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Setting Equipment

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4-1/2" - 5" MST MECHANICAL SETTING TOOL

COMPLETE ASSEMBLY
COMPLETE ASSEMBLY, CARBIDE

43MST.10XX
43MST.10XX
CASING RANGE: A: 9.5 - 13.5#
B: 18.0 - 21.0#
C: 11.5 - 18.0#

DRAG BLOCKS ARE NOT CARBURIZED ON STANDARD ASSEMBLIES.
PLEASE SPECIFY IF YOU WANT DRAG BLOCKS CARBURIZED AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	23E19NC	1
2	MANDREL	43MS06	1
3	DRAG BLOCK RETAINER	43MS24	1
4	DRAG BLOCK HOUSING	43MS18	1
5	DRAG BLOCK, 9.5 - 13.5#	PDB450	4
	DRAG BLOCK, CARBIDE	PDB450C	4
	DRAG BLOCK, 18.0 - 21.0#	PDB550	4
	DRAG BLOCK, CARBIDE	PDB550C	4
	DRAG BLOCK, 15.0 - 18.0#	PDB560	4
	DRAG BLOCK, CARBIDE	PDB560C	4
	DRAG BLOCK, 11.5 - 15.0#	PDB570	4
	DRAG BLOCK, CARBIDE	PDB570C	4
6	DRAG BLOCK SPRING	43MST21	12
7	DRAG BLOCK GUIDE	43MS19	1
8	SOC. CAP SCREW, 1/4-20 X 1/4	HC1000	6
9	CONTROL SLEEVE	43MS03	1
10	CONTROL NUT	43MS04	1
11	SOC. SET SCREW, 3/8-16 X 1/4	HA1002	2
12	RETAINING SLEEVE	43MS07	1
13	CONTROL NUT CLUTCH	43MS05	1
14	O-RING	050-90-219	1
15	DOG	43MS15	1
16	PIN, 3/16 X 1-1/4	HP1003	2
17	DOG SPRING	43MS16	2
18	SHEAR SCREW, BRASS	HA1001B	2
19	CONTROL LATCH	43MS08	1
20	KEY, 1/4 X 1/4 X 2 3/4	HK1002	1
21	SETTING SLEEVE	43MS20	1
22	STINGER SUB BODY	43MS09	1
23	O-RING	050-90-024	1
24	STINGER SEAL	43MS02	1
25	STINGER SUB	43MS12	1
26	THREAD PROTECTOR (FOR USE W/ BRIDGE PLUG ONLY)	43MS28	1

5-1/2" MST MECHANICAL SETTING TOOL

COMPLETE ASSEMBLY
COMPLETE ASSEMBLY, CARBIDE

45MST.10XX
45MST.10XX
CASING RANGE: A: 17.0 - 23.0#
B: 13.0 - 17.0#

DRAG BLOCKS ARE NOT CARBURIZED ON STANDARD ASSEMBLIES.
PLEASE SPECIFY IF YOU WANT DRAG BLOCKS CARBURIZED AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	23E19NC	1
2	MANDREL	43MS06	1
3	DRAG BLOCK RETAINER	45MS24	1
4	DRAG BLOCK HOUSING	45MS18	1
5	DRAG BLOCK, 17.0 - 23.0#	PDB550	4
	DRAG BLOCK, CARBIDE	PDB550C	4
	DRAG BLOCK, 13.0 - 17.0#	PDB560	4
	DRAG BLOCK, CARBIDE	PDB560C	4
6	DRAG BLOCK SPRING	43MST21	20
7	DRAG BLOCK GUIDE	45MS19	1
8	SOC. CAP SCREW, 1/4-20 X 1/4	HC1000	6
9	CONTROL SLEEVE	43MS03	1
10	CONTROL NUT	43MS04	1
11	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	2
12	RETAINING SLEEVE	43MS07	1
13	CONTROL NUT CLUTCH	43MS05	1
14	O-RING	050-90-219	1
15	DOG	43MS15	1
16	PIN, 3/16 X 1 1/4	HP1003	2
17	DOG SPRING	43MS16	2
18	SHEAR SCREW, BRASS	HA1001B	2
19	CONTROL LATCH	43MS08	1
20	KEY, 1/4 X 1/4 X 2 3/4	HK1002	1
21	SETTING SLEEVE	45MS20	1
22	STINGER SUB BODY	43MS09	1
23	O-RING	050-90-024	1
24	STINGER SEAL	43MS02	1
25	STINGER SUB	43MS12	1
26	THREAD PROTECTOR (FOR USE W/ BRIDGE PLUG ONLY)	43MS28	1

7" MST MECHANICAL SETTING TOOL

COMPLETE ASSEMBLY
COMPLETE ASSEMBLY, CARBIDE

47MST.10XX
47MST.10XX
CASING RANGE: A: 29 - 38.0#
B: 17.0 - 32.0#

DRAG BLOCKS ARE NOT CARBURIZED ON STANDARD ASSEMBLIES.
PLEASE SPECIFY IF YOU WANT DRAG BLOCKS CARBURIZED AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	27E27EC	1
2	MANDREL	47MS06	1
3	LOCK SEGMENT	47MS17	1
4	DRAG BLOCK RETAINER	47MS19	1
5	SPRING	45R11	1
6	SOC. CAP SCREW, 5/16-18 X 3/4	HC1007	3
7	SEGMENT SUPPORT RING	47MS27	1
8	DRAG BLOCK HOUSING	47MS18	1
9	DRAG BLOCK, 29 - 38.0#	PDB700	6
	DRAG BLOCK, CARBIDE	PDB700C	6
	DRAG BLOCK, 17.0 - 32.0#	PDB900	6
	DRAG BLOCK, CARBIDE	PDB900C	6
10	DRAG BLOCK SPRING	47MST21	48
11	SOC. CAP SCREW, 1/4-20 X 1/4	HC1000	4
12	CONTROL SLEEVE	47MS03	1
13	CONTROL NUT	47MS04	1
14	SOC. SET SCREW, 3/8-16 X 1/4	HA1002	2
15	RETAINING SLEEVE	47MS07	1
16	CONTROL NUT CLUTCH	47MS05	1
17	O-RING	050-90-225	1
18	DOG	47MS15	1
19	PIN, 3/16 X 1 1/4	HP1003	2
20	DOG SPRING	47MS16	2
21	SHEAR SCREW, BRASS	HA1001B	2
22	CONTROL LATCH	47MS08	1
23	KEY, 1/4 X 1/4 X 2 3/4	HK1002	1
24	SETTING SLEEVE	47MS20	1
25	STINGER SUB BODY	47MS09	1
26	O-RING	050-90-030	1
27	STINGER SEAL	47MS02	1
28	STINGER SUB	47MS12	1
29	TEE HANDLE	47MS29	1
26	THREAD PROTECTOR (FOR USE W/ BRIDGE PLUG ONLY)	47MS28	1

7-5/8" MST MECHANICAL SETTING TOOL

COMPLETE ASSEMBLY
COMPLETE ASSEMBLY, CARBIDE

48MST.10XX
48MST.10XX
CASING RANGE: A: 24.0 - 45.3#

DRAG BLOCKS ARE NOT CARBURIZED ON STANDARD ASSEMBLIES.
PLEASE SPECIFY IF YOU WANT DRAG BLOCKS CARBURIZED AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	27E27EC	1
2	MANDREL	47MS06	1
3	LOCK SEGMENT	47MS17	1
4	DRAG BLOCK RETAINER	48MS19	1
5	SPRING	45R11	1
6	SOC. CAP SCREW, 5/16-18 X 3/4	HC1007	3
7	SEGMENT SUPPORT RING	47MS27	1
8	DRAG BLOCK HOUSING	48MS18	1
9	DRAG BLOCK	PDB800	6
	DRAG BLOCK, CARBIDE	PDB800C	6
10	DRAG BLOCK SPRING	47MST21	48
11	DRAG BLOCK GUIDE	48MS11	1
12	SOC. CAP SCREW, 1/4-20 X 1/4	HC1000	4
13	CONTROL SLEEVE	48MS03	1
14	CONTROL NUT	47MS04	1
15	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	2
16	RETAINING SLEEVE	47MS07	1
17	CONTROL NUT CLUTCH	47MS05	1
18	O-RING	050-90-225	1
19	DOG	47MS15	1
20	PIN, 3/16 X 1 1/4	HP1003	2
21	DOG SPRING	47MS16	2
22	SHEAR SCREW, BRASS	HA1001B	2
23	SOC. SET SCREW, 7/16-20 X 3/8	HA1027	3
24	SLIP ADAPTER	48MS22	1
25	CONTROL LATCH	48MS08	1
26	KEY, 1/4 X 1/4 X 2 3/4	HK1002	1
27	SETTING SLEEVE	48MS20	1
28	STINGER SUB BODY	47MS09	1
29	O-RING	050-90-030	1
30	STINGER SEAL	47MS02	1
31	STINGER SUB	47MS12	1
32	TEE HANDLE	47MS29	1

8-5/8" MST MECHANICAL SETTING TOOL

COMPLETE ASSEMBLY
COMPLETE ASSEMBLY, CARBIDE

49MST.10XX
49MST.10XX
CASING RANGE: A: 28.0 - 52.0#

DRAG BLOCKS ARE NOT CARBURIZED ON STANDARD ASSEMBLIES.
PLEASE SPECIFY IF YOU WANT DRAG BLOCKS CARBURIZED AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	27E27EC	1
2	MANDREL	47MS06	1
3	LOCK SEGMENT	47MS17	1
4	DRAG BLOCK RETAINER	49MS19	1
5	SPRING	45R11	1
6	SEGMENT RETAINER	49MS23	1
7	SOC. CAP SCREW, 5/16-18 X 1 1/4	HC1008	3
8	SEGMENT SUPPORT RING	49MS27	1
9	DRAG BLOCK HOUSING	49MS18	1
10	DRAG BLOCK	PDB800	8
	DRAG BLOCK, CARBIDE	PDB800C	8
11	HOUSING SUPPORT	49MS21	1
12	DRAG BLOCK SPRING	47MST21	64
13	DRAG BLOCK GUIDE	49MS11	1
14	SOC. CAP SCREW, 5/16-18 X 1/2	HC1004	4
15	CONTROL SLEEVE	49MS03	1
16	CONTROL NUT	47MS04	1
17	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	2
18	RETAINING SLEEVE	47MS07	1
19	CONTROL NUT CLUTCH	47MS05	1
20	O-RING	050-90-225	1
21	DOG	47MS15	1
22	PIN, 3/16 X 1 1/4	HP1003	2
23	DOG SPRING	47MS16	2
24	SHEAR SCREW, BRASS	HA1001B	2
25	SOC. SET SCREW, 7/16-20 X 1/2	HA1018	3
26	SLIP ADAPTER	49MS22	1
27	CONTROL LATCH	48MS08	1
28	KEY, 1/4 X 1/4 X 2 3/4	HK1002	1
29	SETTING SLEEVE	49MS20	1
30	STINGER SUB BODY	47MS09	1
31	O-RING	050-90-030	1
32	STINGER SEAL	47MS02	1
33	STINGER SUB	47MS12	1
34	TEE HANDLE	47MS29	1

9-5/8" MST MECHANICAL SETTING TOOL

COMPLETE ASSEMBLY
COMPLETE ASSEMBLY, CARBIDE

51MST.10XX
51MST.10XX
CASING RANGE: A: 32.0 - 61.0#

DRAG BLOCKS ARE NOT CARBURIZED ON STANDARD ASSEMBLIES.
PLEASE SPECIFY IF YOU WANT DRAG BLOCKS CARBURIZED AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	27E27EC	1
2	MANDREL	47MS06	1
3	LOCK SEGMENT	47MS17	1
4	DRAG BLOCK RETAINER	51MS19	1
5	SPRING	45R11	1
6	SEGMENT RETAINER	49MS23	1
7	SOC. CAP SCREW, 5/16-18 X 1 1/4	HC1008	3
8	SEGMENT SUPPORT RING	49MS27	1
9	DRAG BLOCK HOUSING	51MS18	1
10	DRAG BLOCK	PDB800	8
	DRAG BLOCK, CARBIDE	PDB800C	8
11	HOUSING SUPPORT	49MS21	1
12	DRAG BLOCK SPRING	47MST21	64
13	DRAG BLOCK GUIDE	51MS11	1
14	SOC. CAP SCREW, 5/16-18 X 1/2	HC1004	4
15	CONTROL SLEEVE	49MS03	1
16	CONTROL NUT	47MS04	1
17	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	2
18	RETAINING SLEEVE	47MS07	1
19	CONTROL NUT CLUTCH	47MS05	1
20	O-RING	050-90-225	1
21	DOG	47MS15	1
22	PIN, 3/16 X 1 1/4	HP1003	2
23	DOG SPRING	47MS16	2
24	SHEAR SCREW, BRASS	HA1001B	2
25	SOC. SET SCREW, 7/16-20 X 1/2	HA1018	3
26	SLIP ADAPTER	51MS22	1
27	CONTROL LATCH	48MS08	1
28	KEY, 1/4 X 1/4 X 2 3/4	HK1002	1
29	SETTING SLEEVE	51MS20	1
30	STINGER SUB BODY	47MS09	1
31	O-RING	050-90-030	1
32	STINGER SEAL	47MS02	1
33	STINGER SUB	47MS12	1
34	TEE HANDLE	47MS29	1

10-3/4" MST MECHANICAL SETTING TOOL

COMPLETE ASSEMBLY
COMPLETE ASSEMBLY, CARBIDE

53MST.10XX
53MST.10XX
CASING RANGE: A: 51.0 - 81.0#
B: 32.75 - 60.7#

DRAG BLOCKS ARE NOT CARBURIZED ON STANDARD ASSEMBLIES.
PLEASE SPECIFY IF YOU WANT DRAG BLOCKS CARBURIZED AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	27E27EC	1
2	MANDREL	47MS06	1
3	LOCK SEGMENT	47MS17	1
4	DRAG BLOCK RETAINER	53MS19	1
5	SPRING	45R11	1
6	SEGMENT RETAINER	49MS23	1
7	SOC. CAP SCREW, 5/16-18 X 1 1/4	HC1008	3
8	SEGMENT SUPPORT RING	49MS27	1
9	DRAG BLOCK HOUSING	53MS18	1
10	DRAG BLOCK, 51.0 - 81.0#	PDB800	12
	DRAG BLOCK, CARBIDE	PDB800C	12
	DRAG BLOCK, 32.75 - 60.7#	PDB900	12
	DRAG BLOCK, CARBIDE	PDB900C	12
11	HOUSING SUPPORT	49MS21	1
12	DRAG BLOCK SPRING	47MST21	96
13	DRAG BLOCK GUIDE	53MS11	1
14	SOC. CAP SCREW, 5/16-18 X 1/2	HC1004	4
15	CONTROL SLEEVE	49MS03	1
16	CONTROL NUT	47MS04	1
17	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	2
18	RETAINING SLEEVE	47MS07	1
19	CONTROL NUT CLUTCH	47MS05	1
20	O-RING	050-90-225	1
21	DOG	47MS15	1
22	PIN, 3/16 X 1 1/4	HP1003	2
23	DOG SPRING	47MS16	2
24	SHEAR SCREW, BRASS	HA1001B	2
25	SOC. SET SCREW, 7/16-20 X 1/2	HA1018	3
26	SLIP ADAPTER	53MS22	1
27	CONTROL LATCH	48MS08	1
28	KEY, 1/4 X 1/4 X 2 3/4	HK1002	1
29	SETTING SLEEVE	53MS20	1
30	STINGER SUB BODY	47MS09	1
31	O-RING	050-90-030	1
32	STINGER SEAL	47MS02	1
33	STINGER SUB	47MS12	1
34	TEE HANDLE	47MS29	1

13-3/8" MST MECHANICAL SETTING TOOL

COMPLETE ASSEMBLY
COMPLETE ASSEMBLY, CARBIDE

55MST.10XX
55MST.10XX
CASING RANGE: B: 48.0 - 72.0#

DRAG BLOCKS ARE NOT CARBURIZED ON STANDARD ASSEMBLIES.
PLEASE SPECIFY IF YOU WANT DRAG BLOCKS CARBURIZED AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	27E27EC	1
2	MANDREL	47MS06	1
3	LOCK SEGMENT	47MS17	1
4	DRAG BLOCK RETAINER	55MS19	1
5	SPRING	45R11	1
6	SEGMENT RETAINER	49MS23	1
7	SOC. CAP SCREW, 5/16-18 X 1 1/4	HC1008	3
8	SEGMENT SUPPORT RING	49MS27	1
9	DRAG BLOCK HOUSING	55MS18	1
10	DRAG BLOCK	PDB800	12
	DRAG BLOCK, CARBIDE	PDB800C	12
11	HOUSING SUPPORT	55MS21	1
12	DRAG BLOCK SPRING	47MST21	96
13	DRAG BLOCK GUIDE	55MS11	1
14	SOC. CAP SCREW, 5/16-18 X 1/2	HC1004	4
15	CONTROL SLEEVE	54MS03	1
16	CONTROL NUT	47MS04	1
17	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	2
18	RETAINING SLEEVE	47MS07	1
19	CONTROL NUT CLUTCH	47MS05	1
20	O-RING	050-90-225	1
21	DOG	47MS15	1
22	PIN, 3/16 X 1 1/4	HP1003	2
23	DOG SPRING	47MS16	2
24	SHEAR SCREW, BRASS	HA1001B	2
25	SOC. SET SCREW, 7/16-20 X 1/2	HA1018	4
26	SLIP ADAPTER	55MS22	1
27	CONTROL LATCH	48MS08	1
28	KEY, 1/4 X 1/4 X 2 3/4	HK1002	1
29	SETTING SLEEVE ASSEMBLY	55MS20	1
30	STINGER SUB BODY	47MS09	1
31	O-RING	050-90-030	1
32	STINGER SEAL	47MS02	1
33	STINGER SUB	47MS12	1
34	TEE HANDLE	47MS29	1
35	KEY, 1/4 X 1/4 X 2	HK1001	2

16" MST MECHANICAL SETTING TOOL

COMPLETE ASSEMBLY

57MST.10XX

CASING RANGE: A: 65.0 - 118.0#

DRAG BLOCKS ARE NOT CARBURIZED ON STANDARD ASSEMBLIES.

PLEASE SPECIFY IF YOU WANT DRAG BLOCKS CARBURIZED AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	45IF27EC	1
2	MANDREL	47MS06	1
3	LOCK SEGMENT	47MS17	1
4	DRAG BLOCK RETAINER	57MS19	1
5	SPRING	45R11	1
6	SEGMENT RETAINER	49MS23	1
7	SOC. CAP SCREW, 5/16-18 X 1 1/4	HC1008	3
8	SEGMENT SUPPORT RING	49MS27	1
9	DRAG BLOCK HOUSING	57MS18	1
10	DRAG BLOCK	PDB800	16
	DRAG BLOCK, CARBIDE	PDB800C	16
11	HOUSING SUPPORT	55MS21	1
12	DRAG BLOCK SPRING	47MST21	128
13	DRAG BLOCK GUIDE	57MS11	1
14	SOC. CAP SCREW, 5/16-18 X 1/2	HC1004	4
15	CONTROL SLEEVE	54MS03	1
16	CONTROL NUT	47MS04	1
17	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	2
18	RETAINING SLEEVE	47MS07	1
19	CONTROL NUT CLUTCH	47MS05	1
20	O-RING	050-90-225	1
21	DOG	47MS15	1
22	PIN, 3/16 X 1 1/4	HP1003	2
23	DOG SPRING	47MS16	2
24	SHEAR SCREW, BRASS	HA1001B	2
25	SOC. SET SCREW, 7/16-20 X 1/2	HA1018	4
26	SLIP ADAPTER	57MS22	1
27	CONTROL LATCH	48MS08	1
28	KEY, 1/4 X 1/4 X 2 3/4	HK1002	1
29	SETTING SLEEVE ASSEMBLY	57MS20	1
30	STINGER SUB BODY	47MS09	1
31	O-RING	050-90-030	1
32	STINGER SEAL	47MS02	1
33	STINGER SUB	47MS12	1
34	TEE HANDLE	47MS29	1
35	KEY, 1/4 X 1/4 X 2	HK1001	2
36	PISTON SPRING	45R11	1

HST HYDRAULIC SETTING TOOL

COMPLETE ASSEMBLY

23HST.1001

Thread Connection: 2 3/8" EU 8rd
Bottom Connection: #10 Baker E4

ITEM	DESCRIPTION	PART #	NO. REQ'D.
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Product List Under Construction

COMPLETE ASSEMBLY

27HST.1001

Thread Connection: 2 7/8" EU 8rd
Bottom Connection: #20 Baker E4

ITEM	DESCRIPTION	PART #	NO. REQ'D.
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Product List Under Construction

2-3/8" JSA SNAP-OUT SEAL ASSEMBLY

COMPLETE ASSEMBLY

23JSA.1001

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	23SSA01	1
2	O-RING	050-90-219	1
3	PIN, RETAINER	23JSA01	1
4	JAY PIN	23JSA02	2
5	SOC. SET SCREW, 5/16-18 X 1/4	HA1017	2
6	LATCH	23JSA03	1
7	MANDREL	23JSA04	1
8	STINGER SEAL	43MS02	1
9	O-RING	050-90-024	1
10	STINGER SUB	43MS12	1

2-7/8" JSA SNAP-OUT SEAL ASSEMBLY

COMPLETE ASSEMBLY

27JSA.1001

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	27SSA01	1
2	O-RING	050-90-225	1
3	PIN, RETAINER	27JSA01	1
4	JAY PIN	23JSA02	2
5	SOC. SET SCREW, 5/16-18 X 3/8	HA1008	2
6	LATCH	27JSA03	1
7	MANDREL	27JSA04	1
8	STINGER SEAL	47MS02	1
9	O-RING	050-90-030	1
10	STINGER SUB	47MS12	1

2-3/8" SSA SNAP-OUT SEAL ASSEMBLY

COMPLETE ASSEMBLY

23SSA.1001

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	23SSA01	1
2	O-RING	050-90-219	1
3	LATCH	23SSA03	1
4	KEY	HK1002	1
5	STINGER SUB BODY	23SSA02	1
6	O-RING	050-90-024	1
7	STINGER SEAL	43MS02	1
8	STINGER SUB	43MS12	1

2-7/8" SSA SNAP-OUT SEAL ASSEMBLY

COMPLETE ASSEMBLY

27SSA.1001

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	27SSA01	1
2	O-RING	050-90-225	1
3	LATCH	27SSA03	1
4	KEY, 1/4 X 1/4 X 2-1/2	HK1005	1
5	STINGER SUB BODY	27SSA02	1
6	O-RING	050-90-030	1
7	STINGER SEAL	47MS02	1
8	STINGER SUB	47MS12	1

**RAK WIRELINE ADAPTER KITS
FOR PCR CEMENT RETAINERS**

ITEM	DESCRIPTION	PART #	NO. REQ'D.
	4-1/2" COMPLETE ASSEMBLY	43RAK	
1	SETTING SLEEVE	43RAK01	1
2	TENSION MANDREL	43RAK02	1
3	LOCK SPRING	43RAK04	1
	5" & 5-1/2" COMPLETE ASSEMBLY	45RAK	
1	SETTING SLEEVE	45RAK01	1
2	TENSION MANDREL	45RAK02	1
3	ADJUSTER SUB	45RAK03	1
4	LOCK SPRING	45RAK04	1
5	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	1
	6-5/8" & 7" COMPLETE ASSEMBLY	47RAK	
1	SETTING SLEEVE	47RAK01	1
2	TENSION MANDREL	47RAK02	1
3	ADJUSTER SUB	45RAK03	1
4	LOCK SPRING	45RAK04	1
5	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	1
	7-5/8" COMPLETE ASSEMBLY	48RAK	
1	SETTING SLEEVE	48RAK01	1
2	TENSION MANDREL	47RAK02	1
3	ADJUSTER SUB	45RAK03	1
4	LOCK SPRING	45RAK04	1
5	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	1
	8-5/8" COMPLETE ASSEMBLY	49RAK	
1	SETTING SLEEVE	49RAK01	1
2	TENSION MANDREL	47RAK02	1
3	ADJUSTER SUB	45RAK03	1
4	LOCK SPRING	45RAK04	1
5	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	1

**RAK WIRELINE ADAPTER KITS
FOR PCR CEMENT RETAINERS**

ITEM	DESCRIPTION	PART #	NO. REQ'D.
	9-5/8" COMPLETE ASSEMBLY	51RAK	
1	SETTING SLEEVE ASSEMBLY	51RAK01	1
2	TENSION MANDREL	47RAK02	1
3	ADJUSTER SUB	45RAK03	1
4	LOCK SPRING	45RAK04	1
5	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	1
	10-3/4" COMPLETE ASSEMBLY	53RAK	
1	SETTING SLEEVE ASSEMBLY	53RAK01	1
2	TENSION MANDREL	47RAK02	1
3	ADJUSTER SUB	45RAK03	1
4	LOCK SPRING	45RAK04	1
5	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	1
	13-3/8" COMPLETE ASSEMBLY	55RAK	
1	SETTING SLEEVE ASSEMBLY	55RAK01	1
2	TENSION MANDREL	47RAK02	1
3	ADJUSTER SUB	45RAK03	1
4	LOCK SPRING	45RAK04	1
5	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	1

TUBING STABILIZER

ITEM	DESCRIPTION	PART #	NO. REQ'D.
	2-3/8" STABILIZER - 3.795	23TC43	
	2-3/8" STABILIZER - 4.150	23TC44	
	2-3/8" STABILIZER - 4.545	23TC45	
	2-7/8" STABILIZER - 5.550	27TC46	
	2-7/8" STABILIZER - 5.795	27TC47	
	2-7/8" STABILIZER - 6.500	27TC48	
	2-7/8" STABILIZER - 7.380	27TC49	
	2-7/8" STABILIZER - 8.375	27TC51	
	2-7/8" STABILIZER - 9.500	27TC53	
	2-7/8" STABILIZER - 12.00	27TC55	