

RECOVERY TOOLS 6



CASING CUTTER 6.1

RECOVERY TAP 6.2

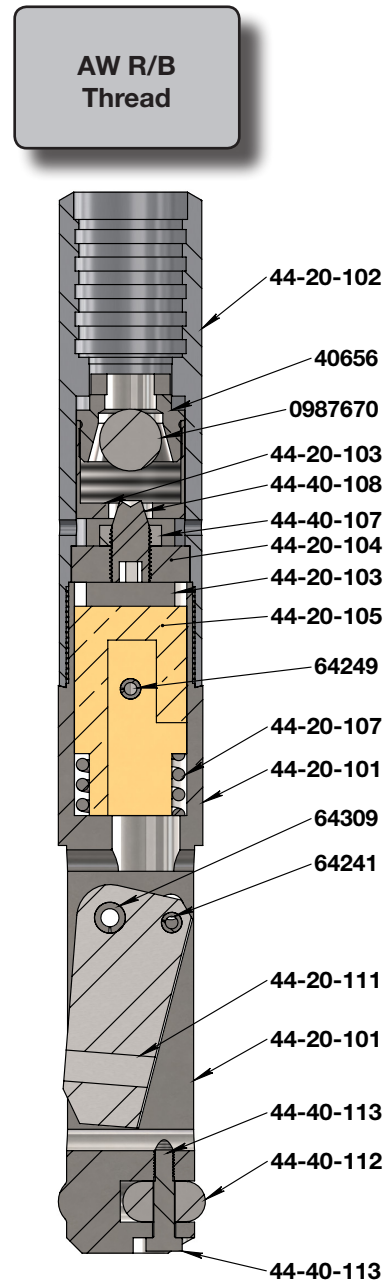
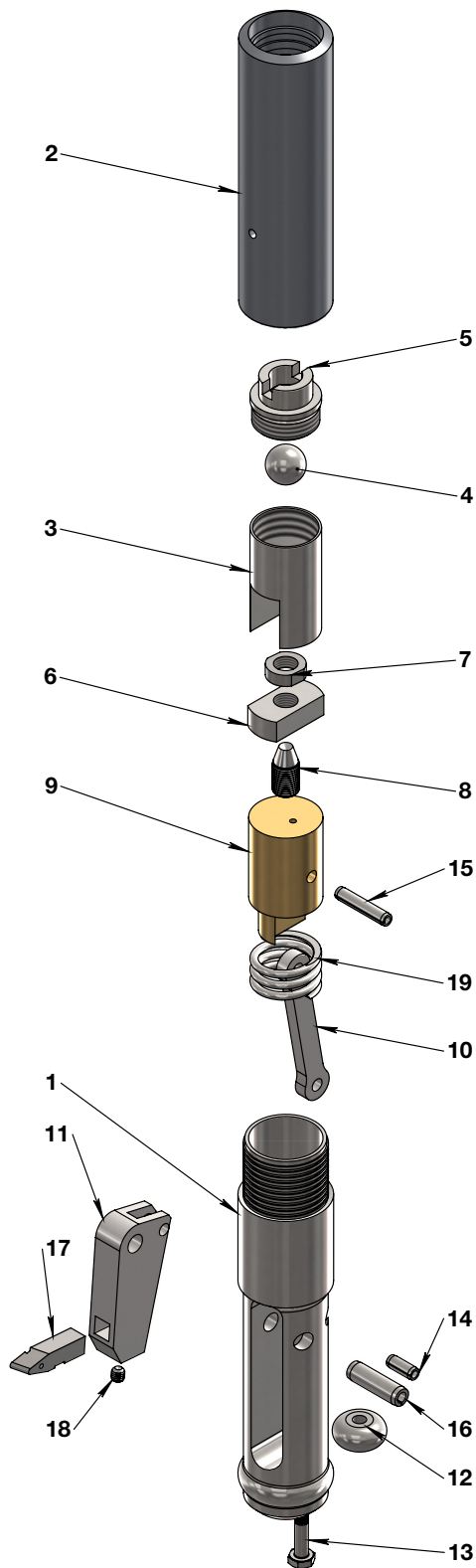
RELEASING SPEAR 6.3

PULLING DOG 6.4

X-TRACTOR 6.5



6 RECOVERY TOOLS



Cutter knife available in 2 options:

- 44-40-117 is standard carbide cutter. Will cut longer but more fragile
- 44-40-117-H is high speed steel cutter. Will wear faster but more robust



Casing Cutter Assembly, AW CSG / BQ Rod

Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-19	44-20-100	Casing Cutter Assembly, AW CSG / BQ Rod	5.827

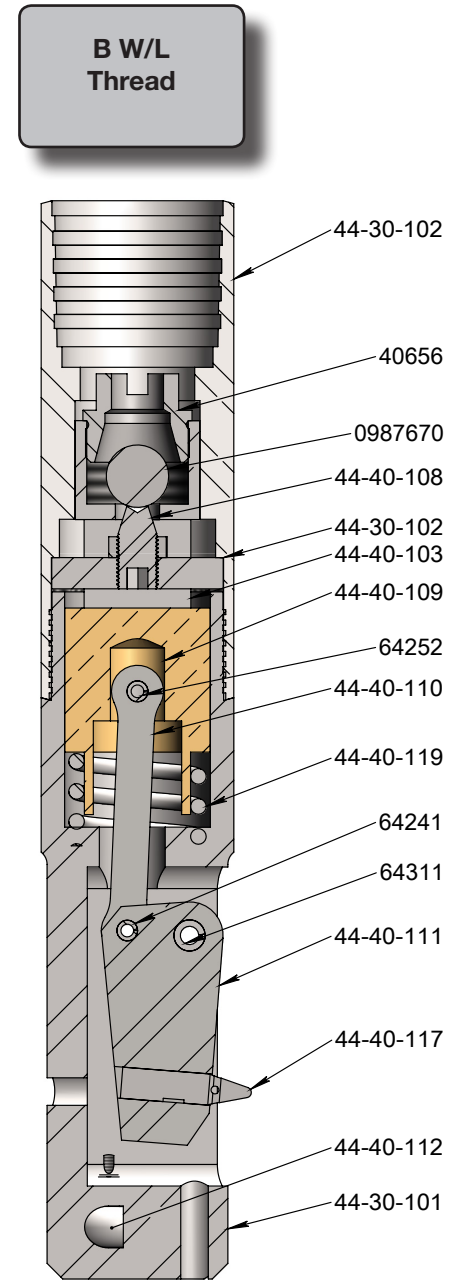
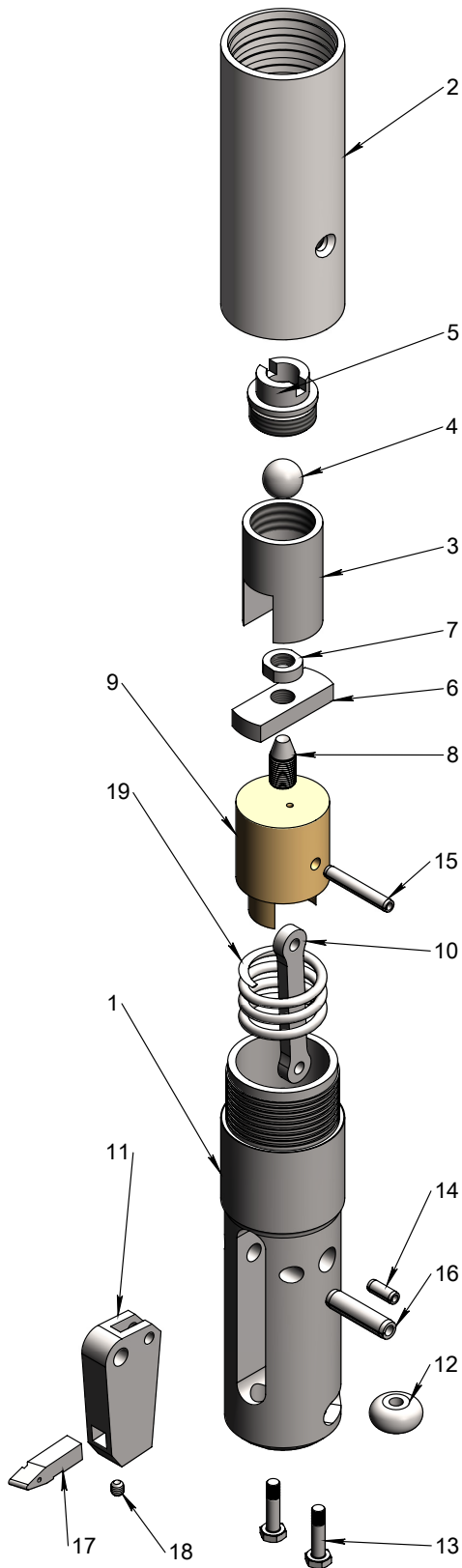
Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	44-20-101	Cutter Body, AW Csg	1	2.239
2	44-20-102	Valve Body, AW Csg	1	1.51
3	44-20-103	Valve, AW CSG	1	0.237
4	987670	3/4" Chrome Steel Ball	1	0.063
5	40656	Check Valve Body, BQ	1	0.16
6	44-20-104	Stopper Base	1	0.107
7	44-40-107	Stopper Lock Nut	1	0.019
8	44-40-108	Stopper Screw	1	0.039
9	44-20-105	Piston	1	0.76
10	44-40-110	Piston Rod	1	0.108
11	44-20-111	Tool Bit Holder, AW CSG	1	0.459
12	44-40-112	Roller Stabilizer	1	0.081
13	44-40-113	Roller Screw	1	0.0218
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0051
15	64249	1/4" x 1-1/4" Plain Finish Steel Slotted Spring Pin	1	0.0104
16	64309	3/8" x 1-1/4" Plain Finish Steel Slotted Spring Pin	1	0.0246
17	44-40-117	Cutter Knife (Carbide)	1	0.05
18	25326	1/4-20 x 1/4" Hex Drive Cup Point Steel Socket Set Screw	1	0.002
19	44-20-107	Compression Spring	1	0.057

Repair Kit: P/N 44-20-200

Item #	Part #	Description	Qty	Weight (lbs)
12	44-40-112	Roller Stabilizer	2	0.081
13	44-40-113	Roller Screw	2	0.0218
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0051
15	64249	1/4" x 1-1/4" Plain Finish Steel Slotted Spring Pin	1	0.0104
16	64309	3/8" x 1-1/4" Plain Finish Steel Slotted Spring Pin	1	0.0246
17	44-40-117	Cutter Knife (Carbide)	1	0.05
18	25326	1/4-20 x 1/4" Hex Drive Cup Point Steel Socket Set Screw	1	0.002

6 RECOVERY TOOLS



Cutter knife available in 2 options:

- 44-40-117 is standard carbide cutter. Will cut longer but more fragile
- 44-40-117-H is high speed steel cutter. Will wear faster but more robust



Casing Cutter Assembly, BW CSG / NQ Rod

Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-19	44-30-100	Casing Cutter Assembly, BW CSG / NQ Rod	10.668

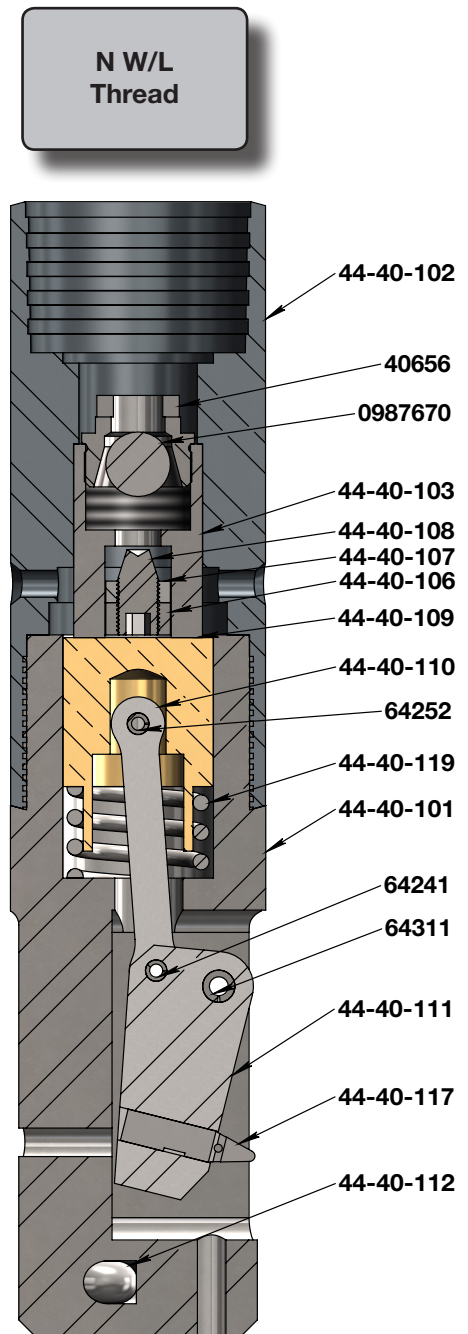
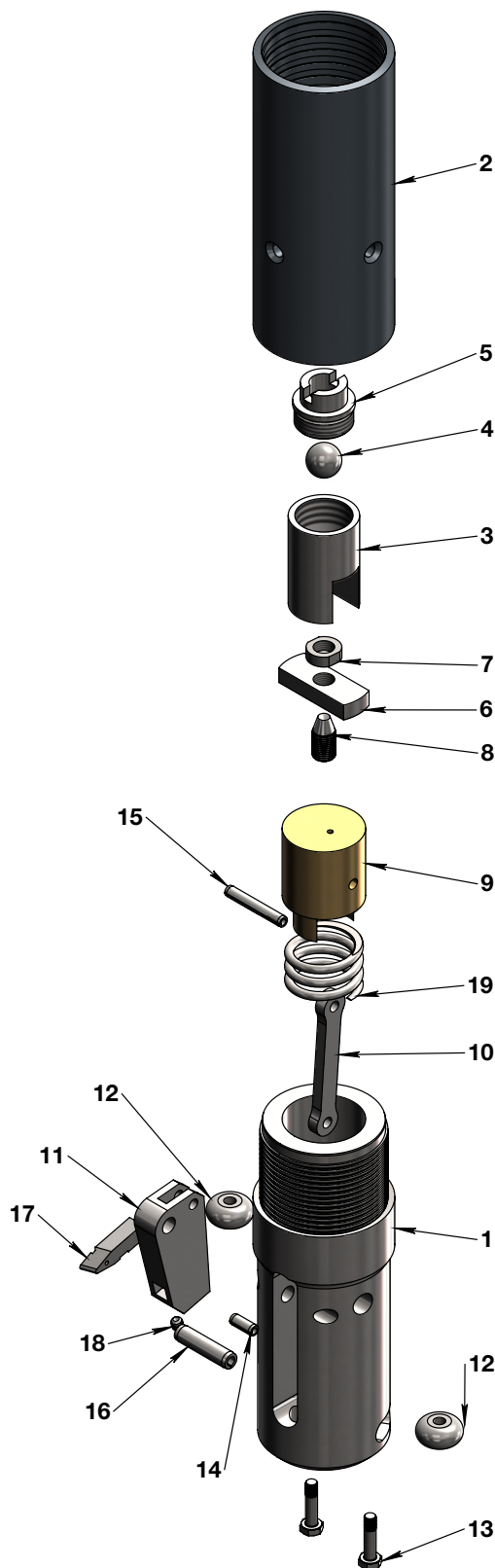
Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	44-30-101	Cutter Body, BW	1	5.088
2	44-30-102	Valve Body, BW	1	2.522
3	44-40-103	Valve	1	0.447
4	987670	3/4" Chrome Steel Ball	1	0.063
5	40656	Check Valve Body, BQ	1	0.16
6	44-40-106	Stopper Base	1	0.143
7	44-40-107	Stopper Lock Nut	1	0.019
8	44-40-108	Stopper Screw	1	0.039
9	44-40-109	Piston	1	1.155
10	44-40-110	Piston Rod	1	0.108
11	44-40-111	Tool Bit Holder	1	0.505
12	44-40-112	Roller Stabilizer	2	0.081
13	44-40-113	Roller Screw	2	0.0218
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0051
15	64252	1/4" x 1-5/8" Plain Finish Steel Slotted Spring Pin	1	0.0136
16	64311	3/8" x 1-1/2" Plain Finish Steel Slotted Spring Pin	1	0.0296
17	44-40-117	Cutter Knife (Carbide)	1	0.05
18	25326	1/4-20 x 1/4" Hex Drive Cup Point Alloy Steel Socket Set Screw	1	0.002
19	44-40-119	Compression Spring	1	0.112

Repair Kit: P/N 44-30-200

Item #	Part #	Description	Qty	Weight (lbs)
12	44-40-112	Roller Stabilizer	2	0.081
13	44-40-113	Roller Screw	2	0.0218
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0051
15	64252	1/4" x 1-5/8" Plain Finish Steel Slotted Spring Pin	1	0.0104
16	64311	3/8" x 1-1/2" Plain Finish Steel Slotted Spring Pin	1	0.0246
17	44-40-117	Cutter Knife (Carbide)	1	0.05
18	25326	1/4-20 x 1/4" Hex Drive Cup Point Steel Socket Set Screw	1	0.002

6 RECOVERY TOOLS



Cutter knife available in 2 options:

- 44-40-117 is standard carbide cutter. Will cut longer but more fragile
- 44-40-117-H is high speed steel cutter. Will wear faster but more robust



Casing Cutter Assembly, NW CSG / HQ Rod

Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-19	44-40-100	Casing Cutter Assembly, NW CSG / HQ Rod	19.298

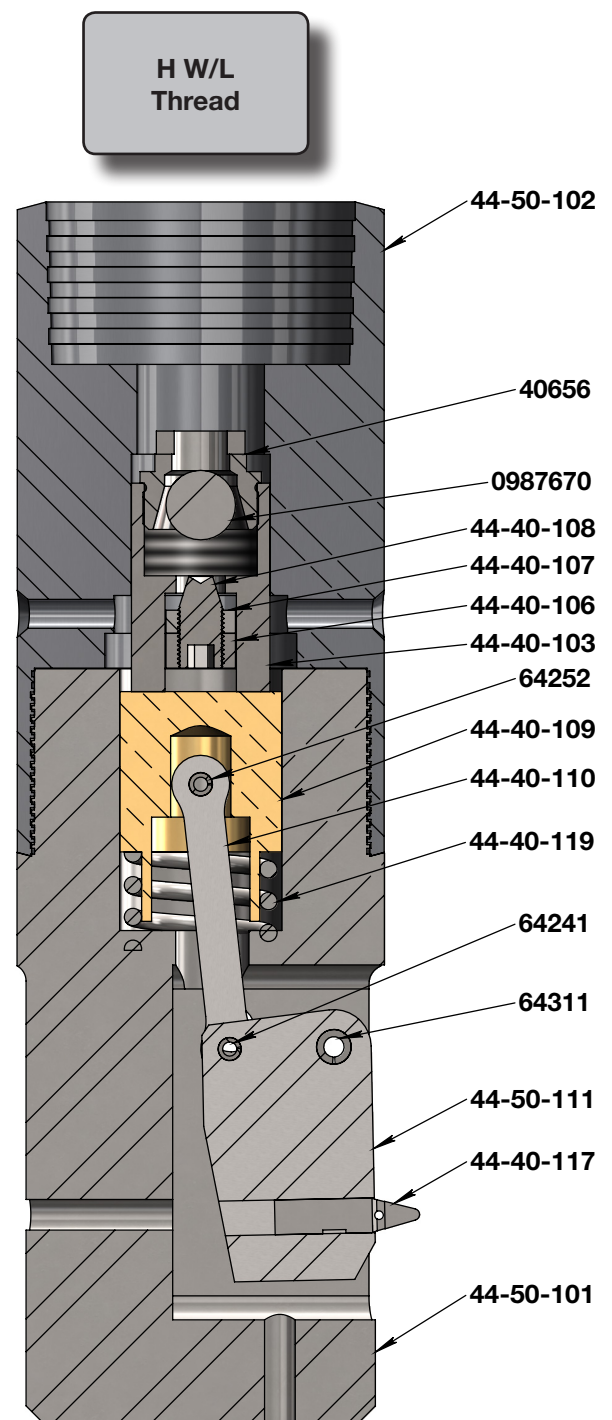
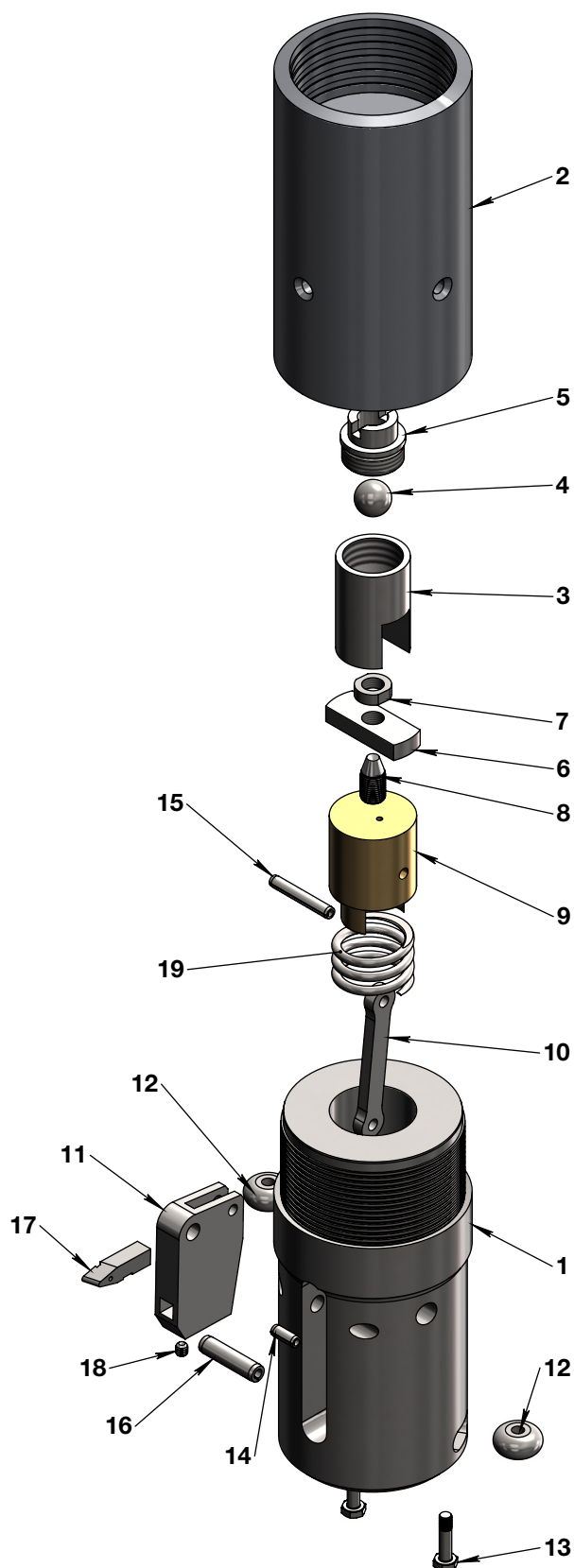
Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	44-40-101	Cutter Body, NW	1	9.986
2	44-40-102	Valve Body, NW	1	6.256
3	44-40-103	Valve	1	0.447
4	987670	3/4" Chrome Steel Ball	1	0.063
5	40656	Check Valve Body, BQ	1	0.16
6	44-40-106	Stopper Base	1	0.143
7	44-40-107	Stopper Lock Nut	1	0.019
8	44-40-108	Stopper Screw	1	0.039
9	44-40-109	Piston	1	1.155
10	44-40-110	Piston Rod	1	0.108
11	44-40-111	Tool Bit Holder	1	0.505
12	44-40-112	Roller Stabilizer	2	0.081
13	44-40-113	Roller Screw	2	0.0218
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0051
15	64252	1/4" x 1-5/8" Plain Finish Steel Slotted Spring Pin	1	0.0136
16	64311	3/8" x 1-1/2" Plain Finish Steel Slotted Spring Pin	1	0.0296
17	44-40-117	Cutter Knife (Carbide)	1	0.05
18	25326	1/4-20 x 1/4" Hex Drive Cup Point Alloy Steel Socket Set Screw	1	0.002
19	44-40-119	Compression Spring	1	0.112

Repair Kit: P/N 44-30-200

Item #	Part #	Description	Qty	Weight (lbs)
12	44-40-112	Roller Stabilizer	2	0.081
13	44-40-113	Roller Screw	2	0.0218
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0051
15	64252	1/4" x 1-5/8" Plain Finish Steel Slotted Spring Pin	1	0.0104
16	64311	3/8" x 1-1/2" Plain Finish Steel Slotted Spring Pin	1	0.0246
17	44-40-117	Cutter Knife (Carbide)	1	0.05
18	25326	1/4-20 x 1/4" Hex Drive Cup Point Steel Socket Set Screw	1	0.002

6 RECOVERY TOOLS



Cutter knife available in 2 options:

- 44-40-117 is standard carbide cutter. Will cut longer but more fragile
- 44-40-117-H is high speed steel cutter. Will wear faster but more robust



Casing Cutter Assembly, HW CSG / PQ Rod

Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-19	44-50-100	Casing Cutter Assembly, HW CSG / PQ Rod	37.297

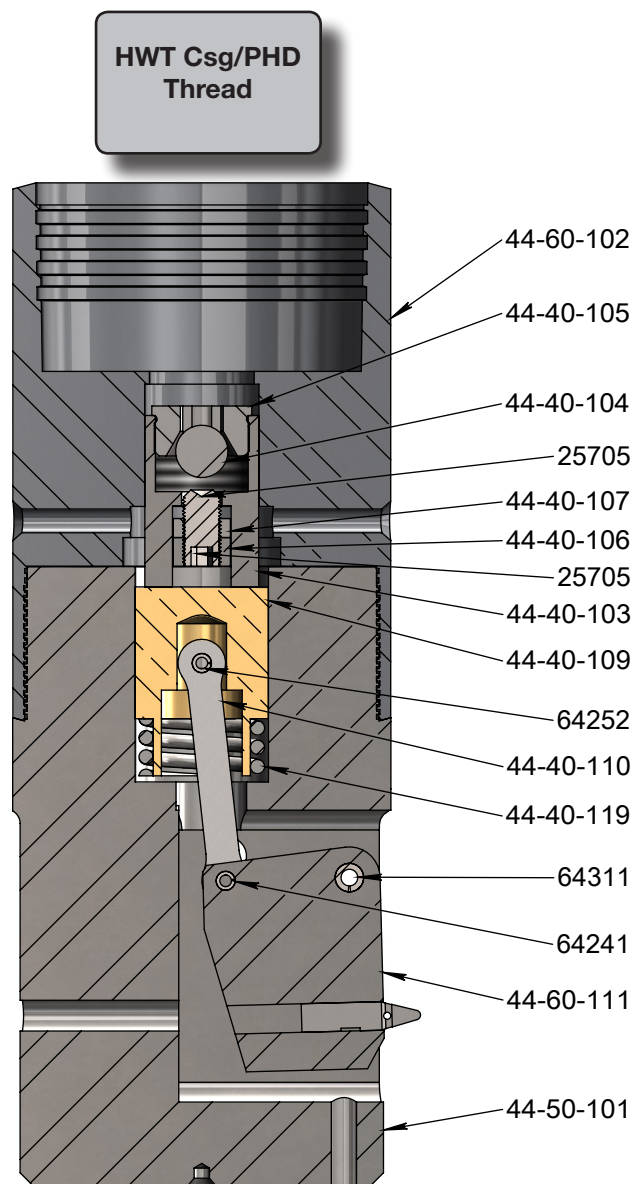
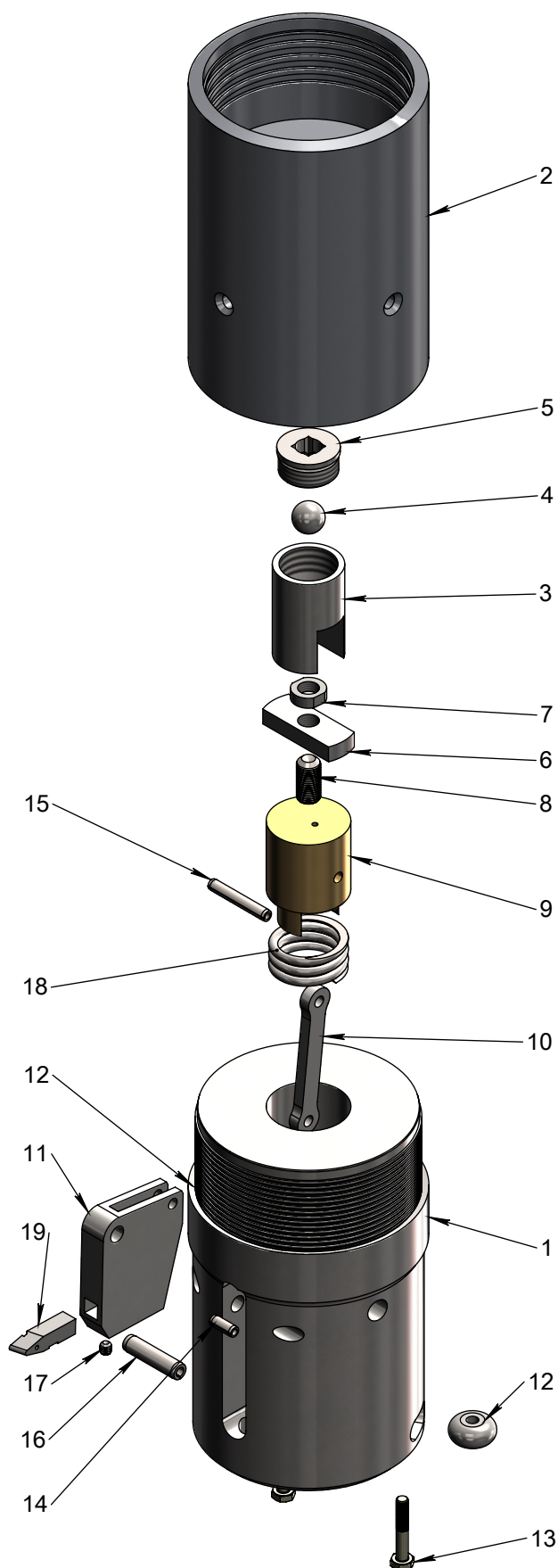
Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	44-50-101	Cutter Body, HW/CSG	1	21.498
2	44-50-102	Valve Body, HW/CSG	1	12.571
3	44-40-103	Valve	1	0.447
4	987670	3/4" Chrome Steel Ball	1	0.063
5	40656	Check Valve Body, BQ	1	0.16
6	44-40-106	Stopper Base	1	0.143
7	44-40-107	Stopper Lock Nut	1	0.019
8	44-40-108	Stopper Screw	1	0.039
9	44-40-109	Piston	1	1.155
10	44-40-110	Piston Rod	1	0.108
11	44-50-111	Tool Bit Holder, HW CSG	1	0.677
12	44-40-112	Roller Stabilizer	2	0.081
13	44-40-113	Roller Screw	2	0.0218
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0051
15	64252	1/4" x 1-5/8" Plain Finish Steel Slotted Spring Pin	1	0.0136
16	64311	3/8" x 1-1/2" Plain Finish Steel Slotted Spring Pin	1	0.0296
17	44-40-117	Cutter Knife (Carbide)	1	0.05
18	25326	1/4-20 x 1/4" Hex Drive Cup Point Alloy Steel Socket Set Screw	1	0.002
19	44-40-119	Compression Spring	1	0.112

Repair Kit: P/N 44-30-200

Item #	Part #	Description	Qty	Weight (lbs)
12	44-40-112	Roller Stabilizer	2	0.081
13	44-40-113	Roller Screw	2	0.0218
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0051
15	64252	1/4" x 1-5/8" Plain Finish Steel Slotted Spring Pin	1	0.0104
16	64311	3/8" x 1-1/2" Plain Finish Steel Slotted Spring Pin	1	0.0246
17	44-40-117	Cutter Knife (Carbide)	1	0.05
18	25326	1/4-20 x 1/4" Hex Drive Cup Point Steel Socket Set Screw	1	0.002

6 RECOVERY TOOLS



Cutter knife available in 2 options:

- 44-40-117 is standard carbide cutter. Will cut longer but more fragile
- 44-40-117-H is high speed steel cutter. Will wear faster but more robust



Casing Cutter Assembly, PW CSG

Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-19	44-60-100	Casing Cutter Assembly, PW CSG	56.908

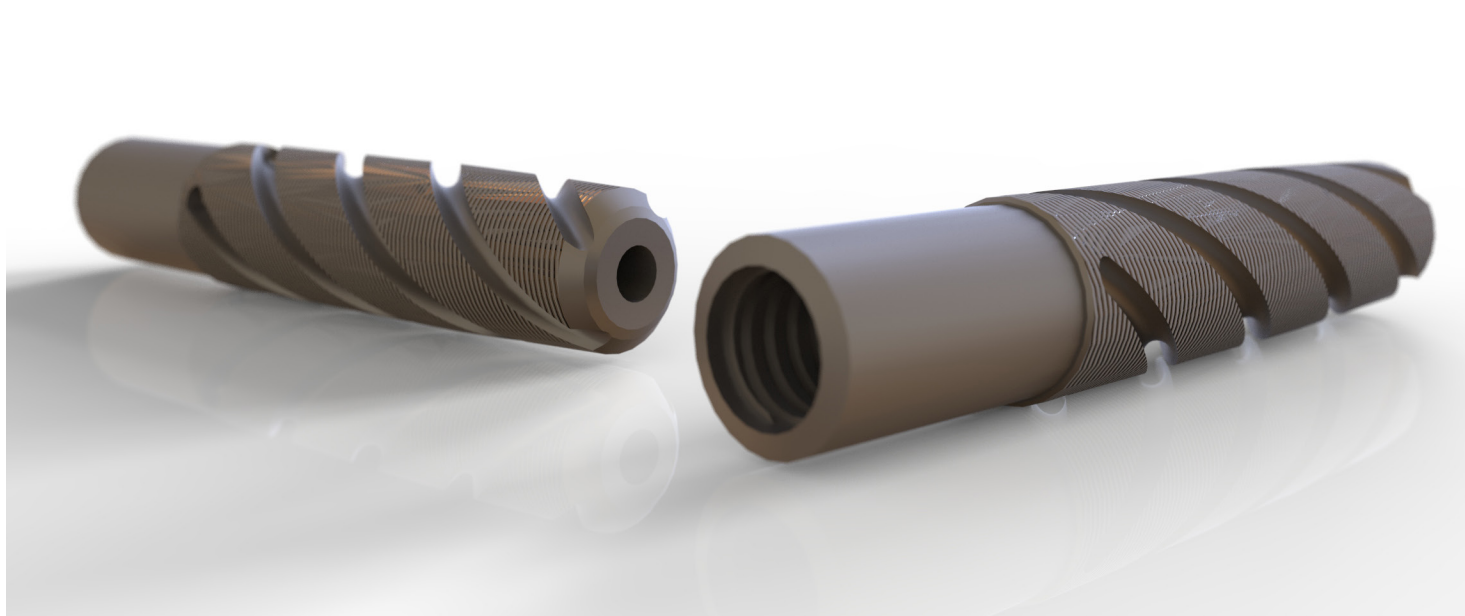
Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	44-60-101	Cutter Body, PW/CSG	1	36.394
2	44-60-102	Valve Body, PW	1	17.236
3	44-40-103	Valve	1	0.447
4	987670	3/4" Chrome Steel Ball	1	0.063
5	44-40-105	Retainer Plug	1	0.157
6	44-40-106	Stopper Base	1	0.143
7	44-40-107	Stopper Lock Nut	1	0.019
8	25705	1/2-20 x 1" Hex Drive Cup Point Steel Socket Set Screw	1	0.006
9	44-40-109	Piston	1	1.155
10	44-40-110	Piston Rod	1	0.108
11	44-60-111	Tool Bit Holder, PW CSG	1	0.817
12	44-40-112	Roller Stabilizer	2	0.081
13	18759	1/4-28 x 1-1/2" Grade 8 Yellow Zinc Finish Hex Cap Screw	2	0.027
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0007
15	64252	1/4" x 1-5/8" Plain Finish Steel Slotted Spring Pin	1	0.0017
16	64311	3/8" x 1-1/2" Plain Finish Steel Slotted Spring Pin	1	0.0038
17	25326	1/4-20 x 1/4" Hex Drive Cup Point Steel Socket Set Screw	1	0.002
18	44-40-119	Compression Spring	1	0.104
19	44-40-117	Cutter Knife (Carbide)	1	0.05

Repair Kit: P/N 44-30-200

Item #	Part #	Description	Qty	Weight (lbs)
12	44-40-112	Roller Stabilizer	2	0.081
13	44-40-113	Roller Screw	2	0.0218
14	64241	1/4" x 5/8" Plain Finish Steel Slotted Spring Pin	1	0.0051
15	64252	1/4" x 1-5/8" Plain Finish Steel Slotted Spring Pin	1	0.0104
16	64311	3/8" x 1-1/2" Plain Finish Steel Slotted Spring Pin	1	0.0246
17	25326	1/4-20 x 1/4" Hex Drive Cup Point Steel Socket Set Screw	1	0.002
19	44-40-117	Cutter Knife (Carbide)	1	0.05

Wireline Rod Full Grip Tap



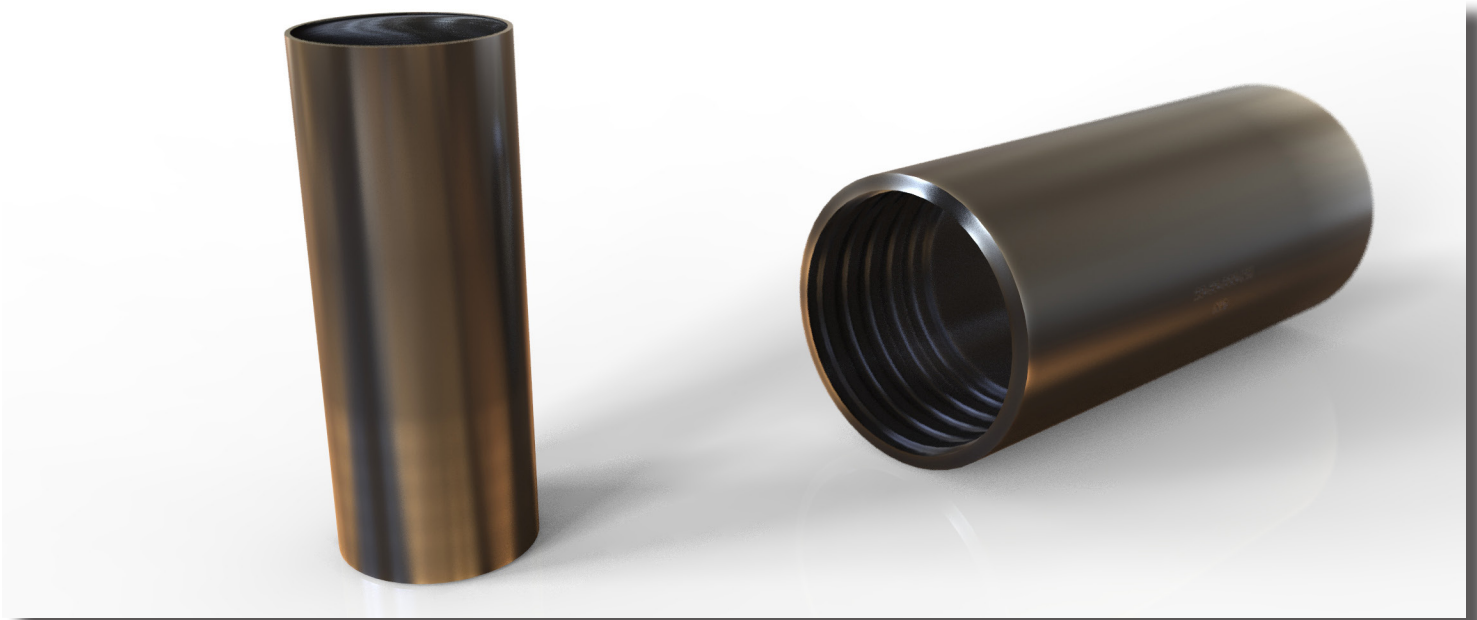
Right Hand

Tap Size	Part Number		Description	Connection	Unit Weight (lbs)
	X-Spec	Boart			
A W/L	20-20-100-RH	3542937	Full Grip Tap, Right Hand, A W/L	EW R/B	6.7
B W/L	20-20-200-RH	306076	Full Grip Tap, Right Hand, B W/L	AW R/B	6.2
N W/L	20-20-300-RH	306034	Full Grip Tap, Right Hand, N W/L	BW R/B	11.4
N W/L	20-20-301-RH		Full Grip Tap, Right Hand, N W/L	N W/L R/B	11.4
N W/L	20-20-311-RH		Full Grip Tap, Right Hand, N W/L	NT R/B	11.4
H W/L	20-20-400-RH	306079	Full Grip Tap, Right Hand, H W/L	BW R/B	21.3

Left Hand

Tap Size	Part Number		Description	Connection	Unit Weight (lbs)
	X-Spec	Boart			
A W/L	20-20-100-LH	N/A	Full Grip Tap, Left Hand, A W/L	EW R/B	6.7
B W/L	20-20-200-LH	N/A	Full Grip Tap, Left Hand, B W/L	AW R/B	6.2
N W/L	20-20-300-LH	N/A	Full Grip Tap, Left Hand, N W/L	BW R/B	11.4
H W/L	20-20-400-LH	N/A	Full Grip Tap, Left Hand, H W/L	BW R/B	21.3

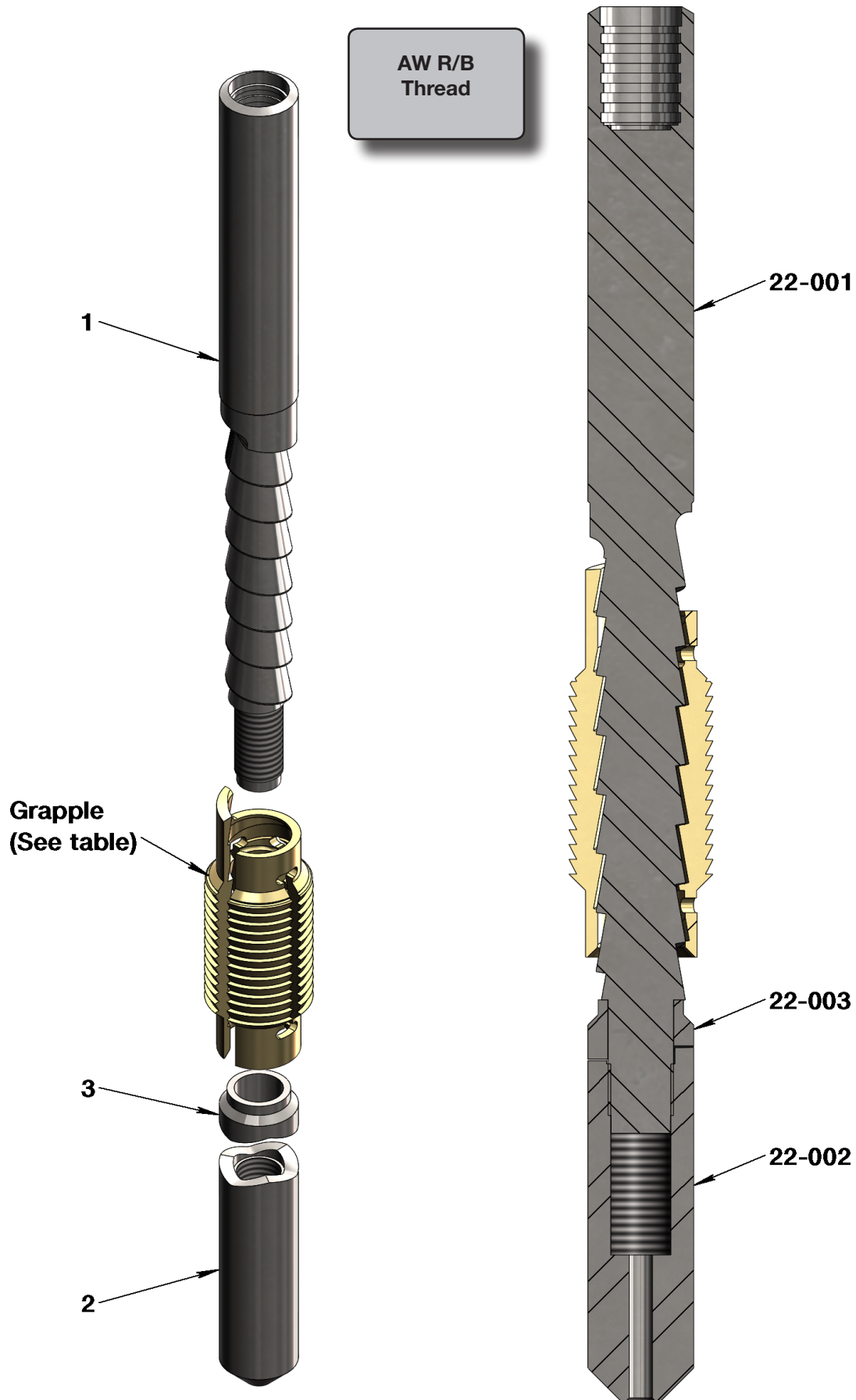
Bell Tap



Right Hand

Tap Size	Part Number	Description	Connection	Unit Weight (lbs)
A W/L	20-50-100-RH	Bell Tap, Right Hand, A W/L	A W/L R/B	1.5
A W/L	20-50-120-RH	Bell Tap, Right Hand, ARQLW	ARQLW R/B	1.5
B W/L	20-50-200-RH	Bell Tap, Right Hand, B W/L	B W/L R/B	2.0
B W/L	20-50-210-RH	Bell Tap, Right Hand, BT	BT R/B	2.0
N W/L	20-50-300-RH	Bell Tap, Right Hand, N W/L	N W/L R/B	3.0
N W/L	20-50-310-RH	Bell Tap, Right Hand, NT	NT R/B	3.0
N W/L	20-50-315-RH	Bell Tap, Right Hand, NRQHP	NRQHP R/B	3.0
H W/L	20-50-400-RH	Bell Tap, Right Hand, H W/L	H W/L R/B	4.2
HWT Csg	20-50-520-RH	Bell Tap, Right Hand, HWT Csg	HWT Csg/B	7.5

6 RECOVERY TOOLS



Spear Mandrel Assembly (AW R/B)

Assembly Kit Order

Item #	Rod Size	Part #	Description	Weight (lbs)
1-4	B W/L	22-200	Releasing Spear Grapple Assy, B W/L, AW R/B Connection	13.46
1-4	BQTK	22-250	Releasing Spear Grapple Assy, BQTK, AW R/B Connection	13.66
1-4	N W/L	22-300	Releasing Spear Grapple Assy, N W/L, AW R/B Connection	15.28
1-4	H W/L	22-400	Releasing Spear Grapple Assy, H W/L, AW R/B Connection	17.47
1-4	P W/L	22-500	Releasing Spear Grapple Assy, P W/L, AW R/B Connection	19.73

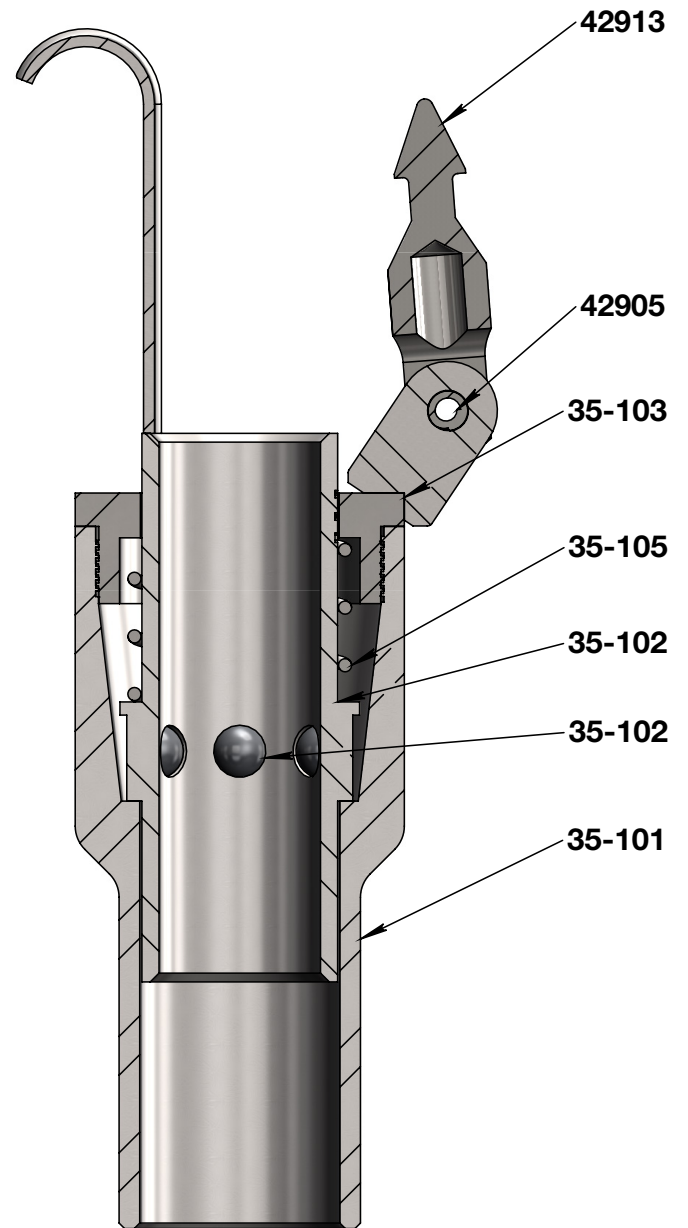
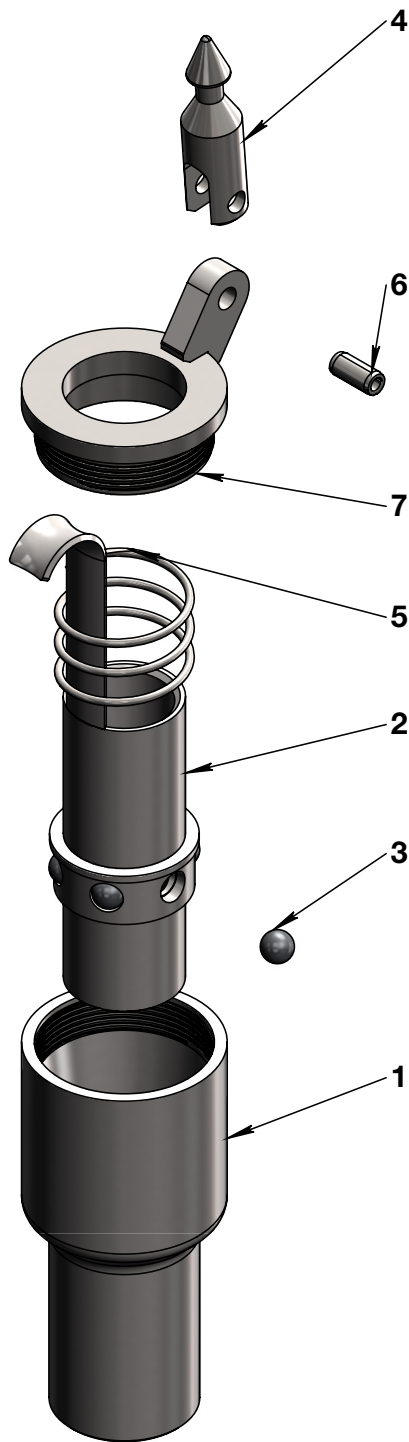
Parts List

Item #	Part #				Description	Qty	Weight (lbs)
	X-Spec	Bowen	Gotco	Logan			
1	22-001	1345	GRS-23-1F	F1007	Mandrel	1	9.258
2	22-002	1346	GRS-23-3	F5007	Bullnose Nut	1	3.092
3	22-003	1347	GRS-23-9	F4007	Release Ring	1	0.304
4	See Table				Grapple	1	-

Grapple

Rod Size	Part #	Description	Weight (lbs)
B W/L	22-004	Grapple, B W/L (For AW R/B Mandrel)	0.808
BQTK	22-008	Grapple, BQTK (For AW R/B Mandrel)	1.006
N W/L	22-005	Grapple, N W/L (For AW R/B Mandrel)	2.631
H W/L	22-006	Grapple, H W/L (For AW R/B Mandrel)	4.820
P W/L	22-007	Grapple, P W/L (For AW R/B Mandrel)	7.075

6 RECOVERY TOOLS



Clamping Range
1.585" - 1.840"



Pulling Dog Assembly, A W/L Rod / BQ I.T.

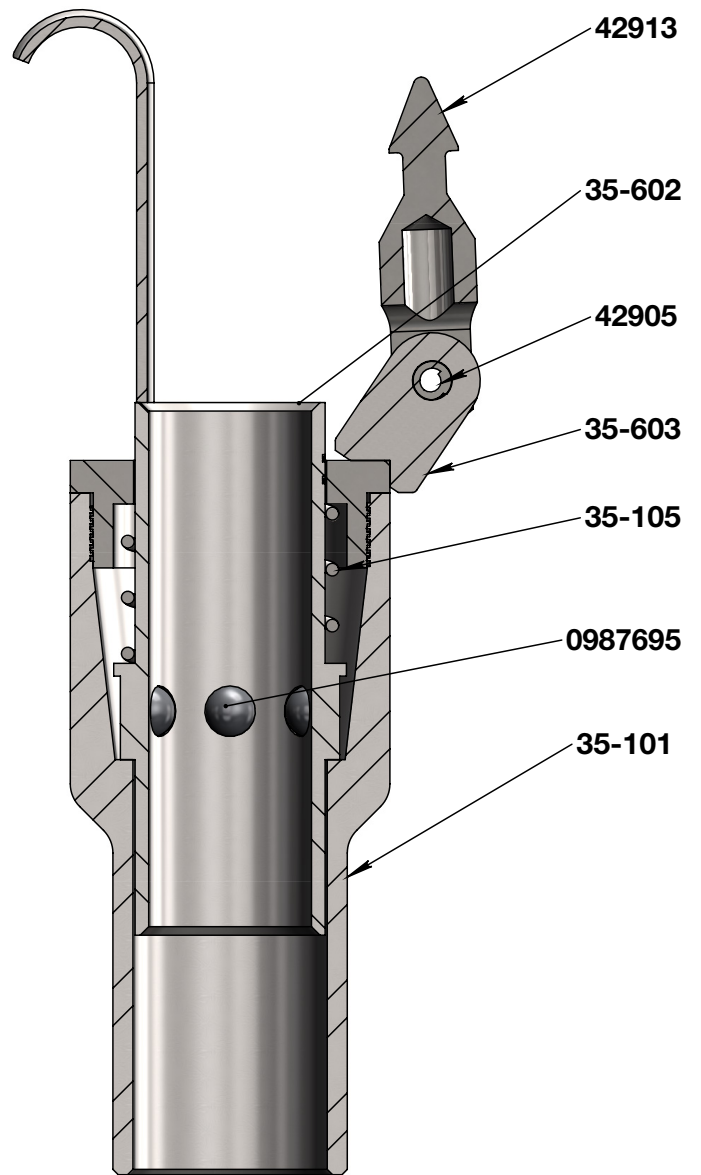
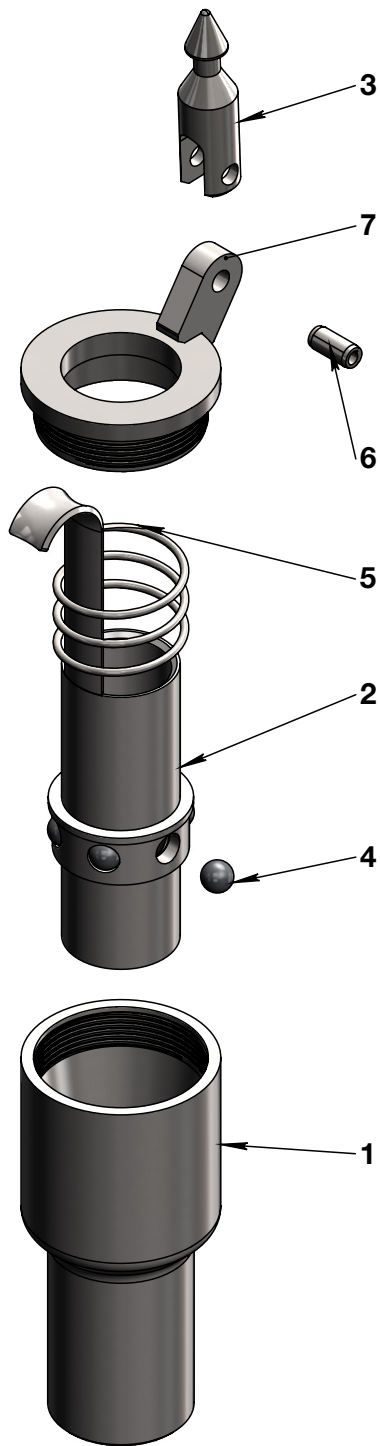
Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-7	35-100	Pulling Dog, AQ Rod (BQ I.T.)	11.959

Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	35-101	Pulling Dog Body, BQTK	1	6.863
2	35-102	Inner Tube, AQ Rod/ BQ I.T.	1	2.642
3	987695	5/8" Chrome Steel Ball	6	0.036
4	42913	Spearhead Point	1	0.42
5	35-105	Compression Spring, Pulling Dog, BQTK	1	0.105
6	42905	Spirol Spin 7/16" X 1"	1	0.031
7	35-103	Cap, Pulling Dog AQ Rod/ BQ I.T.	1	1.679

6 RECOVERY TOOLS



Clamping Range
1.585" - 1.910"



Pulling Dog Assembly, BQTK I.T.

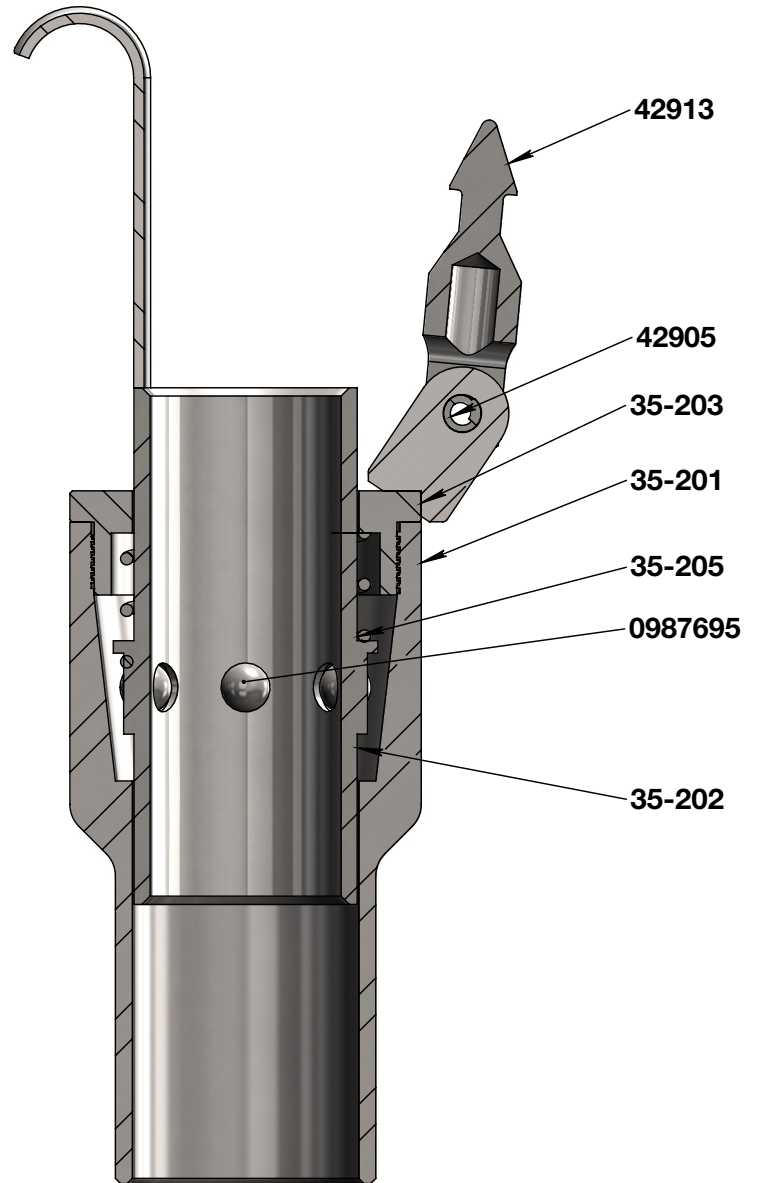
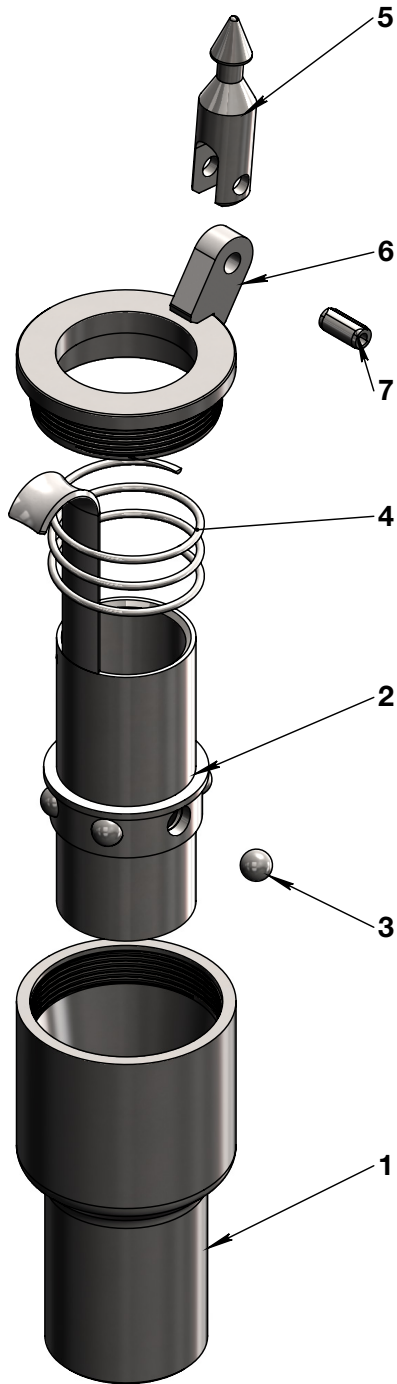
Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-7	35-600	Pulling Dog, BQTK I.T.	11.805

Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	35-101	Pulling Dog Body, BQTK	1	6.863
2	35-602	Inner Tube, BQTK	1	2.289
3	42913	Spearhead Point	1	0.42
4	987695	5/8" Chrome Steel Ball	6	0.036
5	35-105	Compression Spring, Pulling Dog, BQTK	1	0.105
6	42905	Spirol Spin 7/16" X 1"	1	0.031
7	35-603	Cap, Pulling Dog, BQTK	1	1.677

6 RECOVERY TOOLS



Clamping Range
2.025" - 2.300"



Pulling Dog Assembly, B W/L Rod / NQ I.T.

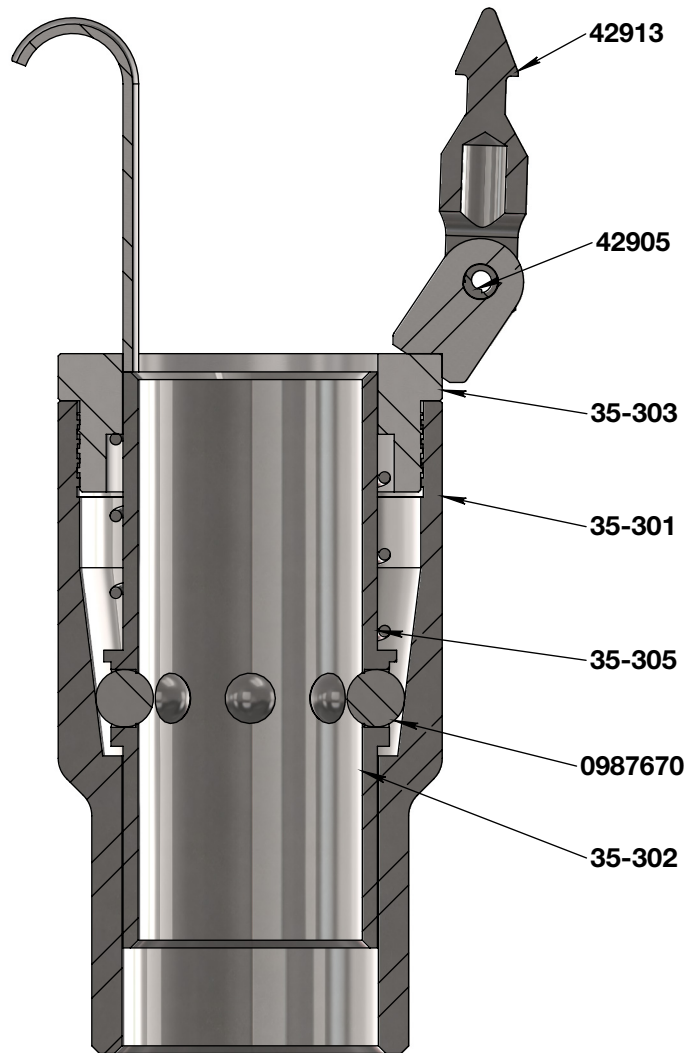
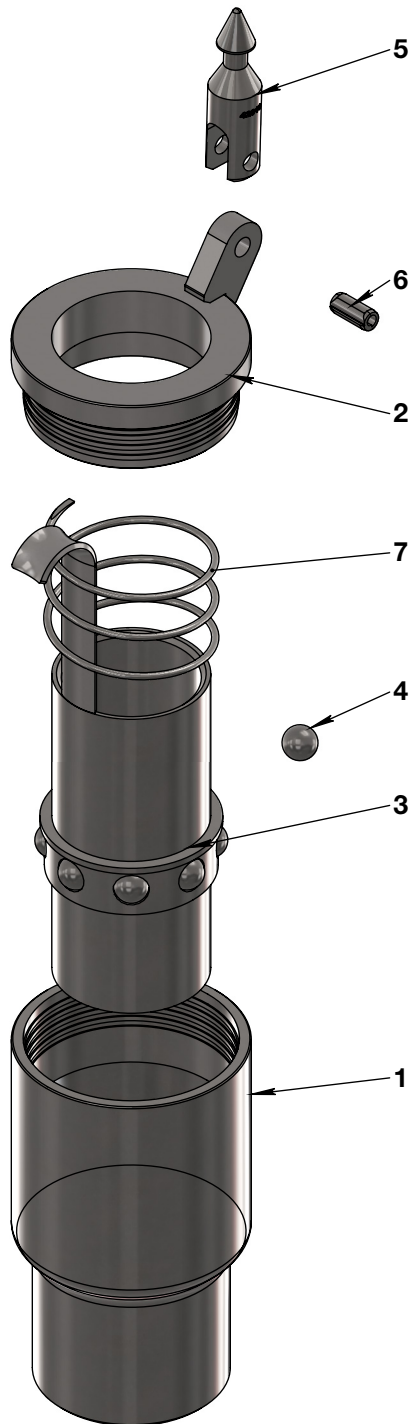
Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-7	35-200	Pulling Dog, BQ/BTW Rod (NQ I.T.)	13.736

Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	35-201	Pulling Dog Body, BQ / NQ I.T.	1	7.958
2	35-202	Inner Tube, BQ / NQ I.T.	1	3.132
3	987695	5/8" Chrome Steel Ball	6	0.036
4	35-205	Compression Spring, Pulling Dog, BQ Rod (NQ I.T.)	1	0.134
5	42913	Spearhead Point	1	0.42
6	35-203	Cap, Pulling dog, BQ Rod / NQ IT	1	1.843
7	42905	Spirol Spin 7/16" X 1"	1	0.031

6 RECOVERY TOOLS



Clamping Range
2.580" - 2.910"



Pulling Dog Assembly, N W/L Rod / HQ I.T.

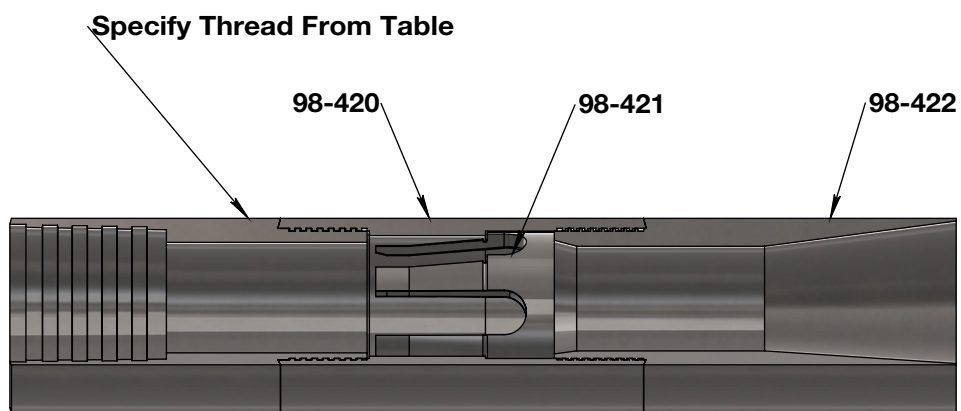
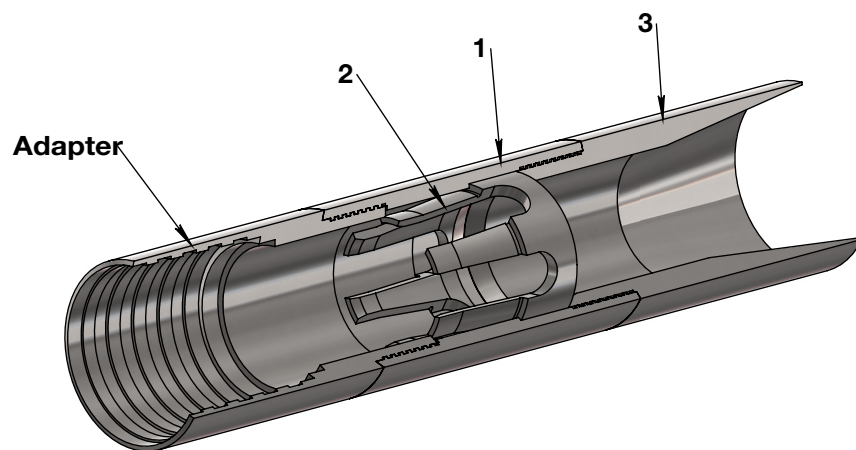
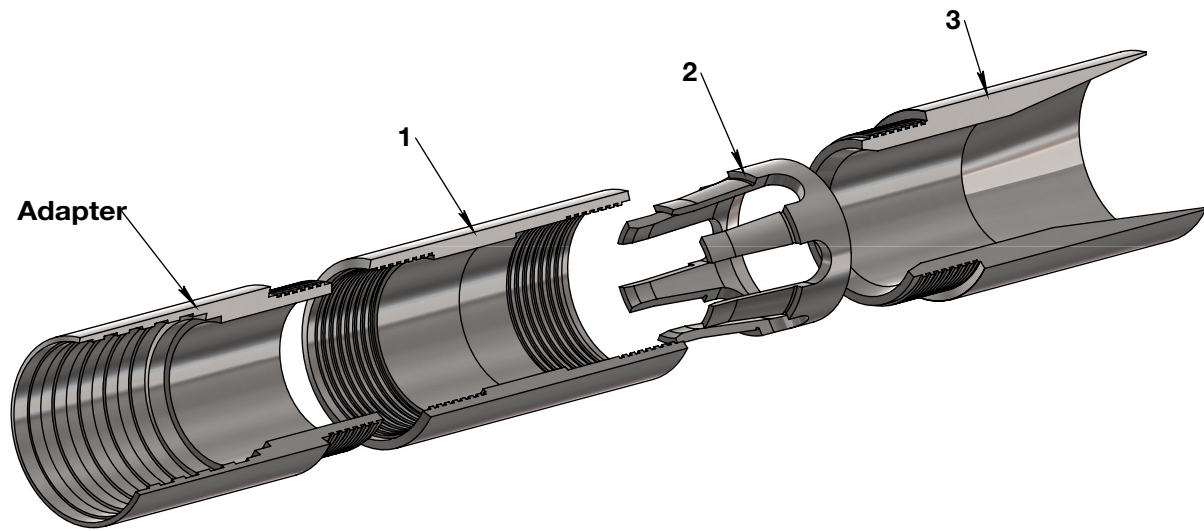
Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-7	35-300	Pulling Dog, N W/L Rod (HQ I.T.)	22.123

Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	35-301	Pulling Dog Body, NQ / HQ I.T.	1	12.444
2	35-303	Cap NQ / HQ I.T.	1	4.006
3	35-302	Inner Tube, NQ / HQ I.T.	1	4.554
4	987670	3/4" Chrome Steel Ball	8	0.063
5	42913	Spearhead Point	1	0.42
6	42905	Spirol Spin 7/16" X 1"	1	0.031
7	35-305	Compression Spring, Pulling Dog, NQ Rod (HQ I.T.)	1	0.164

6 RECOVERY TOOLS



X-Tractor for test samples, B W/L

Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-4	98-400	X-Tractor for Reflex, Conn. BT R/B	3.867
1,2,3,5	98-401	X-Tractor for Reflex, Conn. BQ R/B	4.031

Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	98-420	Body, X-Tractor	1	1.117
2	98-421	Spring, X-Tractor, (36-38mm)	1	0.173
3	98-422	Sleeve, B Rod	1	1.621

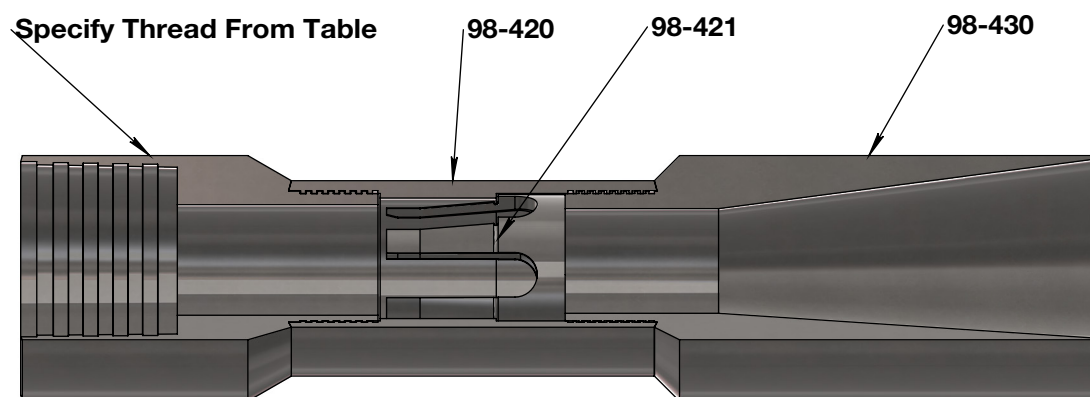
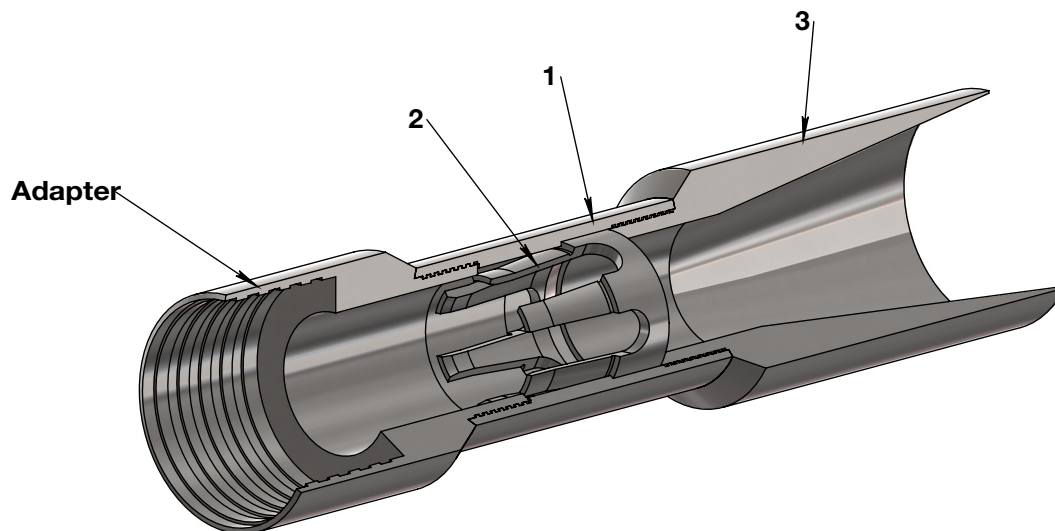
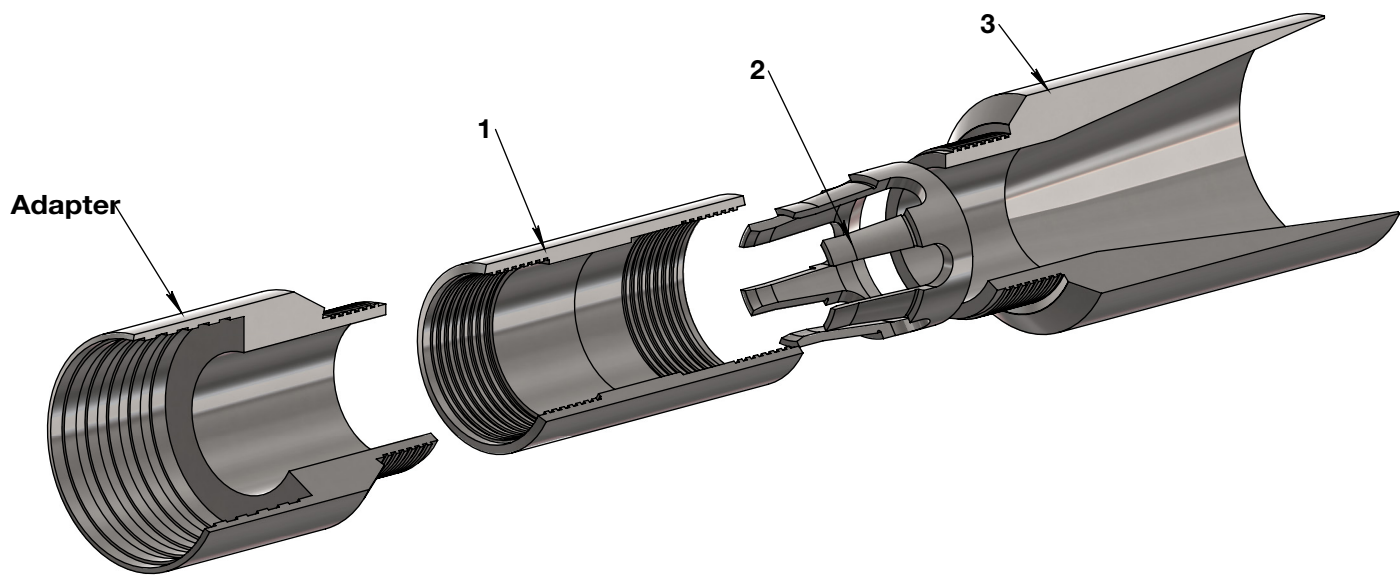
Adapter

Item #	Part #	Description	Qty	Weight (lbs)
4	98-423	Adapter, BT R/B, X-Tractor	1	0.956
5	98-425	Adapter, BQ R/B, X-Tractor	1	1.120

Spring

Item #	Part #	Description	Qty	Weight (lbs)
4	98-421	Spring, X-Tractor, (36-38mm)	1	0.173
5	98-424	Spring, X-Tractor, (34-35mm)	1	0.293

6 RECOVERY TOOLS



X-Tractor for test samples, N W/L

Assembly Kit Order

Item #	Part #	Description	Weight (lbs)
1-4	98-402	X-Tractor for Reflex, Conn. NT R/B	6.331
1,2,3,5	98-403	X-Tractor for Reflex, Conn. NQ R/B	6.942

Parts List

Item #	Part #	Description	Qty	Weight (lbs)
1	98-420	Body, X-Tractor	1	1.117
2	98-421	Spring, X-Tractor, (36-38mm)	1	0.173
3	98-430	Sleeve, N Rod	1	1.621

Adapter

Item #	Part #	Description	Qty	Weight (lbs)
4	98-426	Adapter, NQ R/B, X-Tractor	1	1.845
5	98-427	Adapter, NT R/B, X-Tractor	1	1.234

Spring

Item #	Part #	Description	Qty	Weight (lbs)
4	98-421	Spring, X-Tractor, (36-38mm)	1	0.173
5	98-424	Spring, X-Tractor, (34-35mm)	1	0.293