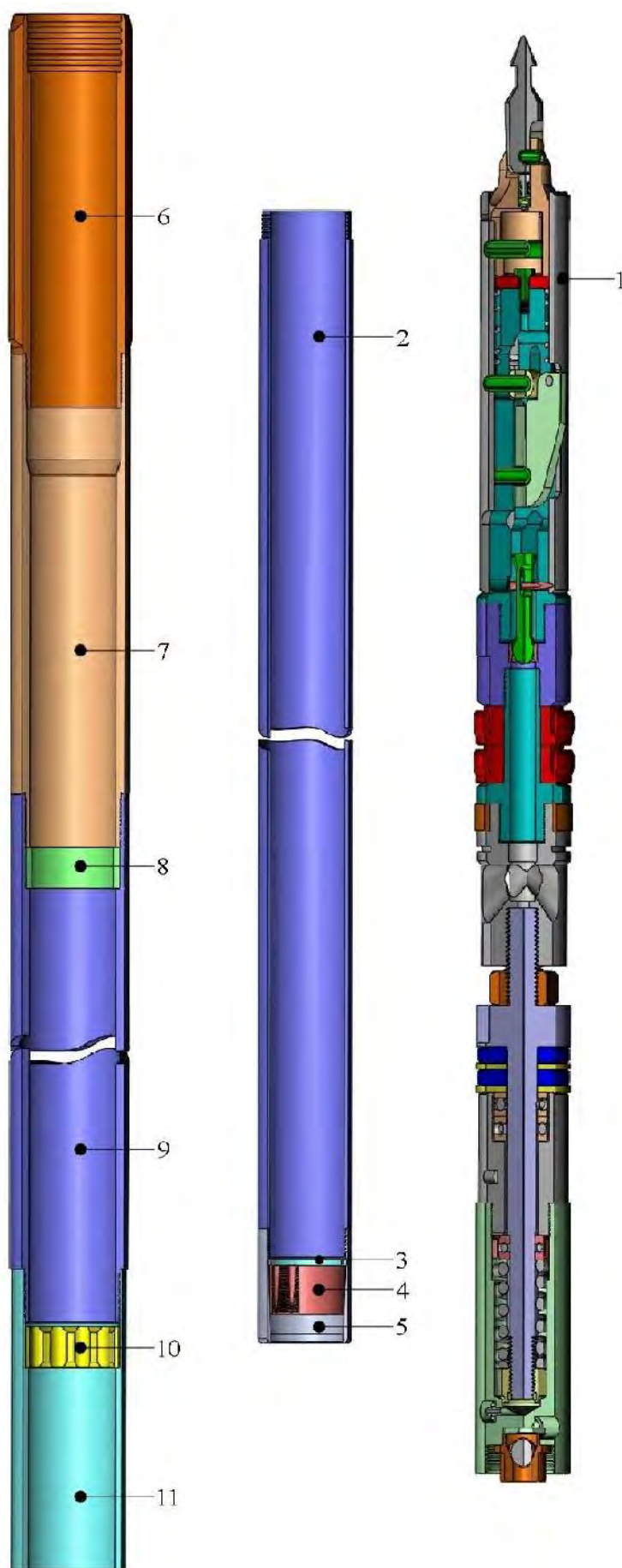


HQU LINK LATCH HEAD ASSEMBLY

23

PARTS LIST				
ITEM	P/N	DESCRIPTION	KG	QTY.
1-35	IX00001894	HQU LINK Latch Head Assembly	21.71	
1	IX00002000	Spearhead point	0.25	1
2	IX00002002	Spearhead Plunger	0.01	1
3	IX00002001	Spring, (Heavy Duty)	0.01	1
4	IX00002005	Spearhead Body, HQU	0.85	1
5	IX00001506	Spiral Pin 7/16" x 1"	0.01	1
6	IX00001893	Latch Retracting Case, HQU	2.64	1
7	IX00001587	Spring Pin 1/2" x 2-3/4"	0.04	2
8	IX00001792	Bolt 3/8" - 16UNC x 3/4"	0.01	1
9	IX00001793	Washer	0.17	1
10	IX00001892	Latch Compression Spring, HQU	0.05	1
11	IX00001896	Upper Latch Body, HQU	2.60	1
12	IX00001950	Link, HQU	0.06	2
13	IX00001886	Link Latch, HQU	0.35	2
14	IX00001510	Spring Pin 1/2" X 2"	0.03	1
15	IX00001800	Valve Piston	0.10	1
16	IX00001801	Spring pin 1/4" x 2 3/4"	0.01	1
17	IX00001855	Latch Indicator Bushing, Standard	0.01	1
18	IX00001891	Adapter, HQU	1.70	1
19	IX00010151	Lip Seal, HQU	0.11	2
20	IX00001897	Seal Seat, HQU	1.02	1
21	IX00001885	Landing Shoulder	0.18	1
22	IX00001887	Lower Latch Body 1-1/4" UNC INDEXSS Latch	2.25	1
23	IX00001597	Lock Nut 1 1/4"-7UNC	0.24	1
24	IX00001598	Spindle Assy, HQ	2.76	1
25	IX00001600	Shut-Off Valve Hard, HQ	0.05	2
26	IX00001601	Valve Adjusting Washer, HQ	0.13	2
27	IX00001602	Ball Thrust Bearing	0.23	2
28	IX00001603	Spindle Bearing, HQ	1.69	1
29	IX00001526	Ball Thrust Bearing	0.17	1
30	IX00001604	Compression Spring	0.40	1
31	IX00001605	Self Lock Nut 1"-8UNC	0.12	1
32-35	IX00001606	Inner Tube Cap Assy., HQ	2.50	1
32	IX00001607	Inner Tube Cap Only, HQ	2.34	1
33	IX00001533	Grease Fitting	0.01	1
34	IX00001534	7/8" Stainless Steel Ball	0.04	1
35	IX00001535	Check Valve Body	0.21	1
OPTIONS				
*17	IX00001856	Latch Indicator Bushing, Deep Hole	0.01	
*25	IX00001599	Shut-Off Valve Soft, HQ	0.05	

*Not included in supply of Core Barrel Assy



COMPLETE HQU LINK LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001967	HQU LINK Latch Core Barrel Assy 1.5M	67.98
	IX00001968	HQU LINK Latch Core Barrel Assy 3.0M	101.48

COMPLETE HQU LINK LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001969	HQU LINK Latch Inner Tube Assy 1.5M	30.29
	IX00001970	HQU LINK Latch Inner Tube Assy 3.0M	38.29

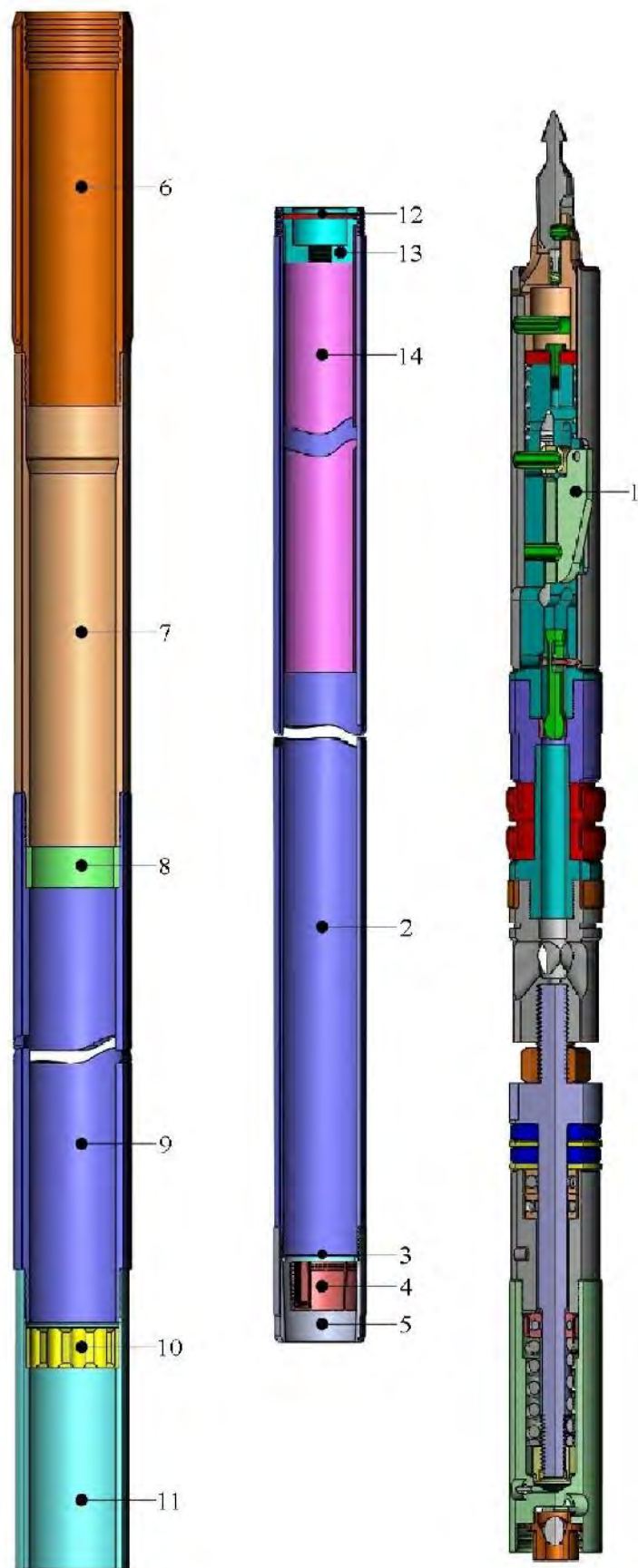
PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001894	HQU LINK Latch Head Assembly	21.71	1
2b	IX00001608	Inner Tube 1.5M, HQ	8.10	1
2a	IX00001609	Inner Tube 3.0M, HQ	16.10	1
3	IX00001610	Stop Ring, HQ D/T	0.02	1
4	IX00001611	Core Lifter, HQ D/T (Fine)	0.11	1
5	IX00001612	Core Case, HQ D/T	0.35	1
6	IX00001613	Locking Coupling, HQ	4.16	1
7	IX00002012	Adaptor Coupling, HQU	5.00	1
8	IX00001615	Landing Ring, HQ	0.30	1
9a	IX00001616	Outer Tube 1.5M, HQ	25.90	1
9b	IX00001617	Outer Tube 3.0M, HQ	51.40	1
10	IX00001618	Inner Tube Stabiliser, HQ	0.26	1
11	IX00001619	Thread Protector, HQ	2.07	1

OPTIONS

*4	IX00001934	Core Lifter, HQ D/T (Coarse)	0.11	
*	IX00001620	Inner Tube Wrenches, HQ	1.70	

*Not included in supply of Core Barrel Assy



HQU3 LINK LATCH CORE BARREL ASSEMBLY

25

COMPLETE HQU-3 LINK LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001971	HQU3 LINK Latch Core Barrel Assy 1.5M	71.72
	IX00001972	HQU3 LINK Latch Core Barrel Assy 3.0M	108.32

COMPLETE HQU-3 LINK LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001973	HQU3 LINK Latch Inner Tube Assy 1.5M	34.03
	IX00001974	HQU3 LINK Latch Inner Tube Assy 3.0M	45.13

PARTS LIST

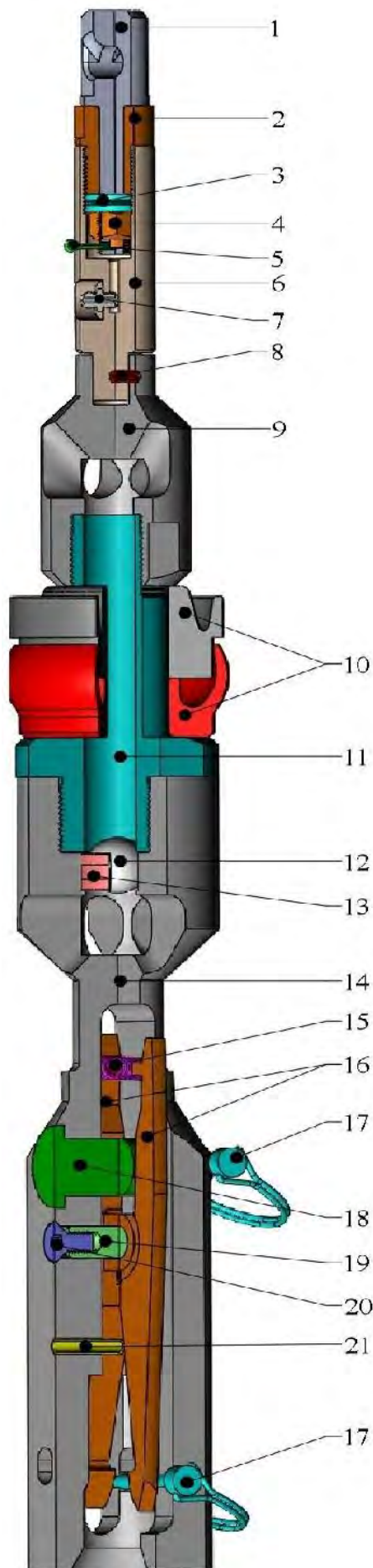
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001894	HQU LINK Latch Head Assembly	21.71	1
2a	IX00001608	Inner Tube 1.5M, HQ	8.10	1
2b	IX00001609	Inner Tube 3.0M, HQ	16.10	1
3	IX00001629	Stop Ring, HQ3	0.01	1
4	IX00001630	Core Lifter, HQ3 (Fine)	0.09	1
5	IX00001631	Core Case, HQ3	0.44	1
6	IX00001613	Locking Coupling, HQ	4.16	1
7	IX00002012	Adaptor Coupling, HQU	5.00	1
8	IX00001615	Landing Ring, HQ	0.30	1
9a	IX00001616	Outer Tube 1.5M, HQ	25.90	1
9b	IX00001617	Outer Tube 3.0M, HQ	51.40	1
10	IX00001618	Inner Tube Stabiliser, HQ	0.26	1
11	IX00001619	Thread Protector, HQ	2.07	1
12	IX00001625	O-Ring, HQ	0.01	1
13	IX00001626	Core Pump Out Piston, HQ	0.67	1
14a	IX00001627	Split 1.5M/Set, HQ	3.00	1
14b	IX00001628	Split 3.0M/Set, HQ	6.10	1

OPTIONS

*	IX00001632	Core Pump Out Adapter, HQ	1.60	
*	IX00001561	Piston Plug	0.19	
*4	IX00001935	Core Lifter, HQ3 (Coarse)	0.09	
*	IX00001620	Inner Tube Wrenches, HQ	1.70	
*	IX00001620	Inner Tube Wrenches, HQ	1.70	

*Not included in supply of Core Barrel Assy

B



HQU OVERSHOT ASSEMBLY

26

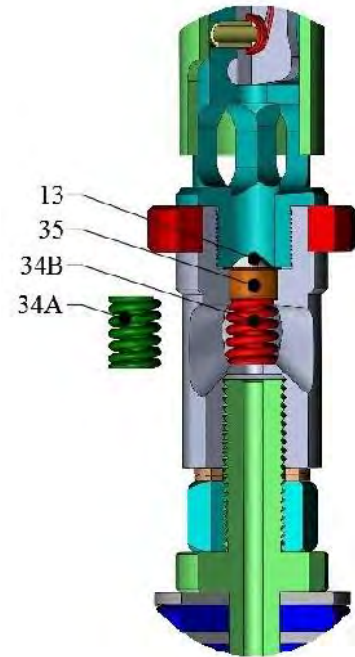
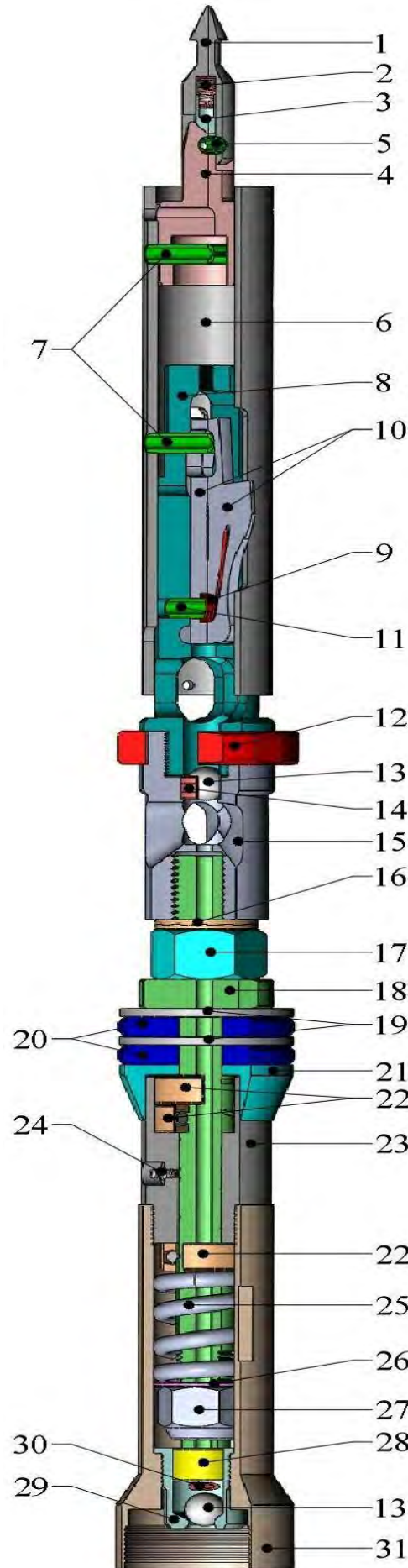
COMPLETE HQU OVERSHOT ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001889	HQU Overshot Assembly	7.88
	IX00001564	Cable Swivel Assembly	0.29

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001565	Eye Bolt	0.30	1
2	IX00001566	Cable Swivel Collar	0.11	1
3	IX00001567	Thrust Bearing	0.06	1
4	IX00001568	Nut	0.05	1
5	IX00001569	Cotter Pin 3/32" X 1"	0.01	1
6	IX00001943	Cable Swivel Body	0.28	1
7	IX00001533	Grease Fitting	0.01	1
8	IX00001963	Spring Pin 3/16" x 1 1/8"	0.01	1
9	IX00001947	Over-Shot Upper Body, HQU	0.74	1
10	IX00001888	Overshot INDEXSS Pump-in Lip Seal Assy, HQU	0.20	1
11	IX00001897	Seal seat, HQU	1.02	1
12	IX00001534	7/8" Stainless Steel Ball	0.04	1
13	IX00001855	Latch Indicator Bushing, Standard	0.01	1
14	IX00001948	Over-Shot Head, HQU	4.22	1
15	IX00001579	Lifting Dog Spring	0.01	1
16	IX00001580	Lifting Dog	0.25	2
17	IX00001842	Locking Pin	0.03	2
18	IX00001941	Overshot Safety Pin, HQ	0.17	1
19	IX00001635	Overshot Head Pivot Pin™, HQ	0.06	1
20	IX00002011	C/sunk S/H Cap Screw M8 X 1.25	0.01	1
21	IX00001636	Spring Pin 1/4" X 2"	0.01	1

PQ INDEXSS LATCH HEAD ASSEMBLY

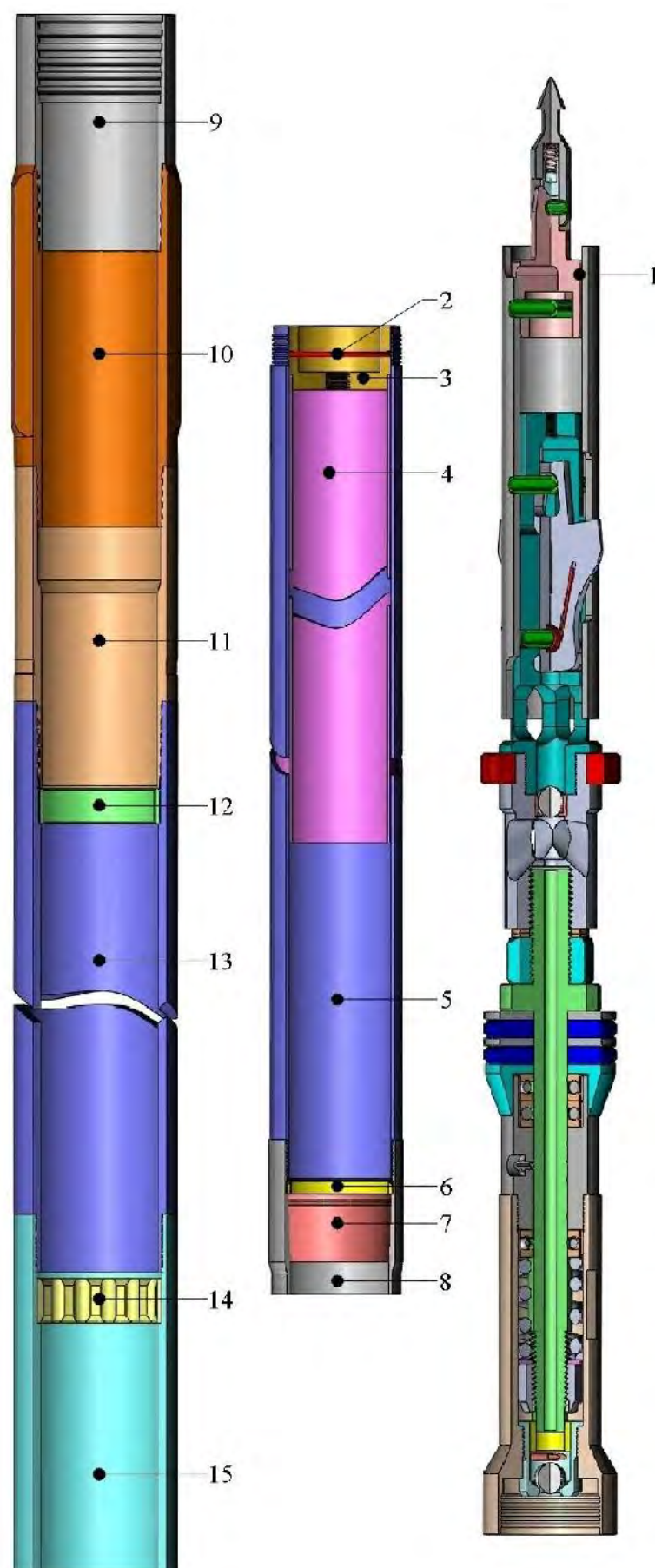


*Optional Parts for fluid retention

PQ INDEXSS LATCH HEAD ASSEMBLY

ITEM	P/N	DESCRIPTION	KG	QTY.
1-31	IX00001789	PQ INDEXSS Latch Head Assembly	21.7	
1	IX00001505	Spearhead Point	0.19	1
2	IX00001507	Compression Spring	0.01	1
3	IX00001508	Detent Plunger	0.02	1
4	IX00001586	Spearhead Base	1.14	1
5	IX00001506	Spiral Pin 7/16" x 1"	0.01	1
6	IX00001798	Latch Retracting Case, INDEXSS Latch	2.75	1
7	IX00001587	Spring Pin 1/2" x 2-3/4"	0.04	2
8	IX00001795	Upper Latch Body, INDEXSS Latch	2.20	1
9	IX00001851	Latch Spring, INDEXSS Latch	0.01	1
10	IX00001920	INDEXSS Latch, PQ	0.91	2
11	IX00001510	Spring Pin 1/2" x 2"	0.03	1
12	IX00001799	Landing Shoulder, PQ INDEXSS Latch	0.72	1
13	IX00001534	7/8" Stainless Steel Ball	0.04	2
14	IX00001855	Latch Indicator Bushing, Standard	0.01	1
15	IX00001804	Lower Latch Body 1-1/2" UNC, INDEXSS Latch	2.25	1
16	IX00001805	Nord-Lock Washer 1-1/2"	0.06	1
17	IX00001806	Hexagonal Nut 1-1/2" UNC	0.23	1
18	IX00001807	Hollow Spindle 1-1/2" UNC, PQ INDEXSS Latch	1.94	1
19	IX00001808	Shut-Off Valve Washer, PQ INDEXSS Latch	0.29	2
20	IX00001921	Shut-Off Valve Hard, PQ INDEXSS Latch	0.11	2
21	IX00001809	Tapered Shut-Off Washer, PQ INDEXSS Latch	0.67	1
22	IX00001602	Ball Thrust Bearing	0.21	3
23	IX00001810	Spindle Bushing, PQ INDEXSS Latch	1.85	1
24	IX00001533	Grease Fitting	0.01	1
25	IX00001811	Compression Spring	0.45	1
26	IX00001812	Flat Washer 1-1/4"	0.05	1
27	IX00001813	Locking Nut 1-1/4" Nylok	0.26	1
28	IX00001817	Valve Bushing, PQ INDEXSS Latch	0.12	1
29	IX00001814	Check Valve Body, PQ INDEXSS Latch	0.45	1
30	IX00001816	Spiral Pin 3/16" x 1-3/4"	0.01	1
31	IX00001818	Inner Tube Cap, PQ INDEXSS Latch	2.85	1
OPTIONS				
*14	IX00001856	Latch Indicator Bushing, Deep Hole	0.01	
*20	IX00001922	Shut-Off Valve Soft, PQ INDEXSS Latch	0.11	
OPTIONAL FLUID RETENTION KIT				
35	IX00001802	Fluid Retention Bushing (STEEL)	0.03	
13	IX00001534	7/8" Stainless Steel Ball	0.04	
34a	IX00001951	Fluid Retention Spring Medium, Green	0.05	
34b	IX00001803	Fluid Retention Spring Light, Red	0.05	

*Not included in supply of Core Barrel Assy



PQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

28

COMPLETE PQ3 INDEXSS LATCH CORE BARREL ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001867	PQ3 INDEXSS Latch Core Barrel Assy. 1.5M	93.13
	IX00001868	PQ3 INDEXSS Latch Core Barrel Assy. 3.0M	140.93

COMPLETE PQ3 INDEXSS LATCH INNER TUBE ASSEMBLY

ITEM	P/N	DESCRIPTION	KG
	IX00001869	PQ3 INDEXSS Latch Inner Tube Assy. 1.5M	38.12
	IX00001870	PQ3 INDEXSS Latch Inner Tube Assy. 3.0M	54.52

PARTS LIST

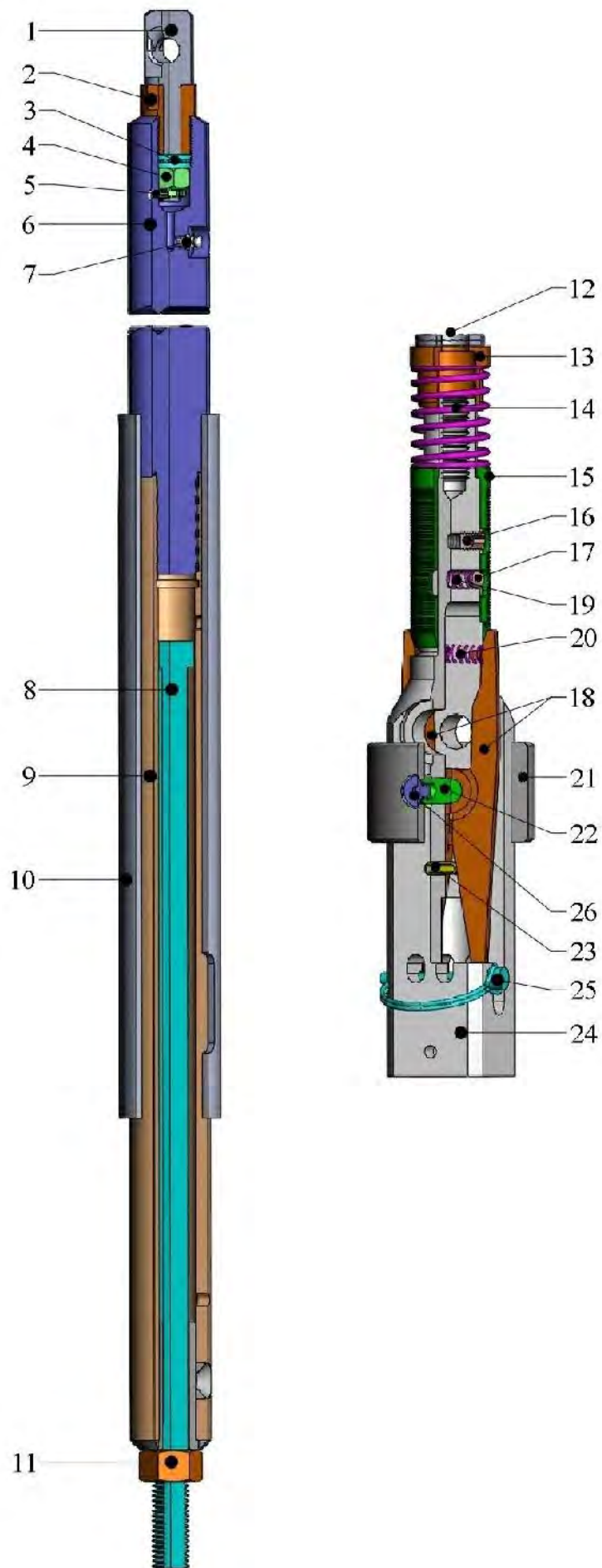
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001789	PQ INDEXSS Latch Head Assembly	21.70	1
2	IX00001688	O-Ring, PQ	0.01	1
3	IX00001984	Core Pump Out Piston, PQ INDEXSS Latch	1.01	1
4a	IX00001690	Split 1.5M/set, PQ	4.00	1
4b	IX00001691	Split 3.0M/set, PQ	8.10	1
5a	IX00001671	Inner Tube 1.5M, PQ	10.40	1
5b	IX00001672	Inner Tube 3.0M, PQ	22.70	1
6	IX00001692	Stop Ring, PQ	0.07	1
7	IX00001693	Core Lifter, PQ3 (Fine)	0.25	1
8	IX00001696	Core Lifter Case, PQ TT	0.68	1
9	IX00007210	HWT Saver Sub	1.75	1
10	IX00001676	Locking Coupling, PQ	5.04	1
11	IX00001864	Adaptor Coupling, INDEXSS Latch	3.25	1
12	IX00001791	Landing Ring, PQ INDEXSS Latch	0.31	1
13a	IX00001865	Outer Tube 1.5M, PQ INDEXSS Latch	39.60	1
13b	IX00001866	Outer Tube 3.0M, PQ INDEXSS Latch	71.00	1
14	IX00001681	Inner Tube Stabiliser, PQ	0.40	1
15	IX00001682	Thread Protector, PQ	4.66	1

OPTIONS

*7	IX00001937	Core Lifter, PQ3 (Coarse)	0.25	
*	IX00001695	Core Pump Out Adapter, PQ	2.87	
*	IX00001561	Piston Plug	0.10	
*	IX00001683	Inner Tube Wrenches, PQ	4.22	
*	IX00001872	Full Closing Basket Core Catcher, PQ	0.35	
*	IX00001694	Basket Core Catcher (Thick Finger), PQ3	0.30	
*	IX00001983	Basket Core Catcher (Thin Finger), PQ3	0.28	

*Not included in supply of Core Barrel Assy

B

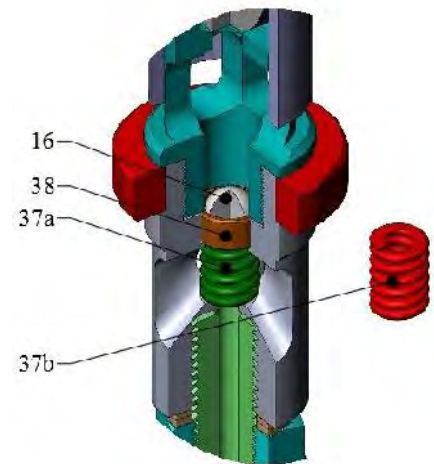
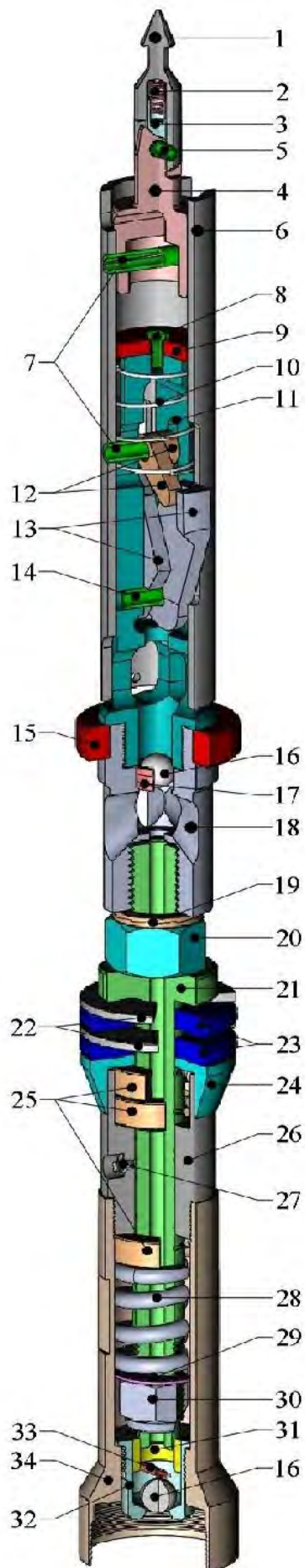


COMPLETE PQ INDEXSS LOCK OVERSHOT ASSEMBLY

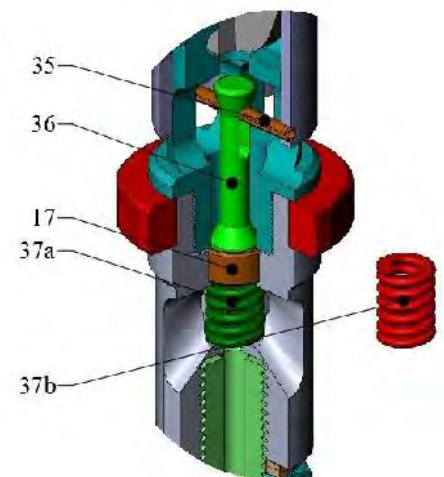
ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00002008	PQ INDEXSS LOCK Overshot Assembly	18.04	
	IX00001564	Cable Swivel Assembly	0.29	

PARTS LIST

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001565	Eye Bolt	0.30	1
2	IX00001566	Cable Swivel Collar	0.11	1
3	IX00001567	Thrust Bearing	0.06	1
4	IX00001568	Nut	0.05	1
5	IX00001569	Cotter Pin 3/32" X 1"	0.01	1
6	IX00001570	Cable Swivel Body	7.23	1
7	IX00001533	Grease Fitting	0.01	1
8	IX00001572	Jar Staff	0.66	1
9	IX00001571	Jar Tube Weldment	2.83	1
10	IX00001573	Locking Sleeve	1.27	1
11	IX00001574	Lock Nut	0.02	1
12	IX00001835	Washer 3/4" Nord-Lock	0.01	1
13	IX00001836	Overshot Cap, INDEXSS LOCK	0.10	1
14	IX00001837	Overshot Spring, INDEXSS LOCK	0.04	1
15	IX00001838	Overshot Sleeve, INDEXSS LOCK	0.28	1
16	IX00001575	Machine Screw 3/8"-16 X 1/2"	0.01	1
17	IX00001840	Ball 1 1/32"	0.01	2
18	IX00001580	Lifting Dog	0.25	2
19	IX00001839	Compression Spring	0.01	1
20	IX00001579	Lifting Dog Spring	0.01	1
21	IX00001843	Overshot Head Sleeve, PQ	0.85	1
22	IX00001844	Overshot Head Pivot Pin™, PQ	0.08	1
23	IX00001636	Spring Pin 1/4" X 2"	0.01	1
24	IX00002010	Overshot Head, INDEXSS LOCK	3.50	1
25	IX00001842	Locking Pin	0.03	1
26	IX00002011	C/sunk S/H Cap Screw M8 X 1.25	0.01	1

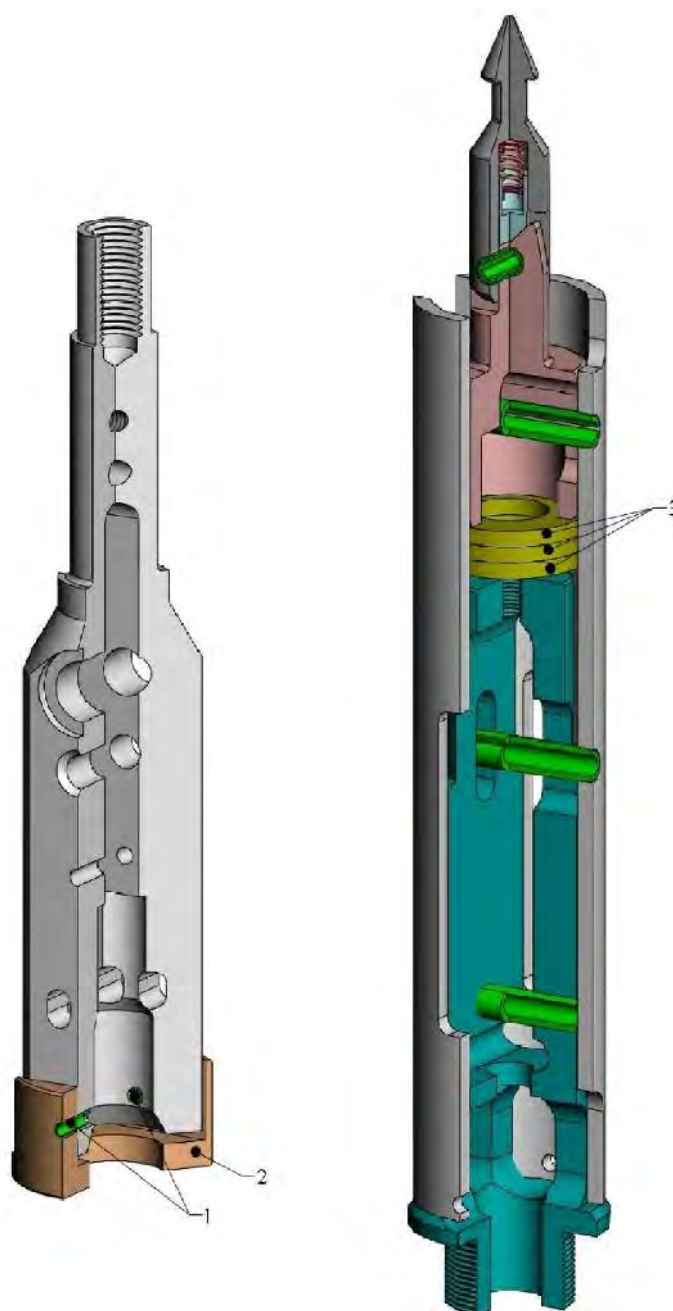


*Optional Parts for fluid retention

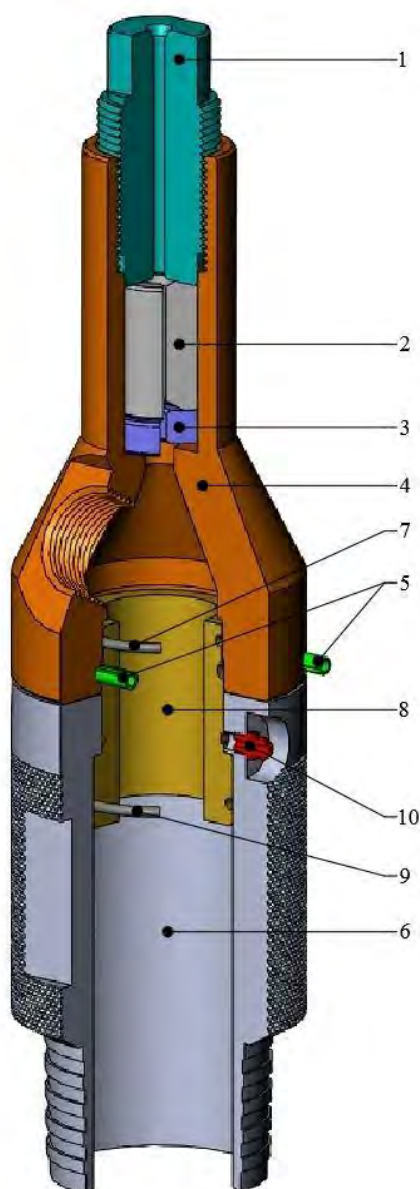


*Optional Dry Hole Kit

PQ LINK LATCH HEAD ASSEMBLY				
ITEM	P/N	DESCRIPTION	KG	QTY.
1-34	IX00001966	PQ LINK Latch Head Assembly	21.69	
1	IX00001505	Spearhead Point	0.19	1
2	IX00001507	Compression Spring	0.01	1
3	IX00001508	Detent Plunger	0.02	1
4	IX00001586	Spearhead Base	1.14	1
5	IX00001506	Spiral Pin 7/16" x 1"	0.01	1
6	IX00001798	Latch Retracting Case, INDEXSS Latch	2.75	1
7	IX00001587	Spring Pin 1/2" x 2-3/4"	0.04	2
8	IX00001792	Bolt 3/8" - 16UNC x 3/4"	0.01	1
9	IX00001793	Washer	0.17	1
10	IX00001794	Compression Spring	0.04	1
11	IX00001795	Upper Latch Body, INDEXSS Latch	2.20	1
12	IX00001797	Link, PQ	0.05	2
13	IX00001796	Link Latch, PQ	0.91	2
14	IX00001510	Spring Pin 1/2" x 2"	0.03	1
15	IX00001799	Landing Shoulder, PQ INDEXSS Latch	0.72	1
16	IX00001534	7/8" Stainless Steel Ball	0.04	2
17	IX00001855	Latch Indicator Bushing, Standard	0.01	1
18	IX00001804	Lower Latch Body 1-1/2" UNC, INDEXSS Latch	2.25	1
19	IX00001805	Nord-Lock Washer 1-1/2"	0.06	1
20	IX00001806	Hexagonal Nut 1-1/2" UNC	0.23	1
21	IX00001807	Hollow Spindle 1-1/2" UNC, PQ INDEXSS Latch	1.94	1
22	IX00001808	Shut-Off Valve Washer, PQ INDEXSS Latch	0.29	2
23	IX00001921	Shut-Off Valve Hard, PQ INDEXSS Latch	0.11	2
24	IX00001809	Tapered Shut-Off Washer, PQ INDEXSS Latch	0.67	1
25	IX00001602	Ball Thrust Bearing	0.21	3
26	IX00001810	Spindle Bushing, PQ INDEXSS Latch	1.85	1
27	IX00001533	Grease Fitting	0.01	1
28	IX00001811	Compression Spring	0.45	1
29	IX00001812	Flat Washer 1-1/4"	0.05	1
30	IX00001813	Locking Nut 1-1/4" Nylok	0.26	1
31	IX00001817	Valve Bushing, PQ INDEXSS Latch	0.12	1
32	IX00001814	Check Valve Body, PQ INDEXSS Latch	0.45	1
33	IX00001816	Spiral Pin 3/16" x 1-3/4"	0.01	1
34	IX00001818	Inner Tube Cap, PQ INDEXSS Latch	2.85	1
OPTIONS				
*17	IX00001856	Latch Indicator Bushing, Deep Hole	0.01	
*23	IX00001922	Shut-Off Valve Soft, INDEXSS Latch	0.11	
OPTIONAL DRY HOLE KIT				
35	IX00001801	Spring Pin 1/4" x 2 3/4"	0.02	
36	IX00001800	Valve Piston	0.10	
17a	IX00001855	Latch Indicator Bushing, Standard	0.01	
17b	IX00001856	Latch Indicator Bushing, Deep Hole	0.01	
37a	IX00001951	Fluid Retention Spring Medium, Green	0.05	
37b	IX00001803	Fluid Retention Spring Light, Red	0.05	
OPTIONAL FLUID RETENTION KIT				
38	IX00001802	Fluid Retention Bushing (STEEL)	0.03	
16	IX00001534	7/8" Stainless Steel Ball	0.04	
37a	IX00001951	Fluid Retention Spring Medium, Green	0.05	
37b	IX00001803	Fluid Retention Spring Light, Red	0.05	

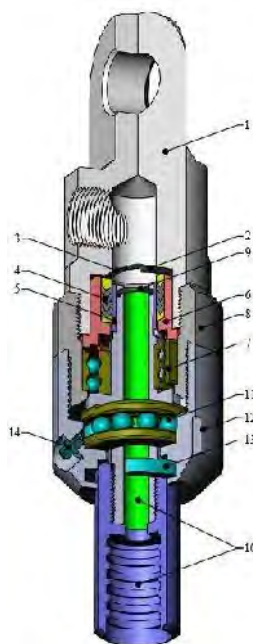


PARTS				
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00001965	Spring Pin 1/4" x 3/4"	0.01	2
2	IX00001964	Dry Hole Overshot Cap, HQ	0.40	1
3	IX00001525	Valve Adjusting Washer, NQ	0.05	3


Indexss Stuffing Box Assembly

ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00010800	INDEXSS Stuffing Box Assembly		1

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010801	Screw 4.5mm HOLE-PLASTIC		1
2	IX00010822	SEAL		3
3	IX00010803	Spacer		1
4	IX00010804	Seal Housing, 1" NPT Water Inlet		1
5	IX00010805	Spring Pin D 5mm x 60mm		2
6	IX00010806	Connector, NQ Rod Pin Thread		1
7	IX00010807	O-Ring ID 43mm OD 49mm		1
8	IX00010808	Holder		1
9	IX00010809	O-Ring ID 51mm OD 57mm		1
10	IX00001533	Grease Fitting		1



Working Load Limit: 5.00t

Test Load: 349.5kN

Compact Plus Water Swivel Assy AW Box MKII

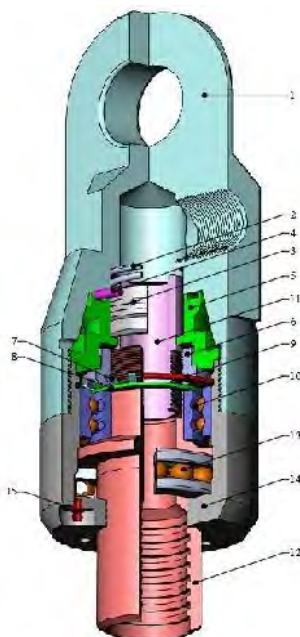
ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00010326	Compact Plus Water Swivel Assy AW Box MKII		1

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010327	Compact Plus W/S Cap MKII		1
2	IX00010328	Compact W/S O-Ring MKII		1
3	IX00010329	Compact W/S Spring Washer MKII		1
4	IX00010330	Compact W/S V Pack Set MKII		1
5	IX00010331	Compact Plus W/S Wear Sleeve MKII		1
6	IX00010332	Compact W/S Packing Cage MKII		1
7	IX00010333	Compact W/S Ball Bearing MKII		1
8	IX00010334	Compact Plus W/S Upper Body MKII		1
9	IX00010335	Compact W/S O-Ring MKII		1
10	IX00010336	Compact Plus W/S Spindle AW Box MKII		1
11	IX00010337	Compact Plus W/S Thrust Bearing MKII		1
12	IX00010338	Compact Plus W/S Lower Body MKII		1
13	IX00010339	Compact W/S Felt Seal MKII		1
14	IX00010340	Compact Plus W/S Repair Kit MKII		1
15	IX00010342	Grease fitting MKII		1

ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00010340	Compact Plus W/S Repair Kit MKII		1

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010328	Compact W/S O-Ring MKII		1
2	IX00010329	Compact W/S Spring Washer MKII		1
3	IX00010330	Compact W/S V Pack Set MKII		1
4	IX00010331	Compact Plus W/S Wear Sleeve MKII		1
5	IX00010333	Compact W/S Ball Bearing MKII		1
6	IX00010335	Compact W/S O-Ring MKII		1
7	IX00010337	Compact Plus W/S Thrust Bearing MKII		1
8	IX00010339	Compact W/S Felt Seal MKII		1
9	IX00010342	Grease fitting MKII		1

*Supplied with Test Certificate



Working Load Limit: 9.00t
Test Load: 850.9kN

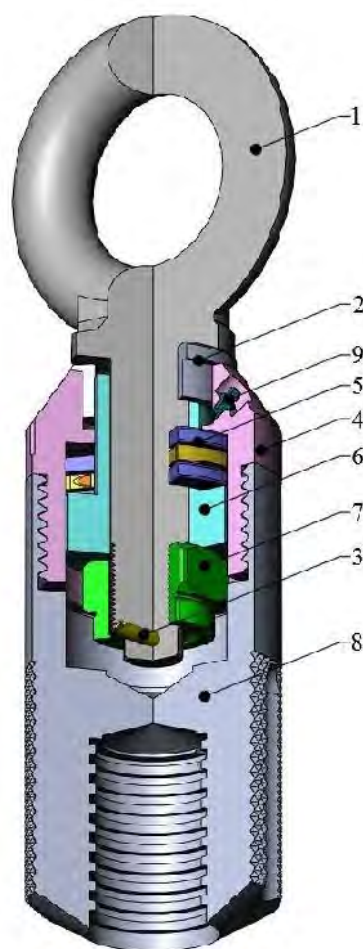
UNIVERSAL WATER SWIVEL

ITEM	P/N	DESCRIPTION	KG	QTY.
1-14	IX00007115	Universal W/S Assy BW Box	13.50	
1	IX00007116	Universal W/S Hoisting Cap	5.50	1
2	IX00007117	Universal W/S Compression Spring	0.04	1
3	IX00007118	Universal W/S V Packing Set	0.02	1
4	IX00007119	Universal W/S O-Ring	0.01	1
5	IX00007120	Universal W/S Packing Housing	1.18	1
6	IX00007121	Universal W/S Nut Spindle	0.25	1
7	IX00007122	Universal W/S Locking washer	0.01	1
8	IX00007123	Universal W/S Spacer	0.01	1
9	IX00007124	Universal W/S Retaining Ring	0.03	1
10	IX00007125	Universal W/S Ball Bearing	0.66	1
11	IX00007126	Universal W/S Spindle Ext	0.35	1
12	IX00007127	Universal W/S Spindle BW Box	1.79	1
13	IX00007128	Universal W/S Thrust Bearing	0.59	1
14	IX00007129	Universal W/S Body	3.00	1
15	IX00001533	Grease Fitting	0.01	1

UNIVERSAL WATER SWIVEL

ITEM	P/N	DESCRIPTION	KG
MIX	IX00007130	Universal W/S Repair Kit	1.67
3	IX00007118	Universal W/S V Packing Set	0.02
4	IX00007119	Universal W/S O-Ring	0.01
7	IX00007122	Universal W/S Locking Washer	0.01
9	IX00007124	Universal W/S Retaining Ring	0.03
10	IX00007125	Universal W/S Ball Bearing	0.66
11	IX00007126	Universal W/S Spindle Ext	0.35
13	IX00007128	Universal W/S Thrust Bearing	0.59

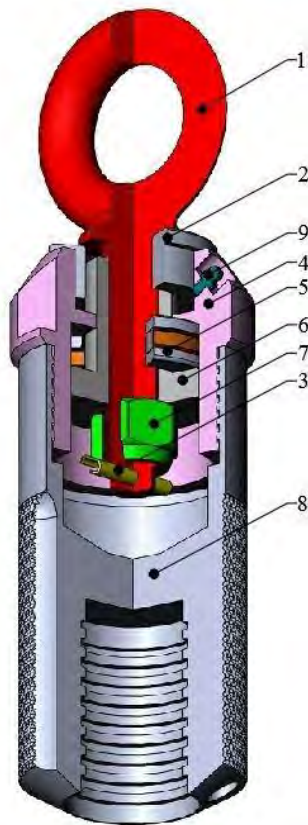
*Supplied with Test Certificate



Working Load Limit: 20.00t
Test Load: 685.7kN

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010290	Eye bolt (40K)		1
2	IX00010291	Wear sleeve (40K)		1
3	IX00001636	Spring Pin 1/4" x 2"		1
4	IX00010292	Bearing housing (40K)		1
5	IX00010293	Thrust bearing (40K)		1
6	IX00010294	Shaft sleeve (40K)		1
7	IX00010295	Stover lock nut (40K)		1
8	IX00010296	Lower housing (40K)		1
9	IX00010342	Grease fitting MKII		1
	IX00010298	Repair Kit Hoisting Plug 40K (item no: 1,2,4,5,6,8)		

*Supplied with Test Certificate



Working Load Limit: 10.00t
Test Load: 373.7kN

Hoisting Plug 25k				
ITEM	P/N	DESCRIPTION	KG	QTY.
	IX00007458	Hoisting Plug Assy 25K		1

ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010283	Eye bolt (25K)		1
2	IX00010284	Wear sleeve (25K)		1
3	IX00001636	Spring Pin 1/4" x 2"		
4	IX00010285	Bearing housing (25K)		1
5	IX00010286	Thrust bearing (25K)		1
6	IX00010287	Shaft sleeve (25K)		1
7	IX00010288	Stover lock nut (25K)		1
8	IX00010289	Lower housing (25K)		1
9	IX00010342	Grease fitting MKII		1
	IX00010297	Repair Kit Hoisting Plug 25K (item no: 1,2,4,5,6,8)		

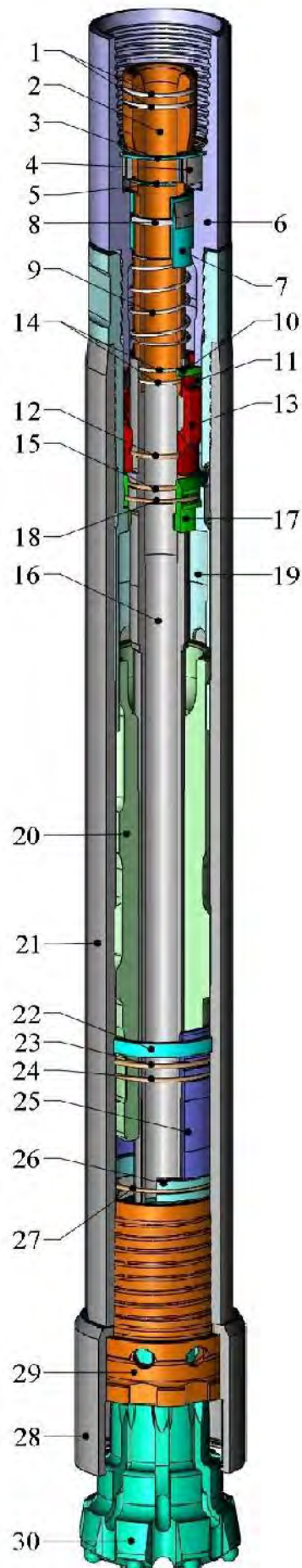
*Supplied with Test Certificate



PARTS LIST

ITEM	P/N	DESCRIPTION	QTY.
	IXRC00300	INDEXSS RC1162-4R	
1	IXRC00301	Hole Ring	1
2	IXRC00302	Adaptor tube-Remet 4"	1
3	IXRC00303	Inner O-Ring for adaptor tube	1
	IXRC00304	Outer O-ring for adaptor tube	1
4	IXRC00305	Top Sub-Remet 4"	1
5	IXRC00306	Hole Ring	1
6	IXRC00307	O-Ring for sample tube	5
7	IXRC00308	Sample tube RC1162	1
8	IXRC00309	O-ring for air screen	1
9	IXRC00310	Air screen	1
10	IXRC00311	Check valve	1
11	IXRC00107	Y-ring	1
12	IXRC00312	Spring	1
13	IXRC00313	O-ring for tube seat	1
14	IXRC00314	Tube seat	1
15	IXRC00315	O-ring for inner cylinder	1
16	IXRC00316	Inner Cylinder	1
17	IXRC00317	Piston	1
18	IXRC00318	Outer Cylinder	1
19	IXRC00319	O-ring for bush drive sub	2
20	IXRC00320	Bush drive sub	1
21	IXRC00321	O-ring for chuck ring	1
22	IXRC00322	Chuck ring	1
23	*	Shrouds	1
24	IXRC00324	Chuck sleeve	1
25	*	TH1162 RC Bit	1

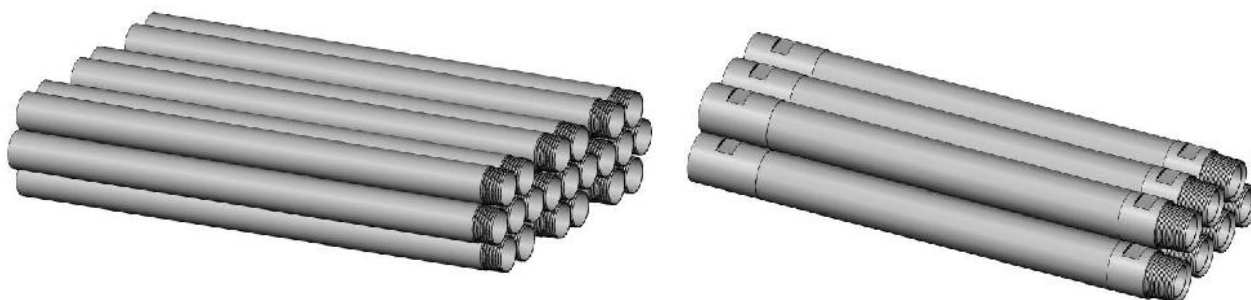
* Please refer to Bit catalogue for RC Bit/Shroud list.



PARTS LIST		
ITEM	P/N	DESCRIPTION
	IXRC00200	INDEXSS RC 1261-4.5R
1	IXRC00201	O ring for adaptor tube
2	IXRC00202	Adaptor tube-Remet 4.5
3	IXRC00203	Hole Ring
4	IXRC00204	Air Screen
5	IXRC00205	Axle ring
6	IXRC00206	Top sub-R4.5
7	IXRC00106	Check Valve
8	IXRC00107	Y - Ring
9	IXRC00108	Spring
10	IXRC00207	Steel pad ring
11	IXRC00110	Rubber ring
12	IXRC00208	Outer O ring for sample tube
13	IXRC00112	air distributing seat
14	IXRC00209	Inner O ring for sample tube
15	IXRC00208	Outer O ring for sample tube
16	IXRC00210	Sample tube
17	IXRC00211	Tube Seat
18	IXRC00212	O-ring
19	IXRC00213	Inner Cylinder
20	IXRC00214	Piston
21	IXRC00215	Outer Cylinder
22	IXRC00216	Check ring
23	IXRC00217	Inner O ring for bush drive sub
24	IXRC00218	Outer O ring bush drive sub
25	IXRC00219	Bush Drive Sub
26	IXRC00220	O ring for chuck ring
27	IXRC00221	Chuck ring
28	*	Shrouds
29	IXRC00223	Chuck sleeve
30	*	TH1261 RC BIT

* Please refer to Bit catalogue for RC Bit/Shroud list.

* Other size of TH RC Hammers are available upon request



DIAMOND RODS AND CASING

P/N	DESCRIPTION	KG
IX00006106	NQ Drill Rod 1.0 M	8.00
IX00006107	NQ Drill Rod 1.5 M	11.70
IX00006109	NQ Drill Rod 3.0 M	23.40
IX00006111	HQ Drill Rod 1.0 M	12.00
IX00006112	HQ Drill Rod 1.5 M	17.20
IX00006114	HQ Drill Rod 3.0 M	34.40
IX00006101	PQ/HWT Rod/Casing 1.0 M	16.80
IX00006102	PQ/HWT Rod/Casing 1.5 M	25.25
IX00006104	PQ/HWT Rod/Casing 3.0 M	50.50
IX00006115	PWT Casing 1.5M	32.00
IX00006116	PWT Casing 3.0M	62.00
IX00006117	PWT Casing 1.0M	21.00

RC RODS

P/N	DESCRIPTION
IXRC00357	4 remet RC Rod 3m with Inner Tube (Stainless Steel) I-Seal
IXRC00358	4 Remet Inner Tube RC Rod 3m (Stainless Steel) I-Seal
IXRC00376	4 Remet RC Rod 3.3m with Inner Tube (Steel) I-Seal
IXRC00377	4 Remet Inner Tube RC Rod 3.3m (Steel) I-Seal
IXRC00362	4 remet RC Rod 3m w/ inner tube (steel) I-Seal
IXRC00363	4 Remet inner tube RC rod 3m (steel) I-Seal
IXRC00374	4 Remet RC Rod 5m w/ Inner Tube Assy (steel) I-Seal
IXRC00375	4 Remet Inner Tube RC Rod 5m (steel) I-Seal
IXRC00380	4 Remet RC Rod 5m with Inner Tube Assy (Stainless Steel) I-Seal
IXRC00381	4 Remet Inner Tube RC Rod 5m (Stainless Steel) I-Seal
IXRC00396	4 remet RC rod 6m w/ inner tube (steel) I-Seal
IXRC00398	4 Remet Inner Tube RC Rod 6m (Steel) I-Seal
IXRC00397	4 Remet RC Rod 6m with Inner Tube (Stainless Steel) I-Seal
IXRC00399	4 Remet Inner Tube RC Rod 6m (Stainless Steel) I-Seal
IXRC00390	4 1/2 Remet RC Rod 6m with Inner Tube (Steel) I-Seal
IXRC00391	4 1/2 Remet Inner Tube RC Rod 6m (Steel) I-Seal
IXRC00392	4 1/2 Remet RC Rod 6m with Inner Tube (Stainless Steel) I-Seal
IXRC00393	4 1/2 Remet Inner Tube RC Rod 6m (Stainless Steel) I-Seal

* O-ring type and other lengths are available upon request



PRE-PACKING & PACKING

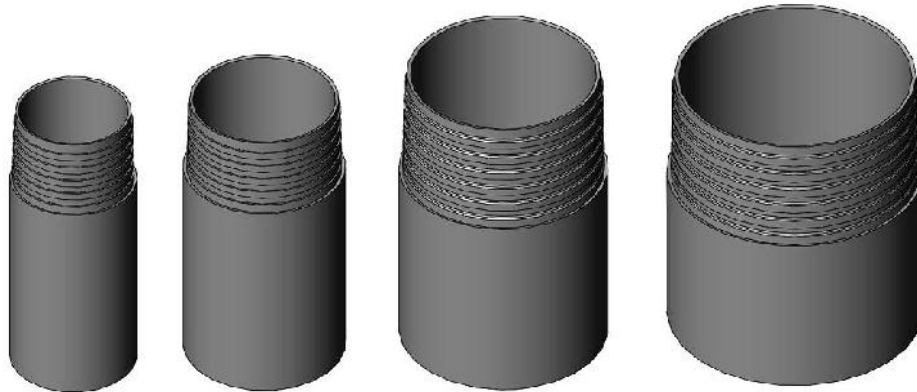
- Rust inhibitor coated drill rods and casings are imported and machined in the factory.
- A specific thread compound, FastLUBE AG, is applied to threaded areas for lubrication and rust inhibition purposes prior to packing.
- Plastic cover caps are used to seal the lubrication in to the threaded area.
- Hexagonal bundle caps are assembled to bundles for additional protection.
- FastLUBE AG is available from Indexss and it is available in 22kg cans.

LUBRICATION & USAGE

- Since FastLUBE AG is applied to drill rods and casings prior to shipment, lubrication is not necessary for first use.
- Cleaning and re-lubrication is essential to reduce thread wear and Indexss strongly recommends proper usage of thread compounds prior to re-use of drill rods.
- Thread compound also affect the torque transfer through the joint. Wrong choice and application of thread compound will increase the losses in the joint.
- Unspecified additives will decrease the performance of thread compound and it must be avoided.

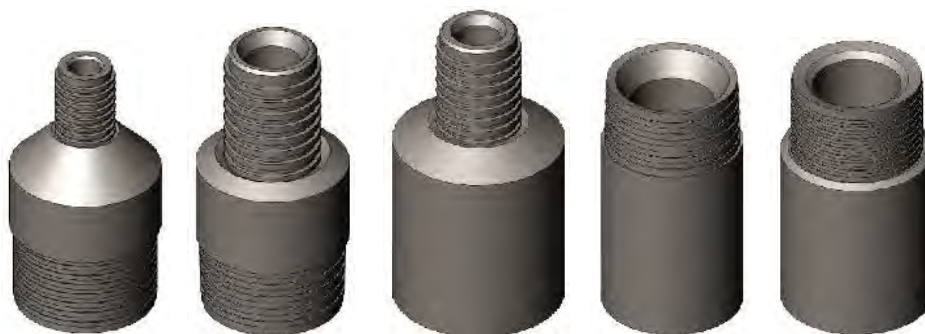
STORAGE

- Threads must be cleaned and lubricated prior to storage.
- Proper support will prevent bending and keeping a distance from the ground will reduce the corrosive effects of moisture and dirt.
- Usage of rust inhibitor is recommended for long term storage.



SAVER SUBS	
P/N	DESCRIPTION
IX00007175	NQ Pin - Box Rod Adaptor (NQ Saver Sub)
IX00007202	HQ Pin - Box Rod Adaptor (HQ Saver Sub)
IX00007210	HWT Pin - Box Adaptor (HWT Saver Sub)
IX00007218	PWT Pin-Box Rod Adaptor (PWT SAVER SUB)

NOTE: Made from Rod Material



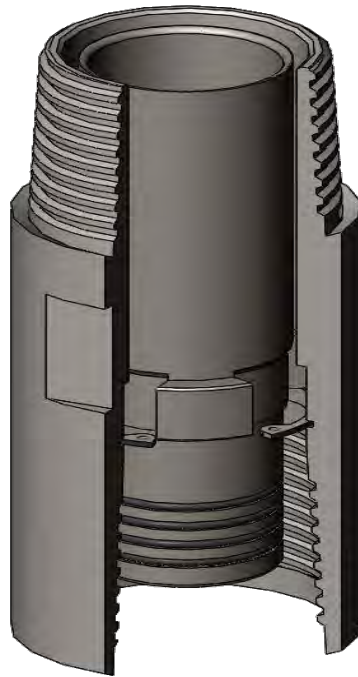
SUBS	
P/N	DESCRIPTION
IX00007277	2 3/8" IF API Pin to 2 3/8" Reg API Box
IX00007278	NWT Pin to PWT Pin
IX00007279	PWT Pin to 4 1/2" IF Box
IX00007280	PWT Pin to PWT Box
IX00007281	HW Pin to HWT Box
IX00007282	2 3/8 IF API Box - 2 3/8" IF API Box
IX00007283	PW Pin to 4 1/2" IF API Box Drive Sub
IX00007284	HQ Rod Pin to HQ Rod Box
IX00007285	2 3/8" Reg Pin to 2 3/8" Reg Pin Sub
IX00007286	HWT Box to H Pin
IX00007287	PWT Pin to BW Pin
IX00007288	PWT Pin to NW Pin
IX00007289	PWT Pin to H Box
IX00007293	PWT Saver Sub
IX00007294	NW Pin to HWT Box
IX00007295	HQ Pin to 2 3/8" Reg API Box Sub
IX00007297	2 3/8" IF Box to HQ Pin
IX00007298	2 3/8" IF Box to NQ Pin
IX00007299	2 7/8" REG API Box to HQ Rod Box
IX00007300	2 3/8" REG API Box to NQ Rod Box
IX00007301	PW Casing Pin to NW Rod Pin
IX00007302	SW Pin to PWT Rod Box
IX00007303	2 7/8" IF Box to HQ Rod Pin
IX00007304	2 7/8" IF Box to PQ Rod Pin
IX00007305	2 7/8" IF Box to PWT Rod Pin
IX00007306	NW Pin to NQ Pin (Pulling Plug Extension for Rod Spinner)
IX00007307	NW Pin to HQ Pin (Pulling Plug Extension for Rod Spinner)
IX00007308	NW Pin to PQ Pin (Pulling Plug Extension for Rod Spinner)
IX00007309	3 1/2" IF Box to 4" Metzke Pin
IX00007313	2 3/8" IF Box to HWT Pin
IX00007314	4" Remet Box to HWT Pin
IX00007315	4 1/2" Remet Box to HWT Pin
IX00007316	4 1/2" Reg API Box to 4" Remet Box
IX00007317	4 1/2 API Reg box – NC50 4 1/2 IF pin
IX00007318	4 1/2 API Reg box – 4 1/2 API Reg box
IX00007319	NC50 4 1/2 IF box - 4 1/2 API Reg box
IX00007320	NC50 4 1/2 IF box – 4 1/2" API Reg pin
IX00007321	4 1/2" Reg API Box to 4" Remet Pin

SUBS		
	P/N	DESCRIPTION
	IX00007156	AW Pin to N Pin
	IX00007157	AW Pin to H Pin
	IX00007158	AW Pin to HWT Pin
	IX00007159	AW Pin to NW Casing Pin
	IX00007160	AW Pin to HW Casing Pin
	IX00007161	AW Box to AW Box
	IX00007162	AW Box to AW Pin
	IX00007163	BW Pin to N Pin
	IX00007164	BW Pin to HWT Pin
	IX00007165	BW Pin to H Pin
	IX00007166	BW Pin to HW Casing Pin
	IX00007167	BW Pin to BW Pin
	IX00007168	BW Box to BW Pin
	IX00007169	B Rod Saver Sub
	IX00007170	B Rod Box to N rod Box
	IX00007171	B Rod Pin to N Rod Box
	IX00007172	B Rod Pin to H Rod Box
	IX00007173	B Rod Pin Pin Sub
	IX00007174	B Rod Box Box Sub
	IX00007309	3 1/2" IF Box to 4" Metzke Pin
	IX00007176	N Rod Pin to H Rod Box
	IX00007177	N Rod Pin to HWT Rod Box
	IX00007178	N Rod Pin to HWT Rod pin
	IX00007181	N Box to H Pin
	IX00007182	N Pin to H Pin
	IX00007183	NW Rod Pin to H Pin
	IX00007184	NW Rod Pin to N Pin
	IX00007185	NW Rod Pin to HWT Pin
	IX00007188	NW Box to H Pin
	IX00007189	NW Box to HWT Pin
	IX00007190	NW Box to PWT Pin
	IX00007191	NW Pin to B Pin
	IX00007192	NW Pin to NW Pin
	IX00007193	NW Pin to NW Box
	IX00007194	NW Pin to N Box
	IX00007195	NW Pin to H Box
	IX00007196	NWT Pin to N Pin
	IX00007197	NWT Pin to H Pin
	IX00007198	NWT Pin to HWT Pin
	IX00007199	NQ BOX to NW PIN
	IX00007200	NWT Pin to H Box
	IX00007201	N Rod Box to H Rod Pin
	IX00007203	H Rod Box to HWT Rod Pin
	IX00007204	H Rod Pin to HWT Rod Box
	IX00007205	H Rod Pin to HW Casing Pin
	IX00007206	HQ Rod Box to HW Casing Pin
	IX00007207	HQ Rod Box to NW Casing Pin
	IX00007208	HQ Rod Pin to NQ Rod Pin
	IX00007209	H Box to HWT Pin
	IX00007212	HW Casing Pin to P Box
	IX00007213	PW Pin to HWT Pin
	IX00007214	PW Pin to HWT Box
	IX00007215	PWT Box to PW Casing Pin
	IX00007216	PWT Pin to PW Casing Box

SUBS		
P/N	DESCRIPTION	
IX00007217	PWT Pin to HWT Box	
IX00007296	AW Pin to AW Pin (for Floating Spindle Top Cap)	
IX00007219	4 1/2 Reg API Box to N,H,HWT Rod Pin	
IX00007220	4 1/2 Reg API Pin to N Pin	
IX00007221	4 1/2 Reg API Box to H Pin	
IX00007222	4 1/2 Reg API Box to HWT Pin	
IX00007223	3 1/2 Reg API Pin to N Pin	
IX00007224	3 1/2 IF Pin to N Pin	
IX00007225	3 1/2 Reg API Pin to H Pin	
IX00007226	3 1/2 IF Pin to H Pin	
IX00007227	3 1/2 Reg API Pin to HWT Pin	
IX00007228	3 1/2 Reg API Box to HWT Pin	
IX00007229	3 1/2 Reg API Box to HWT Rod Pin	
IX00007230	3 1/2 Reg API Box to N Pin	
IX00007231	3 1/2 Reg API Box to H Pin	
IX00007233	3 1/2 IF Pin to HWT Pin	
IX00007234	3 1/2 Reg API Pin to HW Casing Pin	
IX00007235	3 1/2 IF Pin to HW Casing Pin	
IX00007236	3 1/2 Reg API Box to HW Casing Pin	
IX00007237	3 1/2 IF Box to HW Casing Pin	
IX00007238	3 1/2 Reg API Pin to 2 3/8 Reg API Box	
IX00007239	3 1/2 Reg API to H Box	
IX00007240	3 1/2 IF Pin to H Box	
IX00007241	3 1/2 Reg API Pin to N Box	
IX00007242	2 7/8 IF to HW Casing Pin	
IX00007243	2 7/8 Reg to HW Casing Pin	
IX00007244	2 7/8 IF Pin to H Pin	
IX00007245	2 7/8 IF Pin to HW Pin	
IX00007246	2 7/8 Reg API Pin to HW Pin	
IX00007247	2 7/8 IF Pin to H Box	
IX00007248	2 7/8 Reg API Pin to H Box	
IX00007249	2 7/8 IF Pin to N Box	
IX00007250	2 7/8 Reg API Pin to N Box	
IX00007251	2 7/8 IF Pin to HWT Box	
IX00007252	2 7/8 Reg API to HWT Box	
IX00007253	2 7/8 Reg API Box to HWT Box	
IX00007254	2 7/8 IF Pin to BW Box	
IX00007255	2 7/8 Reg API Pin to BW Box	
IX00007256	2 7/8 IF Pin to NW Box	
IX00007257	2 7/8 Reg API Pin to NW Box	
IX00007258	2 3/8 Reg API Pin to BW Box	
IX00007259	2 3/8 Reg API Pin to NW Box	
IX00007260	2 3/8 Reg API Pin to HWT Box	
IX00007261	2 3/8 Reg API Pin to HWT Pin	
IX00007262	2 3/8 Reg API Pin to N Box	
IX00007263	2 3/8 Reg API Pin to H Box	
IX00007264	2 3/8 Reg API Box to HQ ROD Box	
IX00007265	2 3/8 Reg API Pin to 2 3/8 API Reg Box	
IX00007266	2 3/8 Reg API Pin to BW Pin	
IX00007267	2 3/8 Reg API Pin to N Pin	
IX00007268	2 3/8 IF Pin to N Pin	
IX00007269	2 3/8 Reg API Pin to H Pin	
IX00007270	2 3/8 IF Pin to H Pin	
IX00007271	2 7/8 Reg API Pin to 3 1/2 IF Reg Box	
IX00007272	2 7/8 IF Pin to 3 1/2 IF Reg Box	
IX00007273	2 3/8 Reg API Pin to H pin	
IX00007274	2 3/8" IF API Pin to 2 3/8" IF API Box	
IX00007275	2 3/8" IF API Pin to NWT Pin	
IX00007276	2 3/8" IF API Pin to 4 1/2" IF API Box	

SUBS	
P/N	DESCRIPTION
IX00007326	Cross-Over Sub 6 5/8 REG BOX to 4 1/2 IF PIN
IX00007327	Cross-Over Sub 4 1/2 IF BOX to 6 5/8 REG PIN
IX00007338	NQ Rod Pin to 2 3/8" Reg API Box
IX00007339	HWT Pin to 2 3/8" Reg API Box
IX00007343	NQ Box to PWT Pin
IX00007344	NQ Box to HWT Pin
IX00007348	2 3/8" API IF Pin to NQ Rod Pin
IX00007349	NW Rod Pin to BQ Rod Pin
IX00007350	4" Remet Box to 2 3/8" API Reg Box w/ spanner flats
IX00007354	4" Remet Box to 3 1/2" API Reg Box w/ Spanner flats
IX00007355	4 1/2" Remet Box to 3 1/2" API Reg Box w/ Spanner flats
IX00007356	3 1/2" API Reg Pin to 4" Remet Pin
IX00007357	3 1/2" API Reg Pin to 4 1/2" Remet Pin

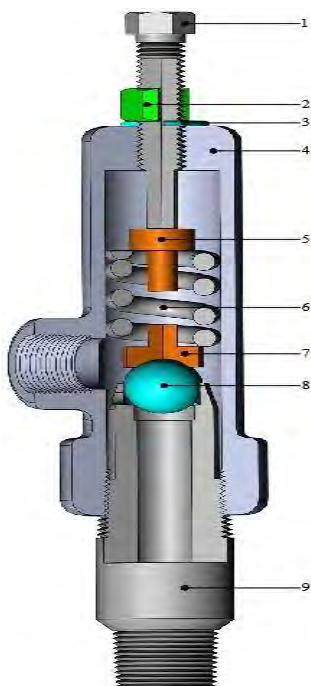
*Other customs subs are available upon request



REMET SUB P/N	DESCRIPTION
IXRC411010	4" Remet Pin to 4" Remet Box RC Saver Sub 200mm s/s Assembly (with spanner flats)
IXRC411020	4" Remet Pin to 4" Remet Box RC Saver Sub 150mm s/s Assembly
IXRC411030	4" Remet Pin to 4 1/2" Remet Box RC Saver Sub 200mm s/s Assembly (with spanner flats)
IXRC411040	4" Remet Pin to 4 1/2" Remet Box RC Saver Sub 150mm s/s Assembly
IXRC411050	4" Remet Box- Blow Back Caps
IXRC411100	4" Remet Blow Down Sub 130mm s/s Assembly
IXRC411110	Harlsan Sample Tube Sub Schramm (4" Pin to 4 1/2" Box Remet Outer Tube 150mm s/s with Pins)
IXRC411120	4" Remet Pin to 4" Remet Box RC Saver Sub 185mm s/s Assembly (with spanner flats)
IXRC411130	4" Remet Pin to 4" Metzke Box 150mm s/s Assembly
IXRC411140	4" Remet Pin to 4 1/2" Remet Box 450mm s/s Assembly
IXRC411150	4" Remet Pin to 4" Remet Box RC Sub 235mm-ASSY with Spanner Flat
IXRC422010	4 1/2" Remet Pin to 4 1/2" Remet Box RC Saver Sub 200mm s/s Assembly (with spanner flats)
IXRC422020	4 1/2" Remet Pin to 4 1/2" Remet Box RC Saver Sub 150mm s/s Assembly
IXRC422030	4 1/2" Remet Pin to 4" Remet Box RC Saver Sub 200mm s/s Assembly (with spanner flats)
IXRC422040	4 1/2" Remet Pin to 4" Remet Box RC Saver Sub 225mm s/s Assembly (with spanner flats)
IXRC422050	4 1/2" Remet Pin to 4" Remet Box RC Saver Sub 150mm s/s Assembly
IXRC422100	4 1/2" Remet Box- Blow Back Caps
IXRC422110	4 1/2" Remet Blow Down Sub 130mm s/s Assembly

METZKE SUB P/N	DESCRIPTION
IXRCMET010	4" Metzke Pin to 4" Metzke Box 150mm s/s Assembly
IXRCMET020	4" Metzke Pin to 4" Remet Box 150mm s/s Assembly
IXRCMET030	4" Metzke Pin to 4 1/2" Remet Box Sub Assembly

*Other customs subs are available upon request

**RELIEF VALVE**

Maximum Capacity: 1,100 psi / 7.8 Mpa

ITEM	P/N	DESCRIPTION	KG
1-9	IX00007131	Relief Valve Assy	3.40

ITEM	P/N	DESCRIPTION	KG
1	IX00007132	Relief Valve Adjusting Screw	0.18
2	IX00007133	Relief Valve Lock Nut	0.03
3	IX00010206	Relief Valve Washer	0.01
4	IX00007134	Relief Valve Body	1.92
5	IX00007135	Relief Valve Spring Guide	0.13
6	IX00007136	Relief Valve Spring	0.09
7	IX00007137	Relief Valve Ball Holder	0.10
8	IX00007138	Stainless Steel Ball Ø25mm	0.07
9	IX00007139	Relief Valve Special Seat	0.88

**ROD TAP**

P/N	DESCRIPTION	KG
IX00007409	BW RH Rod Tap to B Rod Box	2.35
IX00007400	NQ R/H Tap; NQ Rod Box	3.40
IX00007402	HQ R/H Tap; HQ Rod Box	5.60

* Left Hand Taps are available upon request.

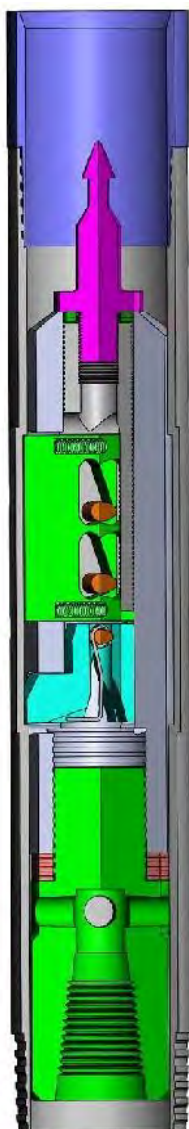
CASING TAP

P/N	DESCRIPTION	KG
IX00007404	HWT R/H Tap; HWT Rod Box	10.4
IX00007406	PW/PWT R/H Tap; HWT Rod Box	13.5

* Left Hand Taps are available upon request.

HWT WIRELINE CASING ADVANCER & CASING CUTTER

45



HQ WIRELINE CASING ADVANCER

ITEM	P/N	DESCRIPTION	KG
	IX00010262	HQ Wireline Casing Advancer Assy	32.40

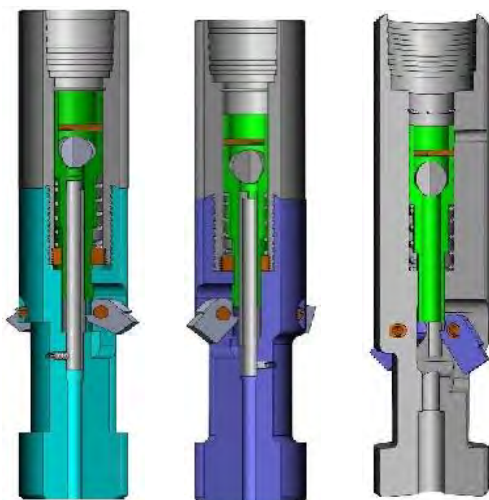
HWT WIRELINE CASING ADVANCER

ITEM	P/N	DESCRIPTION	KG
	IX00007500	HWT Wireline Casing Advancer Assy	32.40

PWT WIRELINE CASING ADVANCER

ITEM	P/N	DESCRIPTION	KG
	IX00007800	PWT Wireline Casing Advancer Assy	32.40

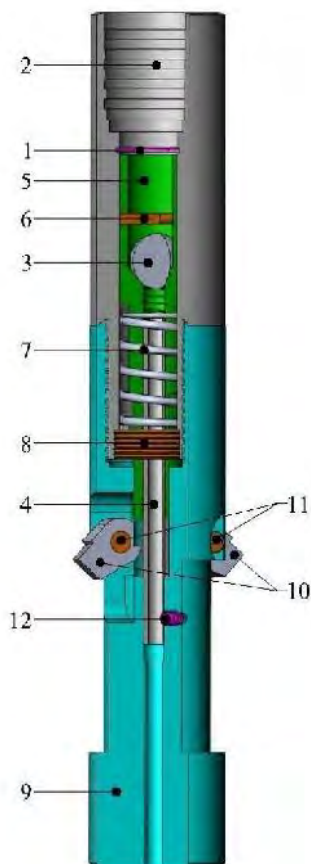
*Parts for Casing Advancer are available upon request



CASING CUTTER

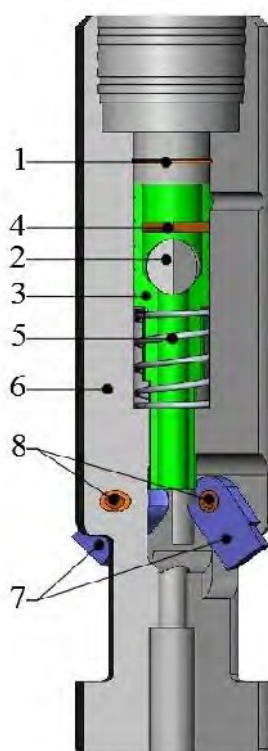
P/N	DESCRIPTION	KG
IX00010126	NQ Casing Cutter	5.50
IX00010127	HQ Casing Cutter	9.50
IX00010128	PQ Casing Cutter	16.50
IX00010207	PWT Casing Cutter	21.70
IX00010129	NQ Cutter Blade	0.05
IX00010130	HQ Cutter Blade	0.12
IX00010131	PQ Cutter Blade	0.17
IX00010146	PWT Cutter Blade	0.26

FOR NQ, HQ & HWT CASING CUTTER

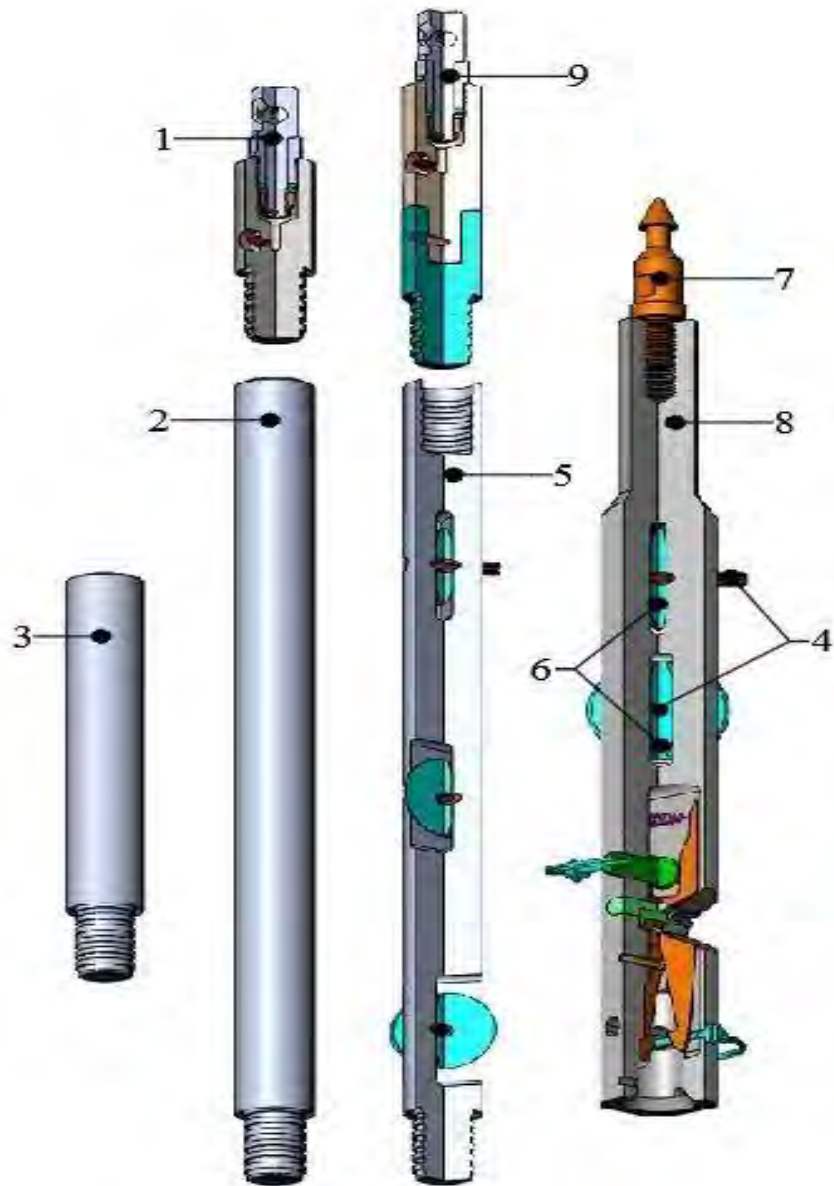


IX00010126		BW Casing / NQ Rod Cutter		
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010908	Retaining Ring		1
2	IX00010909	Plunger Case		1
3	IX00010910	Stainless Steel Ball, 15/16"		1
4	IX00010911	Water Tube		1
5	IX00010912	Plunger, NQ		1
6	IX00010913	Coil Pin, 3/16" x 1-3/8" LG, NQ		1
7	IX00010914	Spring, NQ		1
8	IX00010915	Spring Rest, NQ		1
9	IX00010916	Body, NQ		1
10	IX00010917	Casing Cutter Lug, NQ		2
11	IX00010918	Casing Cutter Pin, NQ		2
12	IX00010919	Set Screw, 1/4" UNC x 3/8" (NQ,HQ)		1

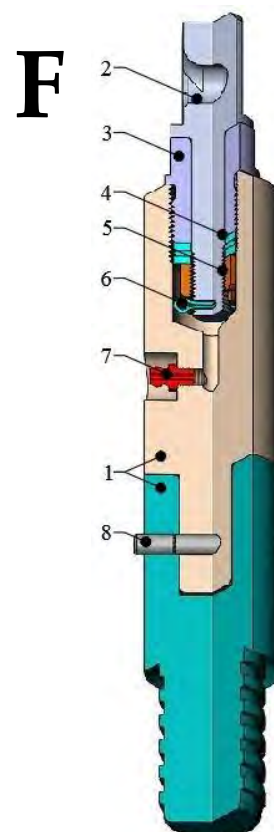
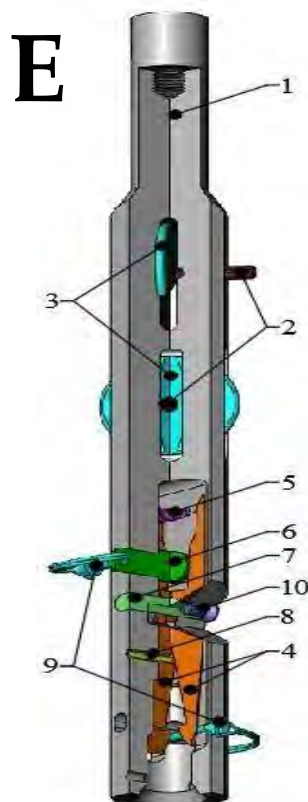
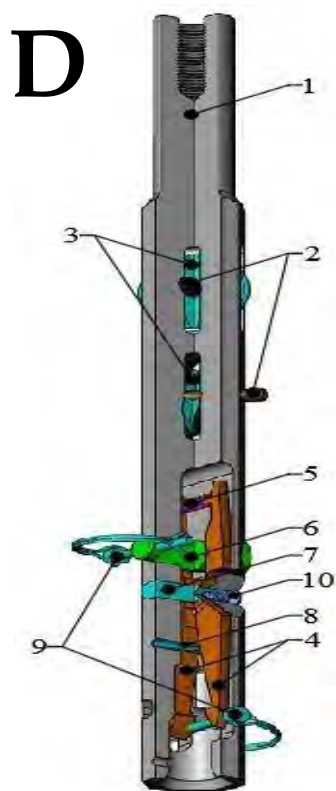
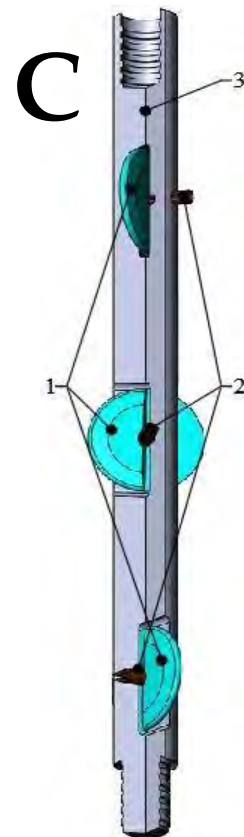
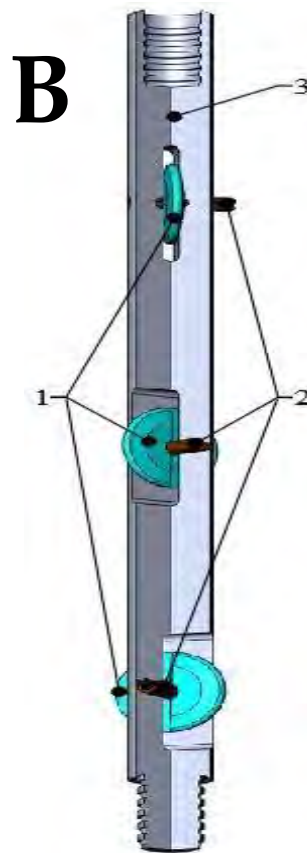
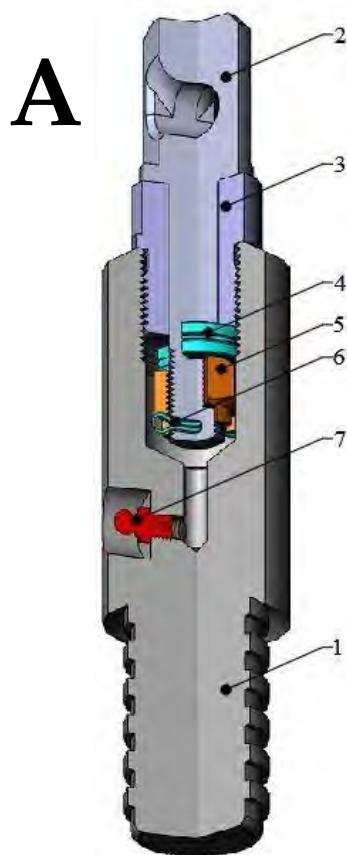
IX00010127		NW Casing / HQ Rod Cutter		
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010920	Retaining Ring (HQ,HWT,PWT)		1
2	IX00010921	Plunger Case, HQ		1
3	IX00001669	Ball, Valve (Steel Ball 1-1/8")		1
4	IX00010923	Water Tube, HQ		1
5	IX00010924	Plunger (HQ, HWT)		1
6	IX00010925	Coil Pin, 3/16" x 1-5/8" LG (HQ,HWT,PWT)		1
7	IX00010926	Spring (HQ,HWT,PWT)		1
8	IX00010927	Spring Rest, HQ		1
9	IX00010928	Body, HQ		1
10	IX00010929	Casing Cutter Lug, HQ		2
11	IX00010930	Casing Cutter Pin, HQ		2
12	IX00010919	Set Screw, 1/4" UNC x 3/8" (NQ,HQ)		1



IX00010128		HWT Casing / PQ Rod Cutter		
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010920	Retaining Ring (HQ,HWT,PWT)		1
2	IX00001669	Ball, Valve (Steel Ball 1-1/8")		1
3	IX00010924	Plunger (HQ, HWT)		1
4	IX00010925	Coil Pin, 3/16" x 1-5/8" LG (HQ,HWT,PWT)		1
5	IX00010926	Spring (HQ,HWT,PWT)		1
6	IX00010932	Body (HWT, PWT)		1
7	IX00010933	Casing Cutter Lug		2
8	IX00010934	Spring Pin, 7/16" x 3" (HWT, PWT)		2



Roller Parts				
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010839	Cable Swivel Body Roller Adaptor Assy	1.80	1
2	IX00010829	Cable Swivel Body Long Roller	7.20	1
3	IX00010830	Cable Swivel Body Short Roller	3.80	1
4	IX00001592	Spring Pin 3/8" x 2"	0.02	2
5-A	IX00010835	NQ Cable Swivel Body Roller Assy	7.95	1
5-B	IX00010836	HQ Cable Swivel Body Roller Assy	7.95	1
8-A	IX00010837	NQ Overshot Head, Indexss Lock Roller Assy	12.46	1
8-B	IX00010838	HQ Overshot Head Indexss Lock, Roller Assy	12.46	1
OPTION:				
6-A	IX00010832	NQ Roller Wheel	0.13	2
6-B	IX00010833	HQ Roller Wheel	0.13	2
7	IX00010841	Spearhead Point Roller Overshot	0.20	1
9	IX00010842	Roller Adaptor Shear Pin Type Assy	2.52	1



IX00010839		Cable Swivel Body Roller Adaptor Assy	A	
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010834	Cable Swivel Body Roller Adaptor	1.26	1
2	IX00001565	Eye Bolt	0.30	1
3	IX00001566	Cable Swivel Collar	0.11	1
4	IX00001567	Thrust Bearing	0.06	1
5	IX00001568	Nut	0.05	1
6	IX00001569	Cotter Pin 3/32 X 1	0.01	1
7	IX00001533	Grease Fitting	0.01	1
IX00010835		NQ Cable Swivel Body Roller Assy	B	
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010832	NQ Roller Wheel	0.13	3
2	IX00001592	Spring Pin 3/8" x 2"	0.02	3
3	IX00010831	NQ-HQ-PQ Cable Swivel Body Roller	7.80	1
IX00010836		HQ Cable Swivel Body Roller Assy	C	
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010833	HQ Roller Wheel	0.13	3
2	IX00001592	Spring Pin 3/8" x 2"	0.02	3
3	IX00010831	NQ-HQ-PQ Cable Swivel Body Roller	7.80	1
IX00010837		NQ Overshot Head, Indexss Lock Roller Assy	D	
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010827	NQ Overshot Head, Indexss Lock Roller	3.95	1
2	IX00001592	Spring Pin 3/8" x 2"	0.02	2
3	IX00010832	NQ Roller Wheel	7.80	2
4	IX00001580	Lifting Dog	0.25	1
5	IX00001579	Lifting Dog Spring	0.25	1
6	IX00001940	Overshot Safety Pin, NQ	0.06	1
7	IX00001576	Overshot Head Pivot Pin, NQ	0.08	1
8	IX00001577	Spring Pin 1/4" x 1-3/4"	0.01	1
9	IX00001842	Locking Pin	0.03	2
10	IX00002011	C/sunk S/H Cap Screw M8 X 1.25	0.01	1
IX00010838		HQ Overshot Head, Indexss Lock Roller Assy	E	
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010828	HQ Overshot Head Indexss Lock, Roller	3.95	1
2	IX00001592	Spring Pin 3/8" x 2"	0.02	2
3	IX00010833	HQ Roller Wheel	7.80	1
4	IX00001580	Lifting Dog	0.25	2
5	IX00001579	Lifting Dog Spring	0.25	1
6	IX00001941	Overshot Safety Pin, HQ	0.06	1
7	IX00001635	Overshot Head Pivot Pin, HQ	0.08	1
8	IX00001636	Spring Pin 1/4" x 2"	0.01	1
9	IX00001842	Locking Pin	0.03	2
10	IX00002011	C/sunk S/H Cap Screw M8 X 1.25	0.01	1
IX00010842		Roller Adaptor Shear Pin Type Assy	F	
ITEM	P/N	DESCRIPTION	KG	QTY.
1	IX00010840	Roller Adaptor Shear Pin Type	2.52	1
2	IX00001565	Eye Bolt	0.30	1
3	IX00001566	Cable Swivel Collar	0.11	1
4	IX00001567	Thrust Bearing	0.06	1
5	IX00001568	Nut	0.05	1
6	IX00001569	Cotter Pin 3/32 X 1	0.01	1
7	IX00001533	Grease Fitting	0.01	1
8	IX00010843	Roller Adaptor Shear Pin	0.01	1



ACCESSORIES	
P/N	DESCRIPTION
IX00010124	Insert Carbide
IX00010125	Pressure Gauge 1000 psi
IX00010135	NQ-HQ Split Tube Loader
IX00010136	LED Light
IX00010174	Cable Cutter
IX00010175	HQ Carbon Plug
IX00010217	Hayes Coupling (IsuzuL, 13T16/32,B2,50,SIDE)902015
IX00010218	Hayes Coupling (KB05,13T16/32,B2,50) 952174
IX00010220	Dermatograph Pencil Marker
IX00010221	Spilfyter Oil Absorbent Pads (Bale)
IX00010222	Soltech Hydraulic Motor
IX00010223	Hydraulic Pressure Test Gauge Hoses
IX00010224	Cyclone/Sample Hose 3" (per meter)
IX00010225	Murphy EGS21T - 250 - 12
IX00010226	Murphy EGS21T - 100 - 12
IX00010227	Murphy ESP - 100
IX00010228	Murphy EGS21T - 300 - 12
IX00010229	Murphy EGS21T - 24 CONVERTER
IX00010230	Murphy EST-250/300 - 1/8 (TEMP SENDER)
IX00010231	Murphy ATS-40-A
IX00010240	Mounted Wheel SPEC GC 60 O V W236 Size (84917-4078860)
IX00010241	DIXON Boss Clamp 4 1/2"
IXCO000023	Sola Inclonometer
IXCO000020	RC rod wipers size : 3 1/2" ID
IXCO000044	RC rod wipers size : 4" ID
IX00010233	2" Split Spoon Sampler Assy
IX00010235	Isuzu Alternator (8972251170)
IX00010236	Single Bolt-Solderless Suits 10mm Bolt Suits Negative Terminals Brass
IX00010237	Single Bolt-Solderless Suits 10mm Bolt Suits Positive Terminals Brass
IX00010238	Battery Isolator Switch 75910 RBX
IX00010239	Tong Die, 1/2"X1-1/4"X5"
IX00001821	NQ Flexi Barrel Extension (front)
IX00001822	NQ Flexi Barrel (Rear Extension)
IX00007324	HQ Flexi Barrel (Front)
IX00007325	HQ Flexi Barrel (Rear)
IX00010610	Piston Cup, 2-1/4 Carbox. Nitrile
IX00010652	Cylinder 2-1/4" ID Ceramic
IX00001828	Outer Tube Wrenches, PQ
IX00001833	Outer Tube Wrenches, HQ
IX00001917	Big Finger Open Basket Core Catcher, PQ
IX00001918	2" Plastic Core Catcher
IX00010278	NQ wooden plug w/ water ways
IX00010279	HQ wooden plug w/ water ways
IX00010280	PQ wooden plug w/ water ways
GC01	Super Jaws Glove Clips

SPT SAMPLER SYSTEM	
P/N	DESCRIPTION
IX00010321	SPT samplers with BW conn
IX00010322	SPT shoes
IX00010323	Spt Auto hammer with BW conn

*Other Parts for SPT Sampler are available upon request



RIDGID PIPE WRENCHES	
P/N	DESCRIPTION
IXCO000024	Ridgid Knurl Nut 18"
IXCO000025	Ridgid Knurl Nut 24"
IXCO000038	Ridgid Knurl Nut 36"
IXCO000027	Ridgid Knurl Nut 48"
IXCO000028	Ridgid Hook Jaw 18"
IXCO000029	Ridgid Hook Jaw 24"
IXCO000030	Ridgid Hook Jaw 36"
IXCO000031	Ridgid Hook Jaw 48"
IXCO000032	Ridgid Heel and Jaw Pin 18"
IXCO000045	Ridgid Heel and Jaw Pin 24"
IXCO000046	Ridgid Heel and Jaw Pin 36"
IXCO000035	Ridgid Heel and Jaw Pin 48"
IXCO000036	Ridgid Flat and Coil Spring 18"
IXCO000037	Ridgid Flat and Coil Spring 24"
IXCO000050	Ridgid Flat and Coil Spring 36"
IXCO000039	Ridgid Flat and Coil Spring 48"

WIRELINE			
P/N	DESCRIPTION	METER	
IX00010132	Wireline Cable (6mm)	500	
IX00010133	Wireline Cable (6mm)	1000	
IX00010134	Wireline Cable (6mm)	2000	

*Other sizes are available upon request



SUN CARTRIDGE

P/N	DESCRIPTION
ECV	Sun Cartridge
FAV	Sun Cartridge
CBCA LAN	Sun Cartridge
CBEA-LAN	Sun Cartridge
PBDB-LAN	Sun Cartridge
IX00010234	Sun Cartridge RPECLAN
RVAC-LAN	Sun Cartridge
FREC-LAN 80N	Flow Control Valve
HP1352A03AHP01	High Efficiency Fiber Glass Pressure Line Cartridge
HP3204A03AH	High Efficiency Fiber Glass Pressure Line Cartridge

DTH HAMMER BIT

P/N	DESCRIPTION
IX00010250	Hole opener bit d 130mm, D 254mm for 8 DTH Hammer
IX00010251	Hole opener bit, d 245mm, D 350mm for 8 DTH hammer
IX00010247	DHD 380 x 305mm Button Bit

DTH HAMMER BIT

P/N	DESCRIPTION
IX00010250	Hole opener bit d 130mm, D 254mm for 8 DTH Hammer
IX00010251	Hole opener bit, d 245mm, D 350mm for 8 DTH hammer
IX00010247	DHD 380 x 305mm Button Bit

*Other DTH Hammer Sizes are available upon request

DTH HAMMER

P/N	DESCRIPTION
IX00010246	8" Conventional DTH Hammer

ALLIED HEAT TRANSFER

Replacement Aluminum Oil and Air Coolers

Allied Heat Transfer coolers are made in brazing and not salt baths. They are more corrosion resistant and can be rated from 150psi to 500psi. Each cooler is NATA tested, guaranteeing top quality. We have a large range in stock or we can create custom designs.

*Hydraulic coolers are available upon request.

ASHDOWN AUTOMOTIVE

All item from Ashdown catalogue can be supplied.

*Other DTH Hammer / Bit Sizes and Hydraulic coolers are available upon request



Metal-Free, Full Protection.

100% made in South Africa since 1977.

STIMELA XP

Heavy Duty PVC Gumboot

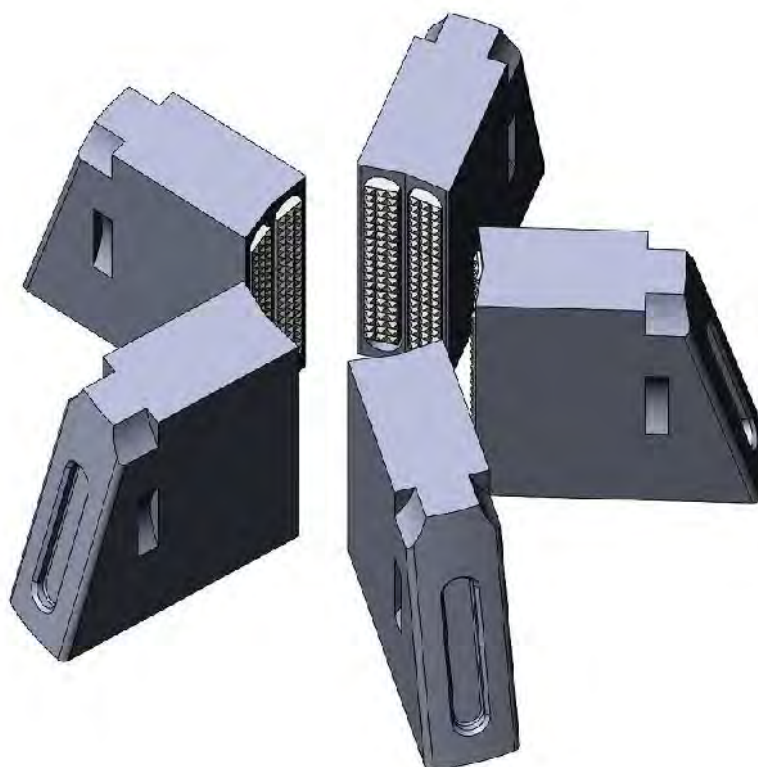
A full metal free heavy-duty knee length PVC gumboot with safety toe protection offering an optional anti penetration ballistic textile midsole and an integrated metaguard made for mining, forest, food processing and agricultural industries. This boot offers hard wearing, excellent grip and sole support.

NEPTUN BOOTS					
P/N	CODE	COLOR	NAME	DESCRIPTION	SIZE
IS00000108	XBGS5SPM	BLACK/GREY	STIMELA XP	S5 + M: Metal Free Toe Cap + Midsole + Metatarsal Protection	4
IS00000109					5
IS00000110					6
IS00000111					7
IS00000112					8
IS00000113					9
IS00000114					10
IS00000115					11
IS00000116					12
IS00000117					13



SAFETY UNIFORM

P/N	DESCRIPTION
IS000010122	3M N95 Particulate Dust Mask
IS000010125	Armor Gloves (small)
IS000010197	Armor Gloves (medium)
IS000010198	Armor Gloves (large)
IS000010126	3M 11329 Clear Safety Glass (Anti Fog)
IS000010127	Face Shield Visor
IS000010134	Virtua Gray Safety Glass
IS000010201	Safety Vest (Reflectorized)



Rod Jaws

ITEM	P/N	DESCRIPTION	QTY.
1	IX-404-800-872-3B	BQ Rod Jaw DE150	1
2	IX-404-800-872-5N	NQ Rod Jaw DE150	1
3	IX-404-800-872-6H	HQ Rod Jaw DE150	1

Chuck Jaws

ITEM	P/N	DESCRIPTION	QTY.
1	IX4048075751	HQ Chuck Jaw DE150	1
2	IX4048075752	NQ Chuck Jaw DE150	1
3	IX4048075753	BQ Chuck Jaw DE150	1
4	IX4048075754	HQ Chuck Jaw DE150 (Over Sized)	1
5	IX4048075755	NQ Chuck Jaw DE150 (Over Sized)	1
6	IX4048075756	BQ Chuck Jaw DE150 (Over Sized)	1

**BORECAM ORIENTATION TOOLS**

ITEM	P/N	DESCRIPTION	Unit
1	IX00010300	Core Orientation Kit (NQ)***	kit/s
2	IX00010301	Core Orientation Kit (HQ)***	kit/s
3	IX00010302	Core Orientation Kit (PQ)***	kit/s
4	IX00010303	NQ Outer Barrel Extension	pc/s
5	IX00010304	HQ Outer Barrel Extension	pc/s
6	IX00010305	PQ Outer Barrel Extension	pc/s
7	IX00010550	NQ Oritool Sleeve Assembly	pc/s
8	IX00010507	HQ Oritool Sleeve Assembly	pc/s
9	IX00010514	PQ Oritool Sleeve Assembly	pc/s

BORECAM SURVEY CAMERA

ITEM	P/N	DESCRIPTION	Unit
1	IX00010306	Pro-shot Kit***	kit/s
2	IX00010307	NQ Acetal Landing Collar Assy	pc/s
3	IX00010308	HQ Acetal Landing Collar Assy	pc/s
4	IX00010522	PQ Acetal Landing Collar Assy	pc/s
5	IX00010309	Aluminum Survey Rods (1.5m)	pc/s
6	IX00010316	Aluminum Survey Rod (1.7m)	pc/s
7	IX00010310	Landing Collar Adaptor 'A' Pin to 'E' Pin and Spear Point	pc/s
8	IX00010549	Spanner for New Gen Oritool	pc/s



AL0918 PISTON PUMP DATA

11.6 BHP Continuous Duty (13.8 BHP Intermittent Duty)

SPECIFICATIONS

Pump Model	AL0918
Configuration	Horizontal Triplex Piston
Number of Pistons	3
Stroke Length	2.25 Inches (57.2mm)
Frame Load Rating	2800 lbs. (1, 270 kg)
Pump Weight	200 lbs. (90.7 kg)
Direction of Rotation	Top of Shaft away from head
Internal Gear Rotation	3.6:1
Intermittent Duty Speed Rating	890 RPM (Jackshaft)
Continuous Duty Speed Rating	750 RPM (Jackshaft)
Ball Valve Max Speed Rating	625 RPM
Minimum Speed	360 RPM
Mechanical Efficiency	85%
Lubrication System	Splash, Gravity Return
Lube Oil Capacity	2.25 Quarts
Lube Oil Type	SAE 30
Maximum Fluid Temperature	140°F (250° Capability)
Minimum Fluid Temperature	0°F (-20° Capability)
Standard Suction Size	1.50 Inch NPT (38.1 mm)
Standard Discharge Size	1.00 Inch NPT (25.4 mm)
Fluid End Material	Cast Iron
Valve Type	Disc Valves/Ball Valves
Hydraulic Motor Mount	SAE C - 4 Bolt with 1.25"-14T

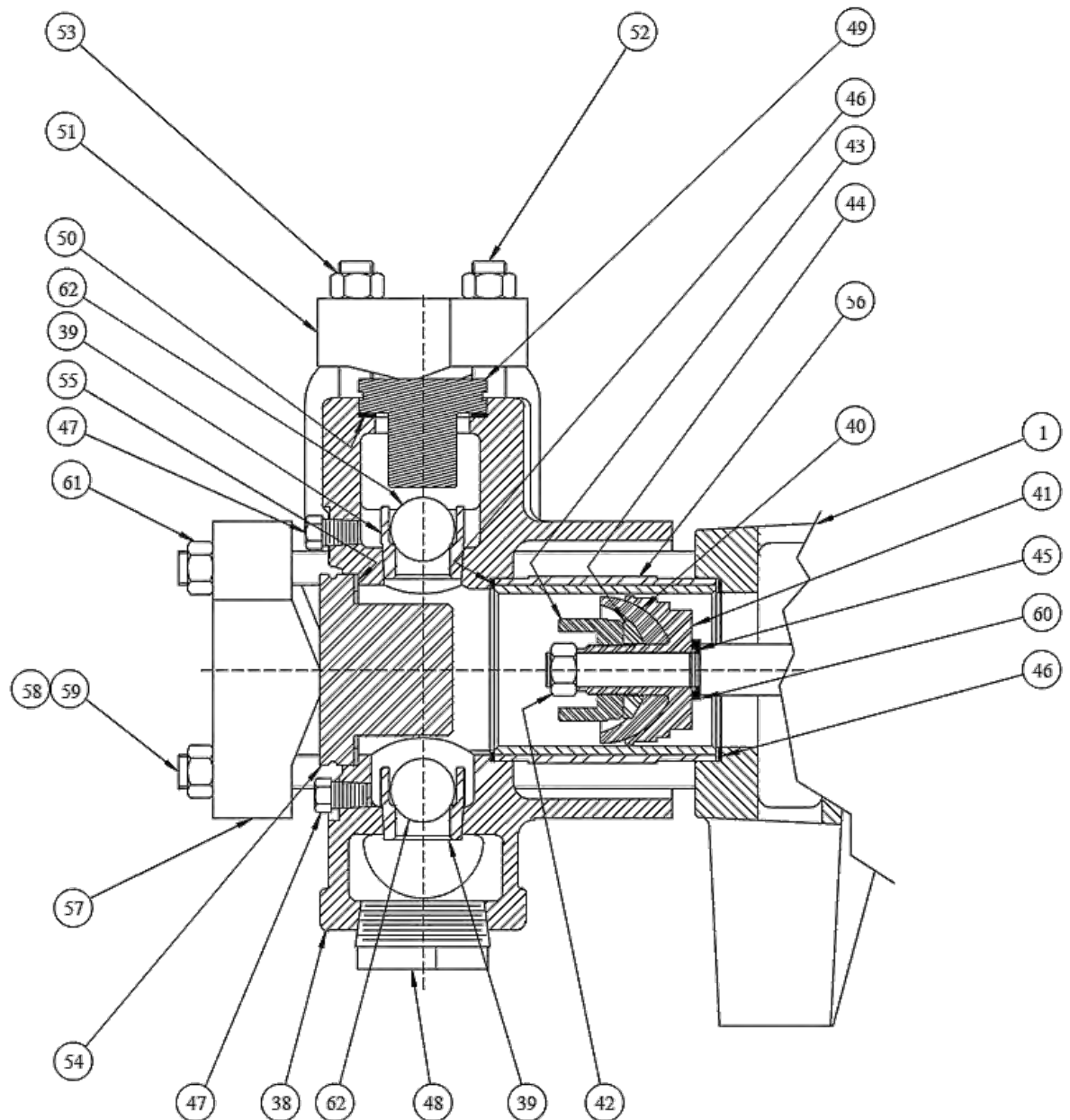
AL0918B Performance Rating

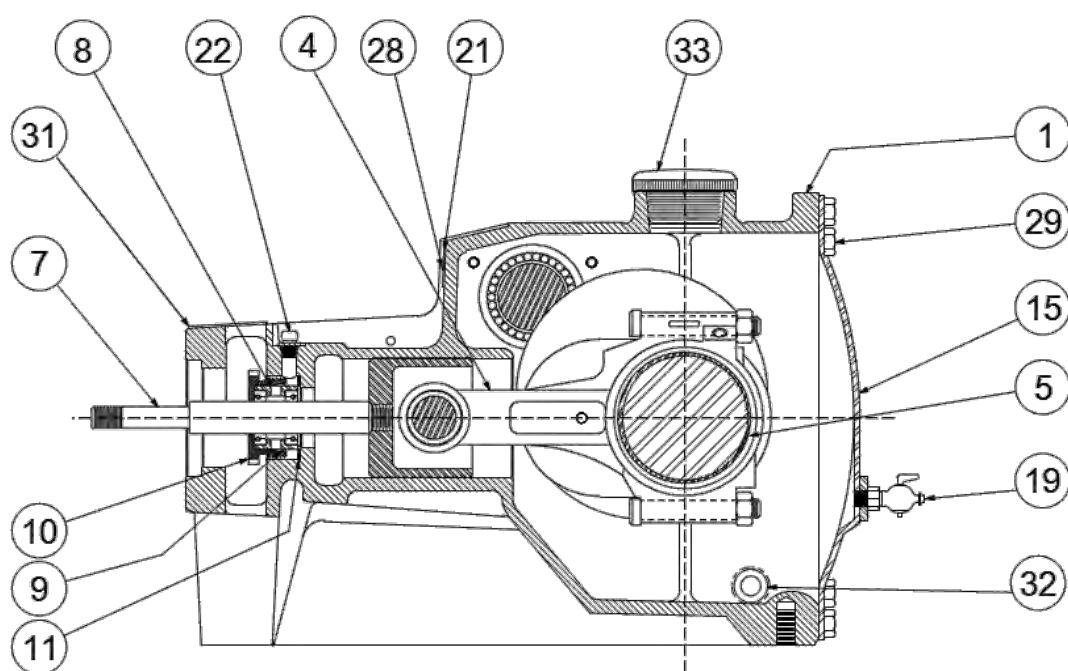
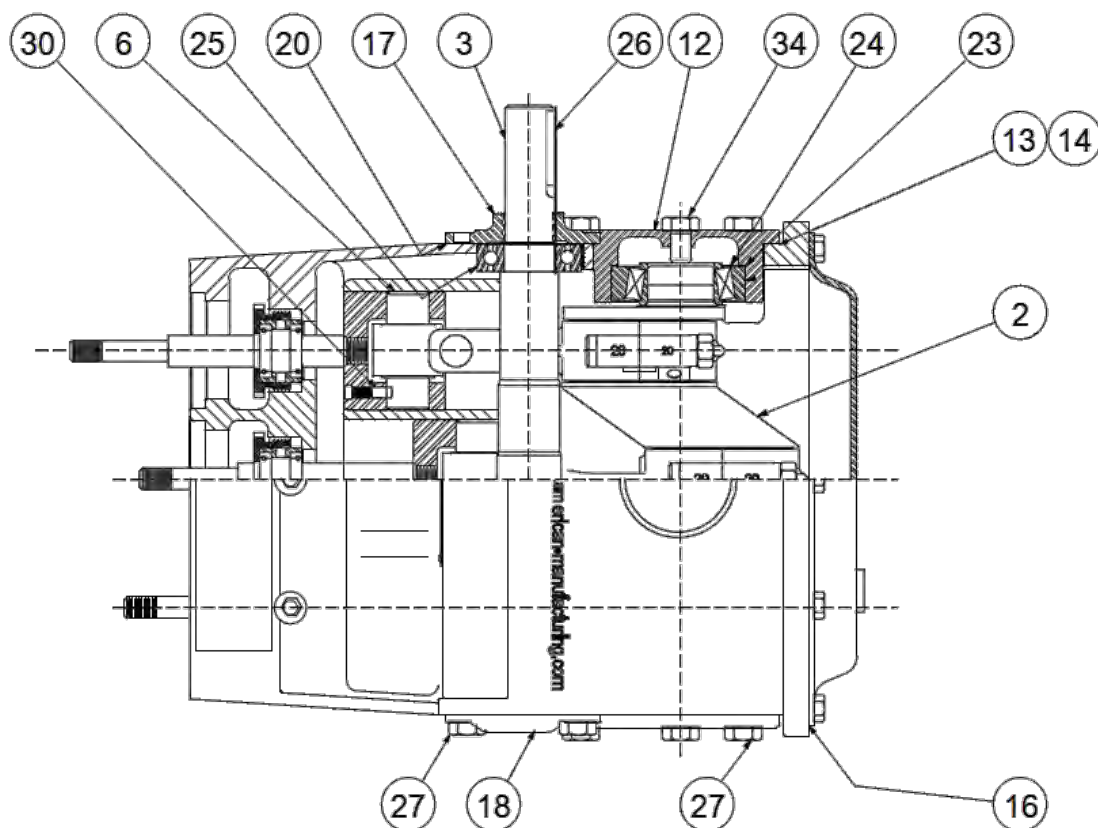
Diameter		Displacement/REV		Maximum Pressure		Pump Capacity @ Input Speed (RPM)									
						350RPM		625RPM		700RPM		750RPM		890RPM	
Inch	mm	Gallon	Liter	PSI	kg/cm ²	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm
2.25	57.2	0.0323	0.122	700	49.2	11.3	43	20.2	76	22.6	86	24.2	92	28.7	109

*Specification subject to change without notice

*Equivalent to FMC 420

AL0918B					
ITEM	INDEXSS P/N	AMC P/N	DESCRIPTION	KG	QTY.
	IX00010600	PPFMC AL0918BCD	AL0918 Pump w/ Ball Valve	220.00	
1	IX00010683	PPFMC 5260537	Power Frame	31.30	1
2	IX00010684	PPFMC 1279071	Crankshaft	13.02	1
3	IX00010685	PPFMC 1265098	Pinion Shaft	2.95	1
4	IX00010686	PPFMC 18710	Connecting Rod Assembly	1.60	3
5	IX00010687	PPFMC P506697	Rod Bearing	0.14	3
6	IX00010688	PPFMC A5006	Wrist Pin	0.25	3
7	IX00010689	PPFMC 1250876	Crosshead Assembly	1.15	3
8	IX00010690	PPFMC 1283601	Seal Holder	0.01	3
9	IX00010691	PPFMC 1283603	Oil Seal, Piston Rod	0.01	6
10	IX00010692	PPFMC 1283600	Seal Retainer Nut	0.04	3
11	IX00010693	PPFMC 1283602	Gasket, Seal Retainer	0.01	3
12	IX00010694	PPFMC 1279064	Bearing Housing, Blind	1.49	2
13	IX00010695	PPFMC 1257594	Shim, Bearing Housing	0.01	5
14	IX00010696	PPFMC A5025	Gasket, Bearing Housing	0.01	2
15	IX00010697	PPFMC 1279063	Back Cover	1.59	1
16	IX00010698	PPFMC 1279065	Gasket, Back Cover	0.05	1
17	IX00010699	PPFMC A5005	Pinion Housing, Drive	0.30	1
18	IX00010700	PPFMC 1225769	Pinion Housing, Blind	0.20	1
19	IX00010646	PPFMC 1187039	Petcock	0.05	1
20	IX00010647	PPFMC A5026	Gasket, Pinion	0.01	2
21	IX00010670	PPFMC 5277981	Nameplate	0.09	1
22	IX00010701	PPFMC 1100759	Lube Fitting	0.01	3
23	IX00010702	PPFMC 1101242	Bearing Cone, Crank	0.36	2
24	IX00010703	PPFMC 1177287	Bearing Cup, Crank	0.20	2
25	IX00010704	PPFMC 1104444	Bearing, Pinion	0.23	2
26	IX00010705	PPFMC 1187577	Key	0.01	1
27	IX00010706	PPFMC 1100068	Cap screw, Pinion Bearing	0.02	12
28	IX00010678	PPFMC 1187413	Screw	0.01	2
29	IX00010707	PPFMC 1106910	Cap Screw, Back Cover	0.02	14
30	IX00010708	PPFMC 1103470	Set Screw	0.01	3
31	IX00010709	PPFMC 1214260	Plate, Inspection	0.64	1
32	IX00010680	PPFMC 1187048	Pipe Plug, Power End	0.07	2
33	IX00010681	PPFMC A5054	Filler Cap or Vent	0.32	1
34	IX00010682	PPFMC 1106980	Screw	0.05	2
38	IX00010601	PPFMC 1255266	Fluid Chamber	17.69	1
39	IX00010602	PPFMC 1225327	Valve Seat	0.05	6
40	IX00010710	PPFMC A3434N	Piston Cup 2 1/4"	0.05	3
41	IX00010611	PPFMC 8495	Piston Holder	0.28	3
42	IX00010612	PPFMC 8309	Hex Nut	0.05	3
43	IX00010613	PPFMC A5016	Nut Retainer	0.14	3
44	IX00010614	PPFMC 1207289	Piston Retainer	0.01	3
45	IX00010615	PPFMC 1101176	O-Ring, Rod Seal	0.01	3
46	IX00010623	PPFMC 1280024	Gasket, Fluid Chamber	0.01	6
47	IX00010711	PPFMC P501267	Plug, Pipe	0.02	6
48	IX00010603	PPFMC 1105105	Plug, Suction	0.39	2
49	IX00010604	PPFMC A5003	Valve Cover	0.28	3
50	IX00010605	PPFMC 1280026	Gasket, Valve Cover	0.01	3
51	IX00010606	PPFMC 1271716	Clamp, Valve Cover	0.48	3
52	IX00010607	PPFMC A5012	Stud, Valve Cover	0.07	6
53	IX00010608	PPFMC 1121511	Hex Nut, Valve/Cylinder Cover	0.01	14
54	IX00010618	PPFMC A5002	Cylinder Cover	0.93	3
55	IX00010619	PPFMC 1280025	Gasket, Cylinder Cover	0.01	3
56	IX00010616	PPFMC 1272060	Cylinder, 2 1/4 ID Ceramic Metal Backed	0.64	3
57	IX00010620	PPFMC 1271415	Clamp, Cylinder	1.04	3
58	IX00010621	PPFMC A5011	Stud, Cylinder Cover	0.20	6
59	IX00010622	PPFMC A5009	Stud	0.15	2
60	IX00010617	PPFMC 1281655	Seal Holder	0.01	3
61	IX00010608	PPFMC 1121511	Hex Nut, Valve/Cylinder Cover	0.01	8
62	IX00001534	PPFMC 1187738	7/8" Stainless Steel Ball	0.04	6
Option:					
1	IX00010345	Valve Seat, Indexss Crowned Type (Small)			





**AW1122 PISTON PUMP DATA**

30 BHP Continuous Duty (36 BHP Intermittent Duty)

SPECIFICATIONS

Pump Model	AW1122
Configuration	Horizontal Triplex Piston
Number of Pistons	3
Stroke Length	2.75 Inches (69.9 mm)
Frame Load Rating	6000 lbs. (2,721 kg)
Pump Weight	425 lbs. (197 kg)
Direction of Rotation	Top of Shaft away from head
Internal Gear Rotation	3.6:1
Intermittent Duty Speed Rating	900 RPM (Jackshaft)
Continuous Duty Speed Rating	750 RPM (Jackshaft)
Ball Valve Max Speed Rating	635 RPM (Jackshaft)
Minimum Speed	360 RPM
Mechanical Efficiency	85%
Lubrication System	Splash, Gravity Return
Lube Oil Capacity	1 Gallon
Lube Oil Type	SAE 30
Maximum Fluid Temperature	140°F (250° Capability)
Minimum Fluid Temperature	0°F (-20° Capability)
Standard Suction Size	2.00 Inch NPT (50.8 mm)
Standard Discharge Size	1.25 Inch NPT (38.1 mm)
Fluid End Material	Ductile Iron
Valve Type	Disc Valves/Ball Valves
Hydraulic Motor Mount	SAE C - 4 Bolt with 1.25"-14T

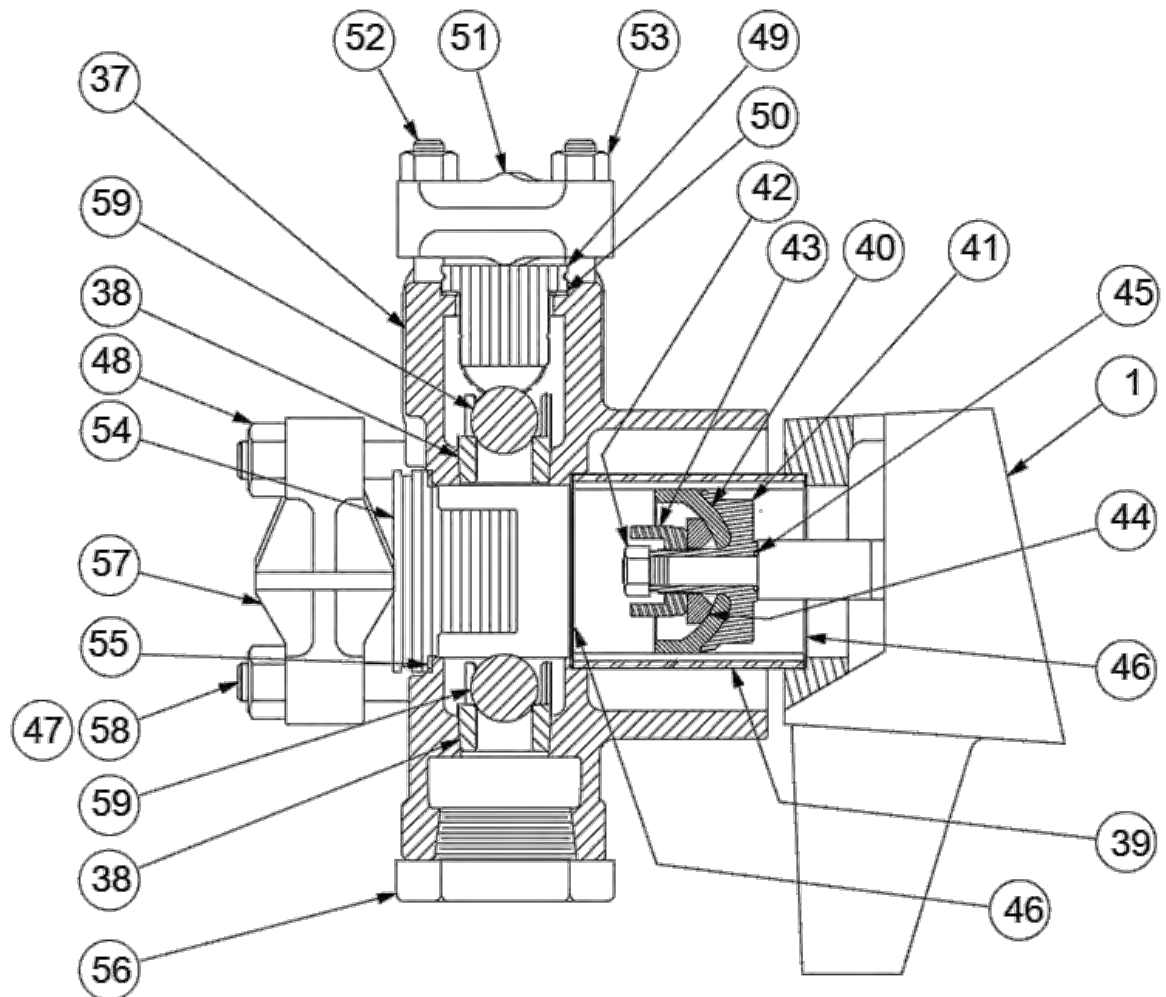
AW1122 Performance Rating

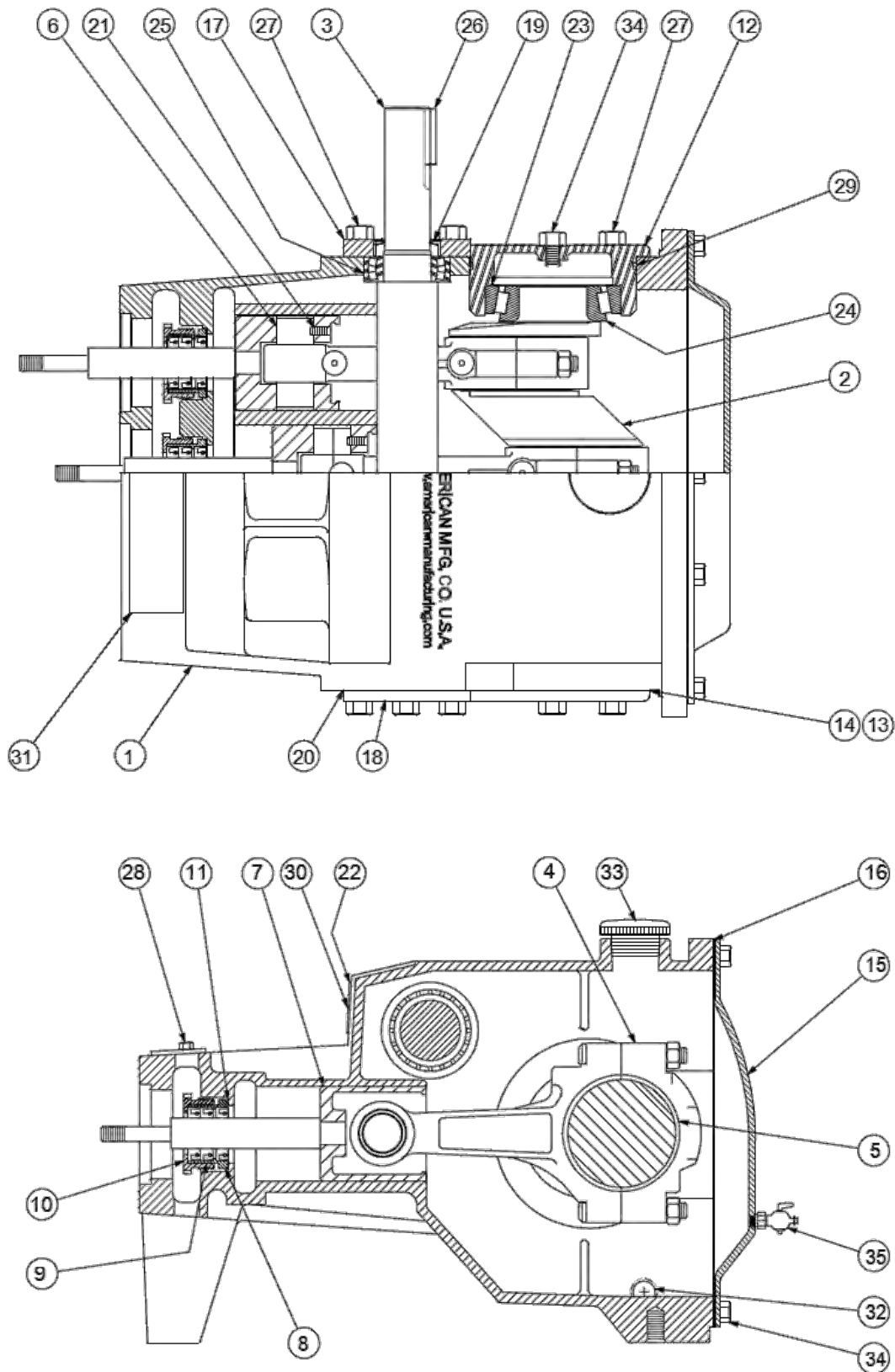
PISTON		Displacement/REV		Maximum Pressure		Pump Capacity @ Input Speed (RPM)									
						350RPM		500RPM		635RPM		750RPM		900RPM	
Inch	mm	Gallon	Liter	PSI	kg/cm2	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm	gpm	lpm
2.75	69.9	0.0589	0.223	1000	70.3	20.6	78	29.5	112	37.4	142	44.2	167	53	201

*Specification subject to change without notice

*Equivalent to FMC 435

AW1122 ITEM	INDEXSS P/N	AMC P/N	DESCRIPTION	CG	QTY.
	IX00010624	PPFMC AW1122BCD-SP	AW1122 Pump w/ Ball Valve, Splined Shaft	450.00	
1	IX00010653	PPFMC 525769B	Power Frame	70.76	1
2	IX00010654	PPFMC 1285094	Crankshaft	27.67	1
3	IX00010655	PPFMC PS11596	Piston Shaft	7.26	1
4	IX00010657	PPFMC 5266814	Connecting Rod Assembly	2.79	3
5	IX00010658	PPFMC PS14968	Rod Bearing	0.45	3
6	IX00010657	PPFMC A91014	Wrist Pin	0.44	3
7	IX00010648	PPFMC 1252939	Crosshead Assembly	2.10	3
8	IX00010658	PPFMC 3268369	Seal Holder	0.04	3
9	IX00010650	PPFMC 1177489	Oil Seal, Piston Rod	0.0	9
10	IX00010649	PPFMC 1266323	Seal Retainer Nut	0.06	3
11	IX00010659	PPFMC 3268418	Gasket, Seal Retainer	0.01	3
12	IX00010660	PPFMC 1248369	Bearing Housing, Blind	3.86	2
13	IX00010661	PPFMC 1253995	Shim, Bearing Housing	0.01	6
14	IX00010662	PPFMC A91675	Gasket, Bearing Housing	0.01	2
15	IX00010663	PPFMC PS68969	Back Cover	4.00	1
16	IX00010664	PPFMC PS08968	Gasket, Back Cover	0.05	1
17	IX00010665	PPFMC 5257338	Piston Housing, Drive	0.91	1
18	IX00010666	PPFMC PS08916	Piston Housing, Blind	0.79	1
19	IX00010667	PPFMC 5257339	Oil Seal, Rotating	0.09	1
20	IX00010668	PPFMC A91674	Gasket, Piston	0.00	2
21	IX00010669	PPFMC 1182564	Screw Set	0.00	3
22	IX00010670	PPFMC 5277981	Name Plate	0.09	1
23	IX00010671	PPFMC 1177472	Bearing Cap, Crank	1.09	3
24	IX00010672	PPFMC 1177474	Bearing Cup, Crank	0.41	2
25	IX00010673	PPFMC PS11746	Bearing, Piston	0.54	2
26	IX00010674	PPFMC 1164349	Key	0.05	1
27	IX00010675	PPFMC 1100064	Cap Screw, Pinion Bearing	0.01	12
28	IX00010676	PPFMC 1100804	Cap Screw, Bearing	0.01	2
29	IX00010677	PPFMC 3226710	O-Ring, Bearing	0.01	2
30	IX00010678	PPFMC 1187413	Screw, Self Tapping	0.01	2
31	IX00010679	PPFMC 5260567	Plate, Inspection	0.27	1
32	IX00010680	PPFMC 1187048	Pipe Plug, Power End	0.07	2
33	IX00010681	PPFMC A5054	Filler Cap, Air Valve	0.32	1
34	IX00010682	PPFMC 1106980	Screw	0.05	20
35	IX00010646	PPFMC 1187039	Percock	0.05	1
37	IX00010626	PPFMC 1284777	Fluid Chamber	30.39	1
38	IX00010627	PPFMC 1284740	Valve Seat	0.51	6
39	IX00010634	PPFMC 1267586	Cylinder, 2 3/4 Ceramic Metal Backed	1.01	3
40	IX00010637	PPFMC A268N	Piston Cup 2 3/4"	0.07	3
41	IX00010635	PPFMC A91663	Piston Holder	0.44	3
42	IX00010612	PPFMC 5909	Hex Nut	0.05	3
43	IX00010613	PPFMC A5016	Munger Nut	0.14	3
44	IX00010638	PPFMC 1216753	Piston Retainer	0.0	3
45	IX00010615	PPFMC 1101176	O-Ring, Rod Seal	0.01	3
46	IX00010636	PPFMC 1279676	Gasket, Fluid Cylinder	0.01	6
47	IX00010642	PPFMC A91672	Seal, Fluid Cylinder	0.29	2
48	IX00010639	PPFMC 1121513	Hex Nut	0.02	6
49	IX00010628	PPFMC 1285113	Valve Cover	0.47	3
50	IX00010632	PPFMC 1279675	Gasket, Valve Cover	0.01	3
51	IX00010630	PPFMC A80391	Clamp, Valve Cover	0.42	3
52	IX00010629	PPFMC A5076	Seal, Valve Cover	0.05	6
53	IX00010608	PPFMC 1121511	Hex Nut, Valve Cover	0.01	6
54	IX00010644	PPFMC 1285112	Cylinder Cover	1.36	3
55	IX00010640	PPFMC 1279674	Gasket, Cylinder Cover	0.01	3
56	IX00010631	PPFMC 1106121	Suction Plug	0.23	3
57	IX00010643	PPFMC A80392	Clamp, Cylinder	1.27	3
58	IX00010641	PPFMC 1279602	Seal, Cylinder Cover	0.37	6
59	IX00010669	PPFMC 1101419	Ball, Valve (Steel Ball 1 1/8")	0.14	6
Option:					
1	IX00010346	Valve Seat, Indexss Crowned Type (Big)			



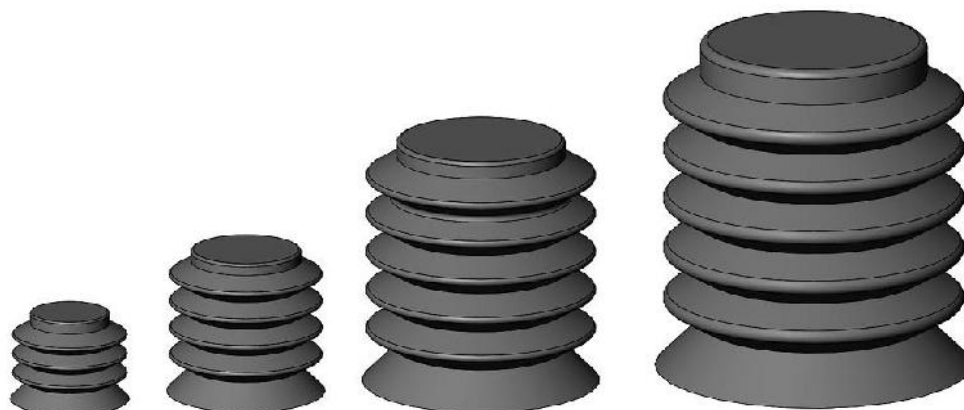


*Power End Components

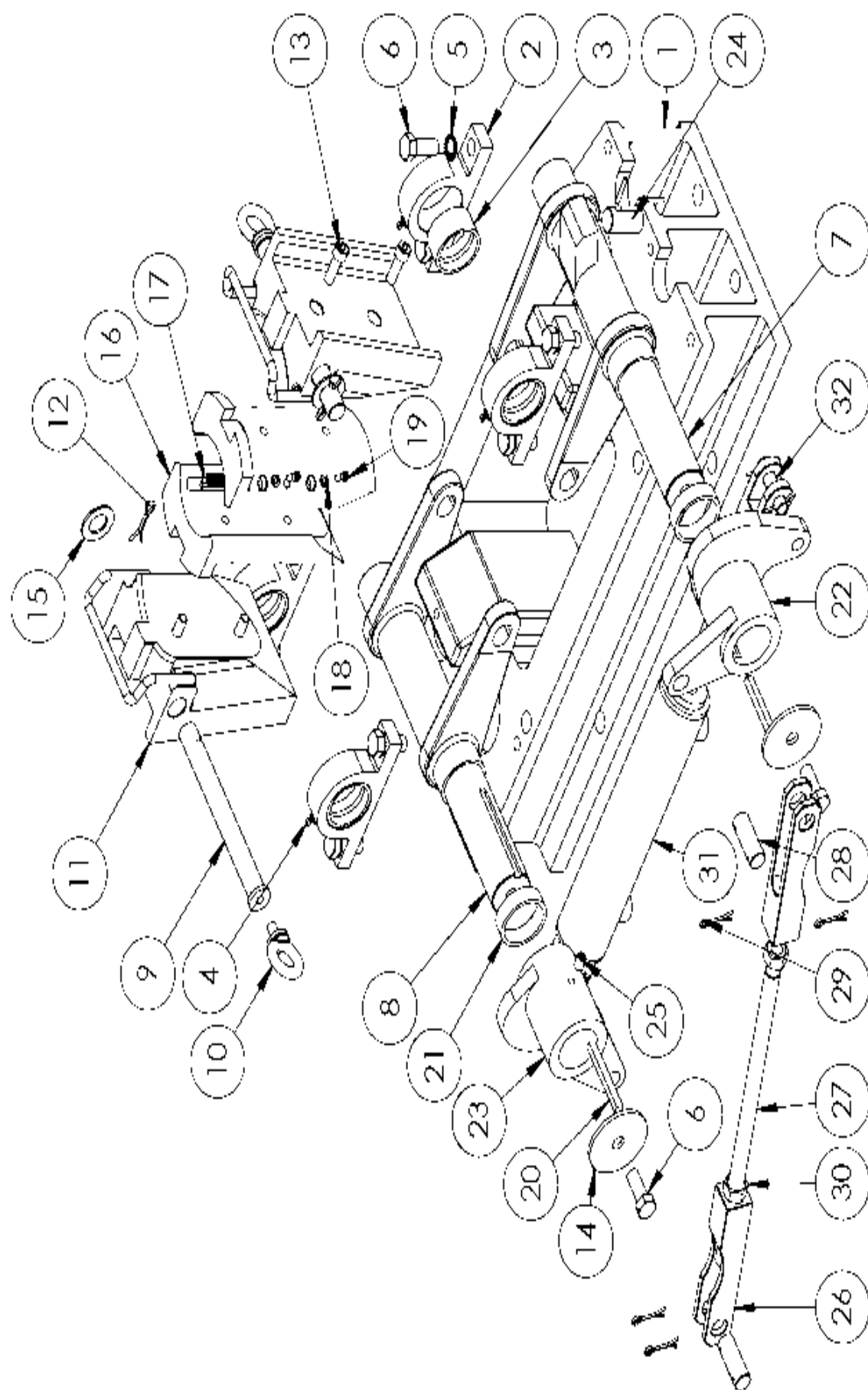


POWER SPRAYER		
	P/N	DESCRIPTION
	IX00010181	Power Sprayer (LS-557)
	IX00010182	V Packing Seat Brass (Power sprayer) (556-032)
	IX00010183	Grease Ring (power sprayer) (556-034)
	IX00010184	Crank Shaft
	IX00010185	Valve Assembly (555-4109)
	IX00010186	Connecting Rod
	IX00010187	Plunger Rod
	IX00010188	Crank Shaft Seal
	IX00010189	Plunger Seal (100-030)
	IX00010190	V-Packing (Power Sprayer)
	IX00010191	V-Packing Seat (Power Sprayer) (556-036)
	IX00010215	Key (LU-090400)
	IX00010216	Grease Cup seat (556-038)
	IX00010317	Bearing, C' Shaft
	IX00010318	Pinion Bearing, Cap
	IX00010319	Washer, Plunger Rod Seal
	IX00010320	Sleeve, Plunger Rod Seal

DRILLING FLUID				
	P/N	DESCRIPTION	QTY. PER PALLET	UNIT
	IX00010100	Indexss-HY Gel	40	25 kgs
	IX00010101	Indexss-Polymer	32	25 kgs
	IX00010102	Indexss- Hi Viz	32	15 kgs
	IX00010103	Indexss-Trol	32	15 kgs
	IX00010104	Indexss-LC Stop	48	8 kgs
	IX00010105	Indexss-Foam	32	25 lts
	IX00010106	Indexss-Tube Lube	32	20 kgs
	IX00010107	Indexss-Super Tacky	48	10 kgs
	IX00010108	Indexss-Thread Grease	48	10 kgs
	IX00010109	Indexss-Slick (Lubricant)	32	25 lts
	IX00010111	Indexss-Det	32	25 lts
	IX00010112	Indexss-Pac R	32	15 kgs
	IX00010113	Soda Ash	20	50 kgs
	IX00010115	Potassium Chloride (KCL)	40	25 kgs
	IX00010116	Indexss-Kwikseal	20	40 lbs
	IX00010117	Foam A and B	576	1 kg
	IX00010118	Indexss-Pac L	32	15 kgs
	IX00010119	Hammer Oil	32	20 lts
	IX00010242	INDEXSS Tiger Surecore	32	15 kgs
	IX00010243	INDEXSS Tiger Coal Drill	32	18lts
	IX00010244	INDEXSS System 1	40	25 kgs



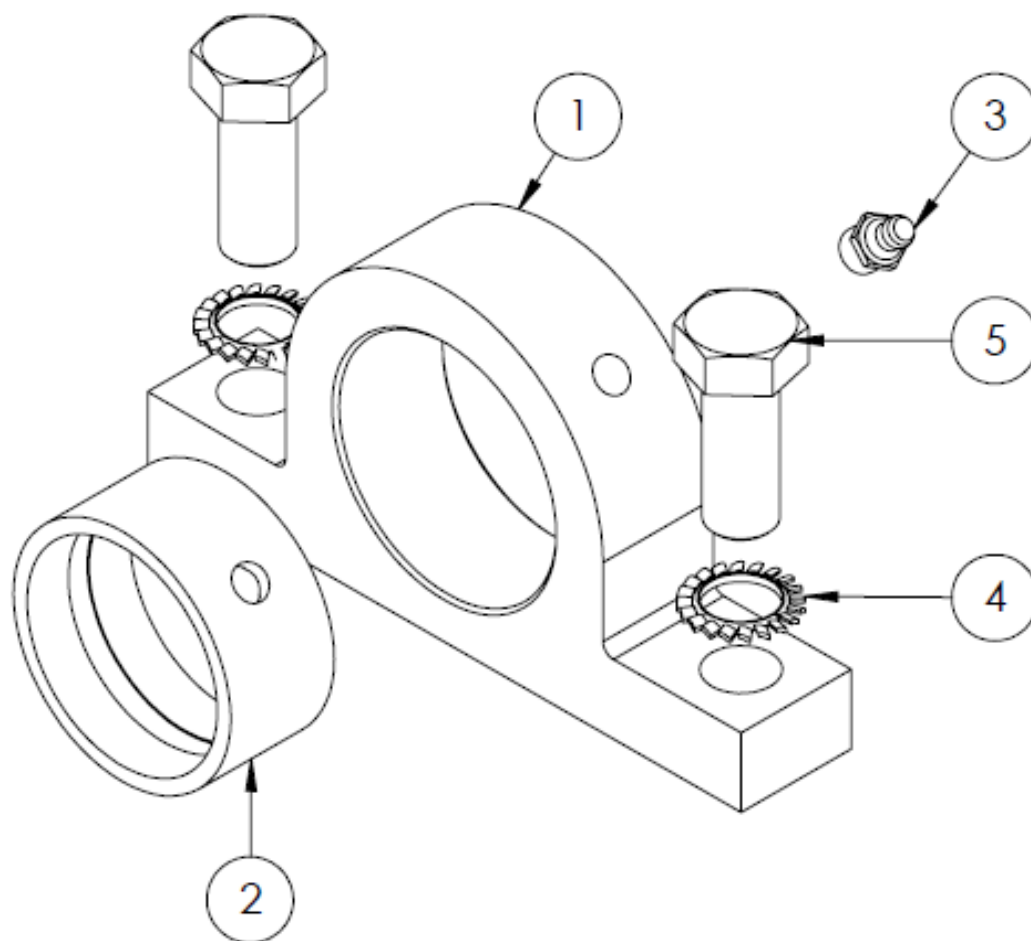
RUBBER CEMENTING PLUG		
ITEM	P/N	DESCRIPTION
1	IX00010214	PWT Standard Top Cementing Plug for ID 127mm Casing
2	IX00010120	Rubber Cementing Plug Size PQ
3	IX00010121	Rubber Cementing Plug Size HQ
4	IX00010122	Rubber Cementing Plug Size NQ
4	IX00010123	Rubber Cementing Plug Size BQ



MSS FOOT CLAMP ASSEMBLY				
ITEM	INDEXSS P/N	MSS P/N	DESCRIPTION	QTY.
	IX00020201	MSS-FC-SA0	Complete Foot Clamp Assembly	
1	IX00020202	DFC-1	Foot Clamp Base	1
2	IX00020203	DFC11	Bush Housing	4
3	IX00020204	DFC20	Wear Bush	4
4	IX00020205	DFC-19	Grease Nipple M10 x 1	4
5	IX00020206	DFC-30	External Tooth Lock Washer M16	8
6	IX00020207	DFC-24	Hex Bolt M16 x 40 (8.8)	10
7	IX00020208	DFC-2	Left Link	1
8	IX00020209	DFC-3	Right Link	1
9	IX00020210	DFC-15	Jaw Holder Hinge Pin	2
10	IX00020211	DFC-25	Eye Bolt M12	2
11	IX00020212	DFC-6	Jaw Holder	2
12	IX00020213	DFC-31	Cotter Pin Ø4 x 35	2
13	IX00020214	DFC-26	SHCS M12 x 45	4
14	IX00020215	DFC-23	Washer Ø83 x 5	2
15	IX00020216	DFC-22	Washer Ø46 x 3	2
16			Jaw Set	2
17	IX00020217	DFC-8NS	Jaw Teeth	4
18	IX00020218	DFC-9	Spring Washer M6	8
19	IX00020219	DFC-10	SHCS M6 x 16	8
20	IX00020220	DFC-21	Keyway 10 x 8 x 90	2
21	IX00020221	DFC-12	Spacer Ø65 x 18	2
22	IX00020222	DFC-4	Left Coupling	1
23	IX00020223	DFC-5	Right Coupling	1
24	IX00020224	DFC-16	Stopper Pin	1
25	IX00020225	DFC-29	Set Screw M8 x 12	2
26	IX00020226	DFC-13	Rod End M20	2
27	IX00020227	DFC-14	Link Rod M20	1
28	IX00020228	DFC-17	Rod Hinge Pin Ø22 x 58	2
29	IX00020213	DFC-32	Cotter Pin Ø4 x 35	8
30	IX00020229	DFC-28	Hex Nut M20	2
31	IX00020230	DFC-27	Hydraulic Ram (3500PSI)	1
32	IX00020231	DFC-18	Ram Hinge Pin Ø16 x 65	2

Jaws are sold separately.

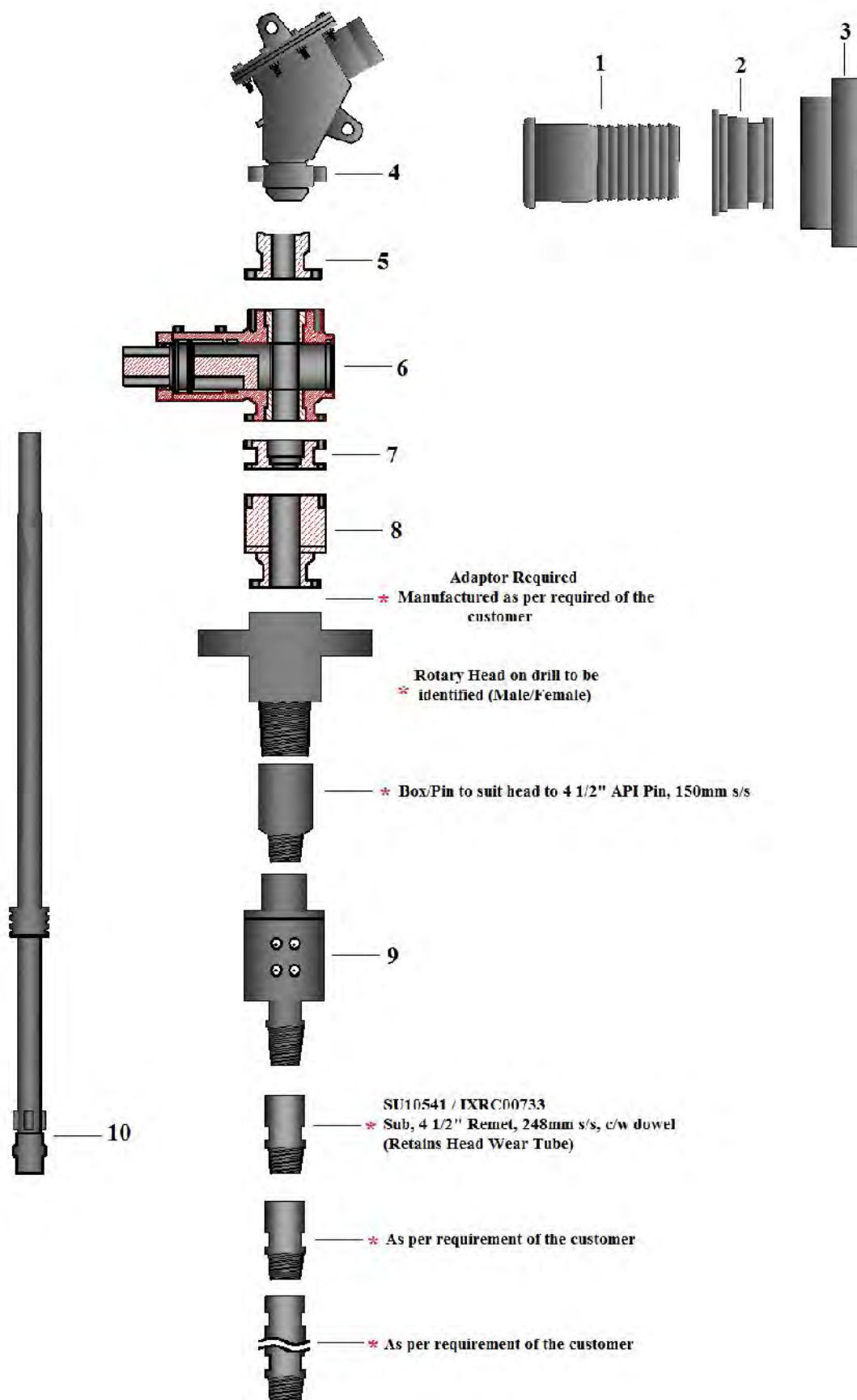
MSS FOOT CLAMP ASSEMBLY				
ITEM	INDEXSS P/N	MSS P/N	DESCRIPTION	QTY.
*16a	IX00020232	MSS-FC-SA4-BQ	BQ Jaw Set	2
*16b	IX00020233	MSS-FC-SA4-NQ	NQ Jaw Set	2
*16c	IX00020234	MSS-FC-SA4-HQ	HQ Jaw Set	2
*16d	IX00020235	MSS-FC-SA4-PQ	PQ Jaw Set	2



LINK SUPPORT ASSEMBLY

ITEM	INDEXSS P/N	MSS P/N	DESCRIPTION	QTY.
	IX00020236	FC-SA1	Link Support Assembly	
1	IX00020203	DFC11	Bush Housing	1
2	IX00020204	DFC20	Wear Bush	1
3	IX00020205	DFC-19	Grease Nipple M10 x 1	1
4	IX00020206	DFC-30	External Tooth Lock Washer M16	2
5	IX00020207	DFC-24	Hex Bolt M16 x 40 (8.8)	2

VANRUTH			
ITEM	PART NO.	DESCRIPTION	QTY.
1	IXRV000001	Van Ruth CW Plug NQ	1
2	IXRV000002	Van Ruth CW Plug HQ	1
3	IXRV000003	Van Ruth CWBP Plug NQ	1
4	IXRV000004	Van Ruth CWBP Plug HQ	1
5	IXRV000005	van ruth CWBP Plug PQ	1
6	IXRV000006	Van Ruth HD Plug NQ	1
7	IXRV000007	Van Ruth HD Plug HQ	1



HARLSAN

ITEM	INDEX SSP/N	HARLSAN P/N	DESCRIPTION
1	IX00010208	HT10042	Hose Tail, 3" Barb, Long, 220mm o/a, Heat Treated
2	IXRC00700	MA10153	Mach, 4 1/2" ACME, Diffuser
3	IXRC00701	MA10158	Mach, Knock on Nut, 4 1/2" ACME

WEAR BEND SPARE PARTS

ITEM	INDEX SSP/N	HARLSAN P/N	DESCRIPTION
4.1	IXRC00702	WB10037	Wear Bend, Heavy Duty, Tungsten/Bis, 4 1/2" ACME STD
4.2	IXRC00703	WB10003	Wear Bend, Heavy Duty, Tungsten, Outlet Sleeve
4.3	IXRC00704	MA10746	Mach, Wear Bend, Spud, Recessed, 4 1/2" ACME
4.4	IXRC00705	HT10029	Hose Tail, Weld on Spud, 4 1/2" ACME
4.5	IXRC00706	WB10022	Wear Bend, Heavy Duty, Bisalloy Block, Gasket
4.6	IXRC00707	WB10034	Wear Bend, Heavy Duty, Bisalloy, Lid
4.7	IXRC00708	WB10028	Wear Bend, Bisalloy Block, 150 x 100 x 50mm, Hardfaced
5	IXRC00709	MA10950	Mach, Adaptor, Blowdown Flange to 4 1/2" ACME

BLOWDOWN AND SPARE PARTS

ITEM	INDEX SSP/N	HARLSAN P/N	DESCRIPTION
6.1	IXRC00710	HB10082	Hyd. Blow Down, System, Blow Up/Down, 57mm Seal Type, MK2
6.2	IXRC00711	HB10068	Hyd. Blow Down, Piston, Blow Up/Down, MK2
6.3	IXRC00712	HB10023	Hyd. Blow Down, End Cap
6.4	IXRC00713	HB10047	Hyd. Blow Down, Wear Sleeve, Set, Seal Type, 57mm
6.5	IXRC00714	HB10029	Hyd. Blow Down, Bolt/Grub Screw Kit
6.6	IXRC00715	HB10044	Hyd. Blow Down, Seal Kit, MK 2

SEAL PLATE AND SPARE KIT

ITEM	INDEX SSP/N	HARLSAN P/N	DESCRIPTION
7.1	IXRC00716	SW10194	Swivel, Seal Plate, 57mm, c/w URO Seals
7.2	IXRC00717	SW10210	Swivel, Seal Plate, 57mm, Seal Kit, URO

TOP BEARING SWIVEL AND SPARE PARTS

ITEM	INDEX SSP/N	HARLSAN P/N	DESCRIPTION
8.1	IXRC00718	SW10012	Swivel, Top Bearing
8.2	IXRC00719	SW10021	Swivel, Top Bearing, Shaft
8.3	IXRC00720	SW10013	Swivel, Top Bearing, Body
8.4	IXRC00721	SW10014	Swivel, Top Bearing/Inlet, Nut
8.5	IXRC00722	SW10020	Swivel, Top Bearing, Ring
8.6	IXRC00723	SW10044	Swivel, Top Bearing, Bearing and O-ring Kit

BOTTOM INLET SWIVEL AND SPARE PARTS

ITEM	INDEX SSP/N	HARLSAN P/N	DESCRIPTION
9.1	IXRC00724	SW10033	Swivel Bottom Inlet, RRE, 4 1/2" Remet, NPT
9.2	IXRC00725	SW10032	Swivel, Bottom Inlet, RRE, 4 1/2" Remet, Shaft
9.3	IXRC00726	SW10060	Swivel, Bottom Inlet, RRE, 4 1/2" Remet, Plate, Bolt on
9.4	IXRC00727	SW10036	Swivel, Bottom Inlet, RRE, 4 1/2" Remet, Spacer
9.5	IXRC00728	SW10035	Swivel Bottom Inlet, RRE, 4 1/2" Remet, Nut
9.6	IXRC00729	SW10042	Swivel Bottom Inlet, RRE, 4 1/2" Remet, Bearing Kit
9.7	IX00010209	SW10203	Swivel Bottom Inlet, RRE, 4 1/2" Remet, Quad Kit, Std
10	*	HW10270	Head Wear Tube, Nominal, Heat Treated
11	IXRC00731	MA10416	Mach, Deflector Box, End , 4 1/2" ACME
12	IXRC00732	MA10415	Mach, Deflector Box, Insert Long, 105mm OA

I-SEALS

ITEM	INDEX SSP/N	HARLSAN P/N	DESCRIPTION
1	IXRCI422013	MS10093	4" I-SEAL
2	IXRC422142	MS10077	4-1/2 I-SEAL(HARLSAN)

*Head Tube part number would change per order to be customer specific.

Harlsan Parts			
ITEM	INDEXSS P/N	HARLSAN P/N	DESCRIPTION
1	IXRC000001H	MA10532	Mach, Knock On Nut, 2 1/8" ACME
2	IXRC000002H	MA10921	Mach, 2 1/8" ACME, Diffuser
3	IXRC000003H	HT10017	Hose Tail, 2" Barb, 2 1/8" ACME
4	IXRC000004H	MP10050	Manufactured Part, 2" Sample Hose, 20m Roll
5	IXRC000005H	MP10051	Manufactured Part, 2" Sample Hose Sock
6	IXRC000006H	MP10063	Manufactured Part, 2", Dixon Boss, 4 Bolt Clamp, B29
7	IXRC000007H	WB10046	Wear Bend, Air Core, 2 1/8" Acme
8	IXRC000008H	SW10256	Swivel, Adaptor to Deflector, Flange, 2 1/8" ACME
9	IXRC000009H	SW10199	Swivel, Seal Plate, 48mm, c/w URO Seals
10	IXRC000010H	SW10052	Swivel, Top Inlet, 48mm
11	IXRC000011H	SU11868	Sub, 3 1/2" Rem/Har Box to 75 Rem Pin, 150mm STS, c/w Dowel(RETAINS HEAD WEAR TUBE)
12	IXRC000012H	HW10270	Head Wear Tube, Nominal, Heat Treated
13	IXRC000013H	SU10688	Sub, 75 West Rod, 90mm STS, c/w Inner, URO
14	IXRC000014H	IT10380	Inner Tube, Sub, 75 West Rod, URO, 90mm STS
15	IXRC000015H	RI10110	RC Rod w/ Inner Tube, 3m, 75, West Rod, URO
16	IXRC000016H	IT10340	Inner Tube, RC Rod, 3m, 75 West Rod, URO
17	IXRC000017H	IT10341	Inner Tube, Bit, 3", 75 West Rod, URO
18	IXRC000018H	BA10024	Air Core Bit, 3 Blade, 75 Remet, 85mm
19	IXRC000019H	SU11082	Sub, Bit, 75 West Rod URO to NQ, 100mm STS, c/w Inner(ADAPTOR SUB REQUIRED TO RUN VACUUM BIT)
20	IXRC000020H	BA10039	Vacuum Bit, 3 Blade, 3"
21	IXRC000021H	MS10107	Seal, 3", 75/78 West Rod, 13mm Wide, URO
22	IXRC000022H	MG10010	Circlip, Internal, 57 mm
23	IXRC000023H	MA10212	Mach, Blow Up Cap, 75 Remet / West Rod
24	IXRC000024H	SU10851	Sub, Blow Down, 75 West Rod, 90mm STS, URO
25	IXRC000032H	SW10278	Swivel, Seal Plate, 57mm, 180mm Flange, c/w URO Seals
26	IXRC000033H	SW10277	Swivel, Top Inlet, 57mm
27	IXRC000034H	SW10317	Swivel, Adaptor Plate, Head Shaft to Swiv, Indodrill PNG EDM
28	IXRC000035H	HW10309	Head Wear Tube, Indodrill, EDM, DS Type
29	IXRC000036H	HT10048	HoseTail, Weld On Spud, DS Style
30	IXRC000037H	SW10284	Swivel Top Inlet, Bearing and O-ring Kit, 57mm
31	IXRC000038H	SU11884	4 1/2" Remet, Check Valve, 306mm s/s, c/w Inner E URO

*Other Harlsan Parts are available upon request.

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