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Mechanical Production Packers

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4" PAD-1 TENSION PACKER

COMPLETE ASSEMBLY, 4"

41AD.10XX

CASING RANGE: A: 9.5 - 11.6#

STANDARD PACKING ELEMENT IS 60 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER, TUBING SIZE AND SHEAR RING VALUE AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	41AD02-23	1
2	O-RING	050-90-228	2
3	SOC. CAP SCREW, 10-32 X 1-1/4	HC1034	4
4	J-PIN	41AD05	1
5	SLIP STOP RING	41AD08-A	1
6	SLIP SPRING	41AD06	14
7	SLIP RETAINING RING	41AD07-A	1
8	SLIP RING	41AD10-A	1
9	SLIP, 9.5 - 11.6#	41AD09-A	7
10	CONE, 9.5 - 11.6#	41AD11-A	1
11	PACKING ELEMENT, 60 DURO	41AD12-A60	1
12	GUIDE, 9.5 - 11.6#	41AD13-A	1
13	RETAINING RING	HR1014	1
14	SHEAR RING - 20K	41AD17-2	1
	SHEAR RING - 30K	41AD17-3	1
	SHEAR RING - 40K	41AD17-4	1
	SHEAR RING - 50K	41AD17-5	1
15	BODY	41AD15	1
16	BOTTOM SUB	41AD18-23	1

4-1/2" & 5" PAD-1 TENSION PACKER

COMPLETE ASSEMBLY, 4-1/2" X 2-3/8"
 COMPLETE ASSEMBLY, 4-1/2" X 2-7/8"
 COMPLETE ASSEMBLY, 5" X 2-3/8"
 COMPLETE ASSEMBLY, 5" X 2-7/8"

43AD.10XX
43AD.10XX
43AD.10XX
43AD.10XX

CASING RANGE: A: 9.5 - 13.5#
 B: 15.0 - 18.0#
 C: 11.5 - 15.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER, TUBING SIZE AND SHEAR RING VALUE AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	43AD02-23	1
	TOP SUB, 2-7/8 EU	43AD02-27	1
2	O-RING	050-90-227	1
3	SOC. CAP SCREW, 1/4-28 X 1-1/4	003-C4-020	4
4	J-PIN	43AD05	1
5	SLIP STOP RING	43AD08	1
6	SLIP SPRING	43AD06	6
7	SLIP RETAINING RING	43AD07	1
8	SLIP RING	43AD10	1
9	SLIP, 9.5 - 13.5#	43AD09-A	6
	SLIP, 15.0 - 18.0#	43AD09-B	6
	SLIP, 11.5 - 15.0#	43AD09-C	6
10	CONE, 9.5 - 13.5#	43AD11-A	1
	CONE, 15.0 - 18.0#	43AD11-B	1
	CONE, 11.5 - 15.0#	43AD11-C	1
11	PACKING ELEMENT		
	80 DURO	43AD12-A80	1
	80 DURO	43AD12-B80	1
	80 DURO	43AD12-C80	1
12	GUIDE, 9.5 - 13.5#	43AD13-A	1
	GUIDE, 15.0 - 18.0#	43AD13-B	1
	GUIDE, 11.5 - 15.0#	43AD13-C	1
13	RETAINING RING	HR1014	1
14	SHEAR RING - 20K	43AD17-2	1
	SHEAR RING - 30K	43AD17-3	1
	SHEAR RING - 40K	43AD17-4	1
	SHEAR RING - 50K	43AD17-5	1
15	BODY	43AD15	1
16	CROSS-OVER, 2-3/8 EU	23N23EX	1
	CROSS-OVER, 2-7/8 EU	23N27EX	1

5-1/2" PAD-1 TENSION PACKER

COMPLETE ASSEMBLY, 5-1/2" X 2-3/8"
COMPLETE ASSEMBLY, 5-1/2" X 2-7/8"

45AD.10XX
45AD.10XX

CASING RANGE: A2: 20.0 - 23.0#
A4: 15.5 - 20.0#
B: 13.0 - 15.5#

STANDARD PACKING ELEMENT IS 80 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER, TUBING SIZE AND SHEAR RING VALUE AT TIME OF ORDER.

SPECIAL ORDER*****

45AD09-A/B

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	45AD02-23	1
	TOP SUB, 2-7/8 EU	45AD02-27	1
2	O-RING	050-90-228	1
3	SOC. CAP SCREW, 5/16-18 X 1-1/4 NYLOK	HC1008N	4
4	J-PIN	45AD05	1
5	SLIP STOP RING	45AD08	1
6	SLIP SPRING	45AD06	12
7	SLIP RETAINING RING	45AD07	1
8	SLIP RING	45AD10	1
9	SLIP, 15.5 - 23.0#	45AD09-A	6
	SLIP, 13.0 - 15.5#	45AD09-B	6
10	CONE, 20.0 - 23.0#	45AD11-A2	1
	CONE, 15.5 - 20.0#	45AD11-A4	1
	CONE, 13.0 - 15.5#	45AD11-B	1
11	PACKING ELEMENT		
	80 DURO	45AD12-A80	1
	80 DURO	45AD12-B80	1
12	GUIDE, 20.0 - 23.0#	45AD13-A2	1
	GUIDE, 15.5 - 20.0#	45AD13-A4	1
	GUIDE, 13.0 - 15.5#	45AD13-B	1
13	RETAINING RING	HR1014	1
14	SHEAR RING - 20K	43AD17-2	1
	SHEAR RING - 30K	43AD17-3	1
	SHEAR RING - 40K	43AD17-4	1
	SHEAR RING - 50K	43AD17-5	1
15	BODY	45AD15	1
16	CROSS-OVER, 2-3/8 EU	23N23EX	1
	CROSS-OVER, 2-7/8 EU	23N27EX	1

5-1/2" PADL-1 TENSION PACKER (LARGE BORE)

COMPLETE ASSEMBLY

45ADL.10XX

CASING RANGE: B: 13.0 - 17.0#

3 1/2 CONNECTION

STANDARD PACKING ELEMENT IS 80 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER, TUBING SIZE AND SHEAR RING VALUE AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU	45ADL02-27	1
	TOP SUB, 3-1/2 EU	45ADL02-35	1
2	O-RING	050-90-236	1
3	SOC. CAP SCREW, 1/4-28 X 1-1/4	003-C4-020	4
4	J-PIN	43AD05	1
5	SLIP STOP RING	45ADL08	1
6	SLIP SPRING	43AD06	12
7	SLIP RETAINING RING	45ADL07	1
8	SLIP RING	45ADL10	1
9	SLIP	43AD09-A	6
10	CONE	45ADL11-B	1
11	PACKING ELEMENT, 80 DURO	45ADI12-B80	1
12	GUIDE	45ADL13-B	1
13	RETAINING RING	HR1013	1
14	SHEAR RING - 20K	45ADL17-2	1
	SHEAR RING - 30K	45ADL17-3	1
	SHEAR RING - 40K	45ADL17-4	1
	SHEAR RING - 50K	45ADL17-5	1
15	BODY	45ADL15	1
16	CROSS-OVER, 2-7/8 EU	35N27EX	1
	CROSS-OVER, 3-1/2 EU	35N35EX	1

7" PAD-1 TENSION PACKER

COMPLETE ASSEMBLY, 2-3/8" EU
COMPLETE ASSEMBLY, 2-7/8" EU

47AD.10XX
47AD.10XX

CASING RANGE: A2: 38.0#
A4: 32.0 - 35.0#
B2: 26.0 - 29.0#
B4: 23.0 - 26.0#
C2: 17.0 - 20.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER, TUBING SIZE AND SHEAR RING VALUE AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8" EU	47AD02-23	1
	TOP SUB, 2-7/8" EU	47AD02-27	1
2	O-RING	050-90-232	1
3	SOC. CAP SCREW, 5/16-18 X 1 1/2	HC1014	4
4	J-PIN	47AD05	1
5	SLIP STOP RING	47AD08	1
6	SLIP SPRING	45AD06	12
7	SLIP RETAINING RING	47AD07	1
8	SLIP RING	47AD10	1
9	SLIP, 38.0#, 32.0 - 35.0#	47AD09-A	6
	SLIP, 23.0 - 29.0#	47AD09-B	6
	SLIP, 17.0 - 20.0#	47AD09-C	6
10	CONE, 38.0#	47AD11-A2	1
	CONE, 32.0 - 35.0#	47AD11-A4	1
	CONE, 26.0 - 29.0#	47AD11-B2	1
	CONE, 23.0 - 26.0#	47AD11-B4	1
	CONE, 17.0 - 20.0#	47AD11-C2	1
11	PACKING ELEMENT		
	80 DURO	47AD12-A80	1
	80 DURO	47AD12-B80	1
	80 DURO	47AD12-C80	1
12	RETAINING RING	HR1012	1
13	GUIDE, 38.0#	47AD13-A2	1
	GUIDE, 32.0 - 35.0#	47AD13-A4	1
	GUIDE, 26.0 - 29.0#	47AD13-B2	1
	GUIDE, 23.0 - 26.0#	47AD13-B4	1
	GUIDE, 17.0 - 20.0#	47AD13-C2	1
14	SHEAR RING - 30K	47AD17-3	1
	SHEAR RING - 40K	47AD17-4	1
	SHEAR RING - 50K	47AD17-5	1
	SHEAR RING - 60K	47AD17-6	1
15	BODY	47AD15	1
16	CROSS-OVER	27N27EX	1

7-5/8" PAD-1 TENSION PACKER

COMPLETE ASSEMBLY

47AD.10XX

CASING RANGE: D2: 24.0 - 29.7#
D4: 20.0 - 24.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER, TUBING SIZE AND SHEAR RING VALUE AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	47AD02-27	1
2	O-RING	050-90-232	1
3	SOC. CAP SCREW, 5/16-18 X 1-1/2	HC1014	4
4	J-PIN	47AD05	1
5	SLIP STOP RING	47AD08	1
6	SLIP SPRING	45AD06	12
7	SLIP RETAINING RING	47AD07	1
8	SLIP RING	47AD10	1
9	SLIP, 33.7 - 39.0#	47AD09-C	6
	SLIP, 20.0 - 29.7#	47AD09-D	6
10	CONE, 33.7 - 39.0#	47AD11-C4	1
	CONE, 24.0 - 29.7#	47AD11-D2	1
	CONE, 20.0 - 24.0#	47AD11-D4	1
11	PACKING ELEMENT		
	80 DURO	47AD12-C80	1
	80 DURO	47AD12-D80	1
12	RETAINING RING	HR1012	1
13	GUIDE, 33.7 - 39.0#	47AD13-C4	1
	GUIDE, 20.0 - 29.7#	47AD13-D2	1
	GUIDE, 20.0 - 24.0#	47AD13-D4	1
14	SHEAR RING - 30K	47AD17-3	1
	SHEAR RING - 40K	47AD17-4	1
	SHEAR RING - 50K	47AD17-5	1
	SHEAR RING - 60K	47AD17-6	1
15	BODY	47AD15	1
16	CROSS-OVER	27N27EX	1

7" PADL-1 TENSION PACKER (LARGE BORE)

COMPLETE ASSEMBLY

47ADL.10XX

CASING RANGE:

B: 23.0 - 29.0#

C2: 17.0 - 20.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER, TUBING SIZE AND SHEAR RING VALUE AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8 8RD	47ADL02-35	1
2	O-RING	050-90-348	1
3	SOC. CAP SCREW, 5/16-18 X 1-1/4 NYLOK	HC1008N	4
4	J-Pin	43AD05	1
5	Slip Stop Ring	47ADL08	1
6	Slip Spring	43AD06	6
7	Slip Retaining Ring	47ADL07	1
8	Slip Ring	47ADL10	1
9	Slip, 23.0 - 29.0#	43AD09-A	6
	Slip, 17.0 - 20.0#	43AD09-B	6
10	Cone, 23.0 - 29.0#	47ADL11-B	1
	CONE, 17.0 - 20.0#	47ADL11-C2	1
11	Packing Element		
	80 DURO	47ADL12-B80	1
	80 DURO	47ADL12-C80	1
12	Guide, 23.0 - 29.0#	47ADL13-B	1
	GUIDE, 17.0 - 20.0#	47ADL13-C2	1
13	Retaining Ring	HR1019	1
14	Shear Ring - 20K	47ADL17-2	1
	SHEAR RING - 30K	47ADL17-3	1
	SHEAR RING - 40K	47ADL17-4	1
	SHEAR RING - 50K	47ADL17-5	1
15	Body	47ADL15	1
16	CROSS-OVER, 4-1/2 LTC X 3-1/2 EU	45L35EX	1

9 5/8" X 4 1/2" PAD-1 TENSION PACKER

COMPLETE ASSEMBLY

51AD.10XX

CASING RANGE: A2: 47.0 - 53.5#
A4: 40.0 - 47.0#
B: 29.3 - 36.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER, TUBING SIZE AND SHEAR RING VALUE AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 4 1/2" LTC	51AD02-45L	1
2	O-RING	050-90-427	1
3	SOC. CAP SCREW 1/2-13 X 1-1/2	HC1016N	4
4	J-PIN	49AD05	1
5	SLIP STOP RING	51AD08	1
6	SPRING	49AD06	16
7	SLIP RETAINING RING	51AD07	1
8	SLIP RING	51AD10	1
9	SLIP	49AD09-A	8
	SLIP	49AD09-B	8
10	CONE	51AD11-A2	1
	CONE	51AD11-A4	1
	CONE	51AD11-B	1
11	PACKING ELEMENT, 80 DURO	51AD12-A80	1
	PACKING ELEMENT, 80 DURO	51AD12-B80	1
12	GUIDE	51AD13-A2	1
	GUIDE	51AD13-A4	1
	GUIDE	51AD13-B	1
13	EXTERNAL 5100-500 TRUARC	HR1019	1
14	SHEAR RING, 50K	47ADL17-5	1
	SHEAR RING, 60K	47ADL17-6	1
15	MANDREL	51AD15	1
16	CROSS-OVER	45S45LX	1

4-1/2" & 5" PG SET-DOWN PACKER

COMPLETE ASSEMBLY

43SD.10XX

CASING RANGE: A: 9.5 - 13.5#
B: 15.0 - 18.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	43AD02-23	1
2	O-RING	050-90-227	1
3	MANDREL	43SD01	1
4	SOC. SET SCREW, 5/16-18 X 5/16	003-C5-005	1
5	GUIDE, 9.5 - 13.5#	43SD02-A	1
	GUIDE, 15.0 - 18.0#	43SD02-B	1
6	PACKING ELEMENT, 9.5 - 13.5#		
	60 DURO	43SD04-A60	1
	80 DURO	43SD04-A80	1
	PACKING ELEMENT, 11.5 - 18.0#		
	60 DURO	43SD04-B60	1
	80 DURO	43SD04-B80	1
7	CONE, 9.5 - 13.5#	43SD03-A	1
	CONE, 11.5 - 18.0#	43SD03-B	1
8	SLIP, 9.5 - 13.5#	43AD09-A	6
	SLIP, 11.5 - 18.0#	43AD09-B	6
9	SLIP SPRING	43AD06	6
10	SLIP RETAINING RING	43AD07	1
11	SLIP RING	43AD10	1
12	SLIP STOP RING	43AD08	1
13	J-PIN	43AD05	1
14	SOC. CAP SCREW, 1/4-28 X 1-1/4 NYLON	HC1013N	4

5-1/2" PG SET-DOWN PACKER

COMPLETE ASSEMBLY

45SD.10XX

CASING RANGE: A2: 20.0 - 23.0#
A4: 15.5 - 20.0#
B: 13.0 - 15.5#

STANDARD PACKING ELEMENT IS 80 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	45AD02-23	1
	TOP SUB, 2-7/8 EU	45AD02-27	1
2	O-RING	050-90-228	1
3	MANDREL	45SD01	1
4	SOC. SET SCREW, 5/16-18 X 5/16	003-C5-005	1
5	GUIDE, 20.0 - 23.0#	45SD02-A2	1
	GUIDE, 15.5 - 20.0#	45SD02-A4	1
	GUIDE, 13.0 - 15.5#	45SD02-B	1
6	PACKING ELEMENT, 15.5 - 23.0#		
	60 DURO	45SD04-A60	1
	80 DURO	45SD04-A80	1
	PACKING ELEMENT, 13.0 - 15.5#		
	60 DURO	45SD04-B60	1
	80 DURO	45SD04-B80	1
7	CONE, 20.0 - 23.0#	45SD03-A2	1
	CONE, 15.5 - 20.0#	45SD03-A4	1
	CONE, 13.0 - 15.5#	45SD03-B	1
8	SLIP, 15.5 - 23.0#	45AD09-A	6
	SLIP, 13.0 - 15.5#	45AD09-B	6
9	SLIP SPRING	45AD06	12
10	SLIP RETAINING RING	45AD07	1
11	SLIP RING	45AD10	1
12	SLIP STOP RING	45AD08	1
13	J-PIN	45AD05	1
14	SOC. CAP SCREW, 5/16-18 X 1 1/4 NYLOK	HC1008N	4

7" PG SET-DOWN PACKER

COMPLETE ASSEMBLY

47SD.10XX

CASING RANGE: A2: 38.0#
A4: 32.0 - 35.0#
B2: 26.0 - 29.0#
B4: 20.0 - 26.0#
C2: 17.0 - 20.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU	47AD02-27	1
2	O-RING	050-90-232	1
3	MANDREL	47SD01	1
4	SOC. SET SCREW, 5/16-18 X 5/16	003-C5-005	1
5	GUIDE, 38.0#	47SD02-A2	1
	GUIDE, 32.0 - 35.0#	47SD02-A4	1
	GUIDE, 26.0 - 29.0#	47SD02-B2	1
	GUIDE, 20.0 - 26.0#	47SD02-B4	1
	GUIDE, 17.0 - 20.0#	47SD02-C2	1
6	PACKING ELEMENT		
	80 DURO	47SD04-A80	1
	80 DURO	47SD04-B80	1
	80 DURO	47SD04-C80	1
7	CONE, 38.0#	47SD03-A2	1
	CONE, 32.0 - 35.0#	47SD03-A4	1
	CONE, 26.0 - 29.0#	47SD03-B2	1
	CONE, 20.0 - 26.0#	47SD03-B4	1
	CONE, 17.0 - 20.0#	47SD03-C2	1
8	SLIP, 32.0 - 35.0#, 38.0#	47AD09-A	6
	SLIP, 20.0 - 29.0#	47AD09-B	6
	SLIP, 17.0 - 20.0#	47AD09-C	6
9	SLIP SPRING	45AD06	12
10	SLIP RETAINING RING	47AD07	1
11	SLIP RING	47AD10	1
12	SLIP STOP RING	47AD08	1
13	J-PIN	47AD05	1
14	SOC. CAP SCREW, 5/16-18 X 1 1/2 NYLOK	HC1014N	4

4-1/2" X 2-3/8" CASING PACKER

COMPLETE ASSEMBLY

440-35-000

CASING RANGE: 15.1#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING, 2-3/8 EU 8RD	400-45-620	1
2	MANDREL/J-BODY ASSEMBLY	440-35-215	1
3	SLIP	440-35-110	3
4	CONE	440-35-410	1
5	PACKING ELEMENT, 80 DURO	440-35-512	1
6	BOTTOM SUB ASSEMBLY	440-35-610	1
7	SLIP ARM	440-00-910	3
8	DRAG SPRING	440-70-910	3
9	BUTTON HEAD CAP SCREW, 5/16-18 X 5/16	004-C5-005	18

4-1/2" X 2-7/8" CASING PACKER

COMPLETE ASSEMBLY

440-45

CASING RANGE: 9.5 - 13.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING, 2-7/8 EU 8RD	405-70-620	1
2	MANDREL/J-BODY ASSEMBLY	440-45-210	1
3	SLIP	440-45-110	3
4	CONE	440-45-410	1
5	BOTTOM SUB ASSEMBLY	440-45-610	1
6	PACKING ELEMENT, 80 DURO	440-45-512	1
7	SLIP ARM	440-00-910	3
8	DRAG SPRING	440-70-910	3
9	BUTTON HEAD CAP SCREW, 5/16-18 X 5/16	004-C5-005	18
10	WASHER	015-05-000	6

5-1/2 X 3-1/2" CASING PACKER

COMPLETE ASSEMBLY

440-54

CASING RANGE: 20.0 - 23.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING, 3-1/2 EU 8RD	21BC-04	1
2	MANDREL/J-BODY ASSEMBLY	440-54-210	1
3	SLIP	440-55-110	3
4	SLIP ARM	440-00-910	6
5	DRAG SPRING	440-70-910	3
6	CONE	440-54-410	1
7	PACKING ELEMENT, 80 DURO	440-54-512	1
8	BOTTOM, 3-1/2 EU 8RD	440-54-620	1
9	BUTTON HEAD CAP SCREW, 5/16-18 X 3/8	004-C5-006	18

5-1/2" X 3-1/2" CASING PACKER

COMPLETE ASSEMBLY

440-55

CASING RANGE: 13.0 - 17.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING, J-55, 3-1/2 NU 10RD	11CC-05	1
2	MANDREL/J-BODY ASSEMBLY	440-55-210	1
3	SLIP	440-55-110	3
4	CONE	440-55-410	1
5	BOTTOM SUB ASSEMBLY	440-55-620	1
6	PACKING ELEMENT, 80 DURO	440-55-512	1
7	SLIP ARM	440-00-910	6
8	DRAG SPRING	440-70-910	3
9	BUTTON HEAD CAP SCREW, 5/16-18 X 5/16	004-C5-005	18

5-1/2 X 4" CASING PACKER

COMPLETE ASSEMBLY

440-56

CASING RANGE: 13.0 - 17.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING, 4" NU 8RD	440-56-620	1
2	MANDREL/J-BODY ASSEMBLY	440-56-210	1
3	SLIP	440-56-110	3
4	CONE	440-56-410	1
5	PACKING ELEMENT, 80 DURO	440-56-512	1
6	BOTTOM SUB	440-56-610	1
7	SLIP ARM	440-00-910	3
8	DRAG SPRING	310-70-920	3
9	BUTTON HEAD CAP SCREW, 5/16 -18 X 1/4	004-C5-004	18

7" X 4-1/2" CASING PACKER

COMPLETE ASSEMBLY

440-70

CASING RANGE: 17.0 - 38.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING, 4-1/2 LTC	11MM-01	1
2	MANDREL/J-BODY ASSEMBLY	440-70-210	1
3	SLIP	440-70-110	3
4	CONE	440-70-420	1
5	PACKING ELEMENT, 80 DURO	440-70-512	1
6	BOTTOM SUB ASSEMBLY	440-70-630	1
7	SLIP ARM	440-00-910	6
8	DRAG SPRING	440-70-910	3
9	BUTTON HEAD CAP SCREW, 5/16-18 X 5/16	004-C5-005	18

7" X 4-1/2" CASING PACKER

COMPLETE ASSEMBLY, TWO ELEMENT

440-70-001

CASING RANGE: 17.0 - 38.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING, 4-1/2 LTC	11MM-01	1
2	MANDREL ASSEMBLY	440-70-220	1
3	SLIP	440-70-110	3
4	CONE	440-70-420	1
5	PACKING ELEMENT, 60 DURO	440-70-510	2
6	RUBBER SPACER	440-70-840	1
7	BOTTOM SUB ASSEMBLY	440-70-630	1
8	SLIP ARM	440-00-910	6
9	DRAG SPRING	440-70-910	3
10	BUTTON HEAD CAP SCREW, 5/16-18 X 5/16	004-C5-005	18

2-7/8" X 1.900" PC-1 INVERTIBLE

COMPLETE ASSEMBLY

28PCI.1001

CASING RANGE: 6.4 - 6.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	28PCI01	1
2	SLIP STOP RING	28PCI03	1
3	SLIP SPRING, OUTER	28PCI06	4
4	SLIP SPRING, INNER	28PCI07	4
5	SLIP RING	28PCI08	1
6	SLIP	28PCI10-A	4
7	BODY	28PCI11	1
8	CONE	28PCI12-A	1
9	PACKING ELEMENT, 80 DURO	28PCI14-A80	1
10	BOTTOM SUB	28PCI17-A	1
11	SOC. SET SCREW, 1/4-20 X 3/16	003-C4-003	1
12	O-RING	050-90-026	1
13	O-RING	050-90-123	2

5-1/2" PC-1 TANDEM TENSION PACKER

COMPLETE ASSEMBLY

45PC.10XX

CASING RANGE: A4: 15.5 - 20.0#
B: 13.0 - 15.5#
BSP: 14.0#
D: 15.0 - 18.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.
PLEASE SPECIFY ANY OTHER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	J-SLOT MANDREL	45PC01	1
2	O-RING	050-90-332	2
3	UPPER GAGE RING, 15.5 - 20.0#	45PC03-A4	1
	UPPER GAGE RING, 13.0 - 15.5#	45PC03-B	1
	UPPER GAGE RING, 14.0#	45PC03-BSP	1
	UPPER GAGE RING, 15.0 - 18.0#	45PC03-D	1
4	J-PIN	45PC04	2
5	SHEAR SCREW, BRASS	HA1031B	1
6	PACKING ELEMENT, 80 DURO, 15.5 - 20.0#	45PC06-A80	1
	PACKING ELEMENT, 80 DURO, 13.0 - 15.5#	45PC06-B80	1
	PACKING ELEMENT, 80 DURO, 14.0#	45PC06-BSP80	1
	PACKING ELEMENT, 80 DURO, 15.0 - 18.0#	45PC06-C80	1
7	LOWER GAGE RING, 15.5 - 20.0#	45PC02-A4	1
	LOWER GAGE RING, 13.0 - 15.5#	45PC02-B	1
	LOWER GAGE RING, 14.0#	45PC02-BSP	1
	LOWER GAGE RING, 15.0 - 18.0#	45PC02-D	1
8	LOWER MANDREL	45PC05	1
9	O-RING	050-90-234	1

7" PC-1 TANDEM TENSION PACKER

COMPLETE ASSEMBLY

47PC.10XX

CASING RANGE: A2: 38.0#
A4: 32.0 - 35.0#
B2: 26.0 - 29.0#
B4: 23.0 - 26.0#
C2: 17.0 - 20.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.
PLEASE SPECIFY ANY OTHER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	J-SLOT MANDREL	47PC01	1
2	O-RING	050-90-337	2
3	UPPER GAGE RING, 38.0#	47PC03-A2	1
	UPPER GAGE RING, 32.0 - 35.0#	47PC03-A4	1
	UPPER GAGE RING, 26.0 - 29.0#	47PC03-B2	1
	UPPER GAGE RING, 23.0 - 26.0#	47PC03-B4	1
4	J-PIN	47PC04	2
5	SHEAR SCREW, BRASS	HA1031B	1
6	PACKING ELEMENT, 80 DURO	47PC06-A80	1
	PACKING ELEMENT, 80 DURO	47PC06-B80	1
7	LOWER GAGE RING, 38.0#	47PC02-A2	1
	LOWER GAGE RING, 32.0 - 35.0#	47PC02-A4	1
	LOWER GAGE RING, 26.0 - 29.0#	47PC02-B2	1
	LOWER GAGE RING, 23.0 - 26.0#	47PC02-B4	1
	LOWER GAGE RING, 17.0 - 20.0#	47PC02-C2	1
8	LOWER MANDREL	47PC05	1
9	O-RING	050-90-344	1

7-5/8" PC-1 TANDEM TENSION PACKER

COMPLETE ASSEMBLY

47PC.10XX

CASING RANGE: C4: 33.7 - 39.0#
D2: 24.0 - 29.7#
D4: 20.0 - 24.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.
PLEASE SPECIFY ANY OTHER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	J-SLOT MANDREL	47PC01	1
2	O-RING	050-90-337	2
3	UPPER GAGE RING, 33.7 - 39.0#	47PC03-C4	1
	UPPER GAGE RING, 24.0 - 29.7#	47PC03-D2	1
	UPPER GAGE RING, 20.0 - 24.0#	47PC03-D4	1
4	J-PIN	47PC04	2
5	SHEAR SCREW, BRASS	HA1031B	1
6	PACKING ELEMENT, 80 DURO	47PCR06-C480	1
	PACKING ELEMENT, 80 DURO	47PC06-D80	1
7	LOWER GAGE RING, 33.7 - 39.0#	47PC02-C4	1
	LOWER GAGE RING, 24.0 - 29.7#	47PC02-D2	1
	LOWER GAGE RING, 20.0 - 24.0#	47PC02-D4	1
8	LOWER MANDREL	47PC05	1
9	O-RING	050-90-344	1

8-5/8" PC-1 TANDEM TENSION PACKER

COMPLETE ASSEMBLY

49PC.10XX

CASING RANGE: A4: 32.0 - 40.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.
PLEASE SPECIFY ANY OTHER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	J-SLOT MANDREL	49PC01	1
2	O-RING	050-90-334	2
3	UPPER GAGE RING, 32.0 - 40.0#	49PC03-A4	1
4	J-PIN		2
5	SHEAR SCREW, BRASS	HA1039B	1
6	PACKING ELEMENT, 80 DURO	49PC06-A80	1
7	LOWER GAGE RING, 32.0 - 40.0#	49PC02-A2	1
8	LOWER MANDREL	49PC05	1
9	O-RING	050-90-427	1

9-5/8" PC-1 TANDEM TENSION PACKER

COMPLETE ASSEMBLY

51PC.10XX

CASING RANGE: A2: 47.0 - 53.5#
A4: 40.0 - 47.0#
B: 29.3 - 36.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.
PLEASE SPECIFY ANY OTHER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	J-SLOT MANDREL	51PC01	1
2	O-RING	050-90-341	2
3	UPPER GAGE RING, 47.0 - 53.5#	51PC03-A2	1
	UPPER GAGE RING, 40.0 - 47.0#	51PC03-A4	1
	UPPER GAGE RING, 29.3 - 36.0#	51PC03-B	1
4	J-PIN	51PC04	2
5	SHEAR SCREW, BRASS	HA1031B	6
6	PACKING ELEMENT		
	80 DURO	51AD12-A80	1
	80 DURO	51AD12-B80	1
7	LOWER GAGE RING, 47.0 - 53.5#	51PC02-A2	1
	LOWER GAGE RING, 40.0 - 47.0#	51PC02-A4	1
	LOWER GAGE RING, 29.3 - 36.0#	51PC02-B	1
8	LOWER MANDREL	51PC05	1
9	O-RING	050-90-351	1
10	TOP SUB	47PCL07	1
11	O-RING	050-90-348	1
12	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	1

7" PCL-1 TANDEM TENSION PACKER (LARGE BORE)

COMPLETE ASSEMBLY

47PCL.10XX

CASING RANGE: B: 20.0 - 29.0#
C2: 17.0 - 20.0#

STANDARD PACKING ELEMENT IS 80 DUROMETER.
PLEASE SPECIFY ANY OTHER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	J-SLOT MANDREL	47PCL01	1
2	O-RING	050-90-341	2
3	UPPER GAGE RING, 20.0 - 29.0#	47PCL03-B	1
	UPPER GAGE RING, 17.0 - 20.0#	47PCL03-C2	1
4	J-PIN	47PCL04	2
5	SHEAR SCREW, BRASS	HA1031B	6
6	PACKING ELEMENT		
	80 DURO	47ADL12-B80	1
	80 DURO	47ADL12-C280	1
7	LOWER GAGE RING, 20.0 - 29.0#	47PCL02-B	1
	LOWER GAGE RING, 17.0 - 20.0#	47PCL02-C2	1
8	LOWER MANDREL	47PCL05	1
9	O-RING	050-90-348	2
10	TOP SUB	47PCL07	1
11	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	1

4-1/2" X 2-3/8" S-1 TANDEM PACKER

COMPLETE ASSEMBLY

437-45

CASING RANGE: 9.5 - 13.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	J-SLOT BODY	437-45-310	1
2	MANDREL	437-45-210	1
3	CENTRAL BODY SLEEVE	437-45-370	1
4	PACKING ELEMENT, 80 DURO	437-45-512	1
5	RUBBER RETAINER	437-45-850	1
6	SHEAR SCREW, BRASS	B20-C4-004	8
7	O-RING	050-90-227	2
8	TENSION SCREW	437-45-325	2

5" X 2-3/8" S-1 TANDEM PACKER

COMPLETE ASSEMBLY

437-50

CASING RANGE: 11.5 - 15.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	J-SLOT BODY	437-45-310	1
2	MANDREL	437-45-210	1
3	CENTRAL BODY SLEEVE	437-50-370	1
4	PACKING ELEMENT, 80 DURO	437-50-512	1
5	RUBBER RETAINER	437-50-850	1
6	O-RING	050-90-227	2
7	TENSION SCREW	437-45-325	2
8	SHEAR SCREW, BRASS	B20-C4-004	8

4-1/2" & 5" PR-3 DOUBLE GRIP PACKER

COMPLETE ASSEMBLY

43RD.10XX

CASING RANGE: A: 9.5 - 13.5#
B: 15.0 - 18.0#
C: 11.5 - 15.0#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	43R02-23	1
	TOP SUB, 2-7/8 EU	43R02-27	1
2	SEAL ADJUSTING NUT	43R03	1
3	SEAL	43R04	1
4	MANDREL	43R05	1
	MANDREL, SHORT BODY	43R05-S	1
5	BALANCE SLEEVE	43R06	1
6	BALANCE SLEEVE HOUSING	43R07	1
7	O-RING	050-90-234	1
8	BALANCE SLEEVE SPRING	43R08	1
9	O-RING	050-90-232	1
10	PISTON RETAINER	43R09	4
11	FLAT HEAD SCREW, 10-32 X 3/8	005-02-006	12
12	PISTON, 9.5 - 13.5#	43R10-A	8
	PISTON, 15.0 - 18.0#	43R10-B	8
	PISTON, 11.5 - 15.0#	43R10-C	8
13	O-RING	050-90-125	8
14	PISTON SPRING	43R11	16
15	O-RING	050-90-146	1
16	RECEPTACLE	43R12	1
17	GAGE RING, 9.5 - 13.5#	43R13-A	1
	GAGE RING, 15.0 - 18.0#	43R13-B	1
	GAGE RING, 11.5 - 15.0#	43R13-C	1
18	PACKING ELEMENT, END		
	90 DURO, 9.5 - 13.5#	43R14-A90	2
	90 DURO, 15.0 - 18.0#	43R14-B90	2
	90 DURO, 11.5 - 15.0#	43R14-C90	2
19	ELEMENT SPACER, 9.5 - 13.5#	43R15-A	2
	ELEMENT SPACER, 15.0 - 18.0#	43R15-B	2
	ELEMENT SPACER, 11.5 - 15.0#	43R15-C	2
20	PACKING ELEMENT, CENTER		
	70 DURO, 9.5 - 13.5#	43R16-A70	1
	70 DURO, 15.0 - 18.0#	43R16-B70	1
	70 DURO, 11.5 - 15.0#	43R16-C70	1

21	GUIDE RING, 9.5 - 13.5#	43R17-A	1
	GUIDE RING, 15.0 - 18.0#	43R17-B	1
	GUIDE RING, 11.5 - 15.0#	43R17-C	1
22	SUPPORT SLEEVE	43R18	1
23	CONNECTOR SLEEVE	43R19	1
24	CONE	43R20	1
25	SLIP, 9.5 - 13.5#	43AD09-A	6
	SLIP, 15.0 - 18.0#	43AD09-B	6
	SLIP, 11.5 - 15.0#	43AD09-C	6
26	SLIP RETAINING RING	43AD07	1
27	SLIP SPRING	43AD06	6
28	SLIP RING	43R24	1
29	SLIP STOP RING	43R25	1
30	BOTTOM SUB, 2-3/8 EU	43R26	1
	BOTTOM SUB, 2-7/8 EU	43R26-27	1
31	SPLIT RING	43R27	1
32	SOC. SET SCREW, 1/4-20 X 1/2 HALF DOG	HA1001HD	2
33	CONNECTOR SLEEVE NUT	43R28	1

5-1/2" PR-3 DOUBLE GRIP PACKER

COMPLETE ASSEMBLY

45RD.10XX

CASING RANGE: A2: 20.0 - 23.0#
A4: 15.5 - 20.0#
B: 13.0 - 15.5#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	43R02-23	1
	TOP SUB, 2-7/8 EU	43R02-27	1
2	SEAL ADJUSTING NUT	43R03	1
3	SEAL	43R04	1
4	MANDREL	45R05	1
	MANDREL, SHORT BODY	45R05-S	1
5	BALANCE SLEEVE	45R06	1
6	BALANCE SLEEVE HOUSING	45R07	1
7	O-RING	050-90-340	1
8	BALANCE SLEEVE SPRING	45R08	1
9	O-RING	050-90-337	1
10	PISTON RETAINER	45R09	3
11	FLAT HEAD SCREW, 5/16-18 X 1/2	HB1002	9
12	PISTON, 15.5 - 23.0#	45R10-A	6
	PISTON, 13.0 - 15.5#	45R10-B	6
13	O-RING	050-90-224	6
14	PISTON SPRING	45R11	12
15	O-RING	050-90-234	1
16	RECEPTACLE	45R12	1
17	GAGE RING, 20.0 - 23.0#	45R13-A2	1
	GAGE RING, 15.5 - 20.0#	45R13-A4	1
	GAGE RING, 13.0 - 15.5#	45R13-B	1
18	PACKING ELEMENT, END		
	90 DURO, 15.5 - 23.0#	45R14-A90	2
	90 DURO, 13.0 - 15.5#	45R14-B90	2
19	ELEMENT SPACER, 15.5 - 23.0#	45R15-A	2
	ELEMENT SPACER, 13.0 - 15.5#	45R15-B	2
20	PACKING ELEMENT, CENTER		
	70 DURO, 15.5 - 23.0#	45R16-A70	1
	70 DURO, 13.0 - 15.5#	45R16-B70	1

Wholesale Product List

21	GUIDE RING, 20.0 - 23.0#	45R17-A2	1
	GUIDE RING, 15.5 - 20.0#	45R17-A4	1
	GUIDE RING, 13.0 - 15.5#	45R17-B	1
22	SUPPORT SLEEVE	45R18	1
23	CONNECTOR SLEEVE	45R19	1
24	CONE	45R20	1
25	SLIP, 15.5 - 23.0#	45AD09-A	6
	SLIP 14-17#	45AD09-AB	6
	SLIP, 13.0 - 15.5#	45AD09-B	6
26	SLIP RETAINING RING	45AD07	1
27	SLIP SPRING	45AD06	12
28	SLIP RING	45R24	1
29	SLIP STOP RING	45R25	1
30	SNAP RING	45R27	1
31	SOC. CAP SCREW, 5/16-18 X 1 1/4 NYLOK	HC1008N	2
32	BOTTOM SUB, 2-3/8 EU	43R26	1
	BOTTOM SUB, 2-7/8 EU	43R26-27	1

5-1/2" PR-3 DOUBLE GRIP PACKER (LARGE BORE)

COMPLETE ASSEMBLY

45RDL.10XX

CASING RANGE: A4: 17.0 - 20.0#
B: 13.0 - 15.5#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU	47R02	1
2	SEAL ADJUSTING NUT	47R03	1
3	SEAL	47R04	1
4	MANDREL	45RDL05	1
5	BALANCE SLEEVE	45RDL06	1
6	BALANCE SLEEVE HOUSING	45RDL07	1
7	O-RING	050-90-342	1
8	BALANCE SLEEVE SPRING	45RDL08	1
9	O-RING	050-90-339	1
10	PISTON RETAINER	45R09	3
11	FLAT HEAD SCREW, 5/16-18 X 5/8	005-C5-010	9
12	PISTON, 13 - 20.0#	45RDL10	6
13	O-RING	050-90-224	6
14	PISTON SPRING	45R11	12
15	O-RING	050-90-234	1
16	RECEPTACLE	45RDL12	1
17	GAGE RING, 17.0 - 20.0#	45R13-A4	1
	GAGE RING, 13.0 - 15.5#	45R13-B	1
18	PACKING ELEMENT, END		
	90 DURO, 17.0 - 20.0#	45RL14-A90	2
	90 DURO, 13.0 - 15.5#	45RL14-B90	2
19	ELEMENT SPACER, 17.0 - 20.0#	45RL15-A	2
	ELEMENT SPACER, 13.0 - 15.5#	45RL15-B	2

Wholesale Product List

20	PACKING ELEMENT, CENTER 70 DURO, 17.0 - 20.0#	45RL16-A70	1
	70 DURO, 13.0 - 15.5#	45RL16-B70	1
21	GUIDE RING, 17.0 - 20.0#	45RL17-A4	1
	GUIDE RING, 13.0 - 15.5#	45RL17-B	1
22	SUPPORT SLEEVE	45RL18	1
23	CONNECTOR SLEEVE	45RL19	1
24	CONE	45RL20	1
25	SLIP, 17.0 - 20.0#	43AD09-A	6
	SLIP, 13.0 - 15.5#	43AD09-B	6
26	SLIP RETAINING RING	45RL21	1
27	SLIP SPRING	43AD06	6
28	SLIP RING	45RL24	1
29	SLIP STOP RING	45RL25	1
30	SNAP RING	45RL26	1
31	BOTTOM SUB, 2-7/8 EU	45RL27	1
32	SPLIT RING	45RL29	1
33	SOC. SET SCREW, 1/4-20 X 1/2 HALF DOG	HA1001HD	2

7" PR-3 DOUBLE GRIP PACKER

COMPLETE ASSEMBLY

47RD.10XX

CASING RANGE:

A2: 38.0#

A4: 32.0 - 35.0#

B2: 26.0 - 29.0#

B4: 23.0 - 26.0#

C2: 17.0 - 20.0#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	47R02-23	1
	TOP SUB, 2-7/8 EU	47R02	1
2	SEAL ADJUSTING NUT	47R03	1
3	SEAL	47R04	1
4	MANDREL	47R05	1
5	BALANCE SLEEVE	47R06	1
6	BALANCE SLEEVE HOUSING	47R07	1
7	O-RING	050-90-346	1
8	BALANCE SLEEVE SPRING	47R08	1
9	O-RING	050-90-342	1
10	PISTON RETAINER	47R09	3
11	FLAT HEAD SCREW, 5/16-18 X 5/8	005-C5-010	9
12	PISTON, 32 - 38.0#	47R10-A	6
	PISTON, 23.0 - 29.0#	47R10-B	6
	PISTON, 17.0 - 20.0#	47R10-C	6
13	O-RING	050-90-230	6
14	PISTON SPRING, 23 - 38.0#	47R11	12
	PISTON SPRING, 17.0 - 20.0#	45AD06	12
15	O-RING	050-90-241	1
16	RECEPTACLE	47R12	1

17	GAGE RING, 38.0#	47R13-A2	1
	GAGE RING, 32.0 - 35.0#	47R13-A4	1
	GAGE RING, 26.0 - 29.0#	47R13-B2	1
	GAGE RING, 23.0 - 26.0#	47R13-B4	1
	GAGE RING, 17.0 - 20.0#	47R13-C2	1
18	PACKING ELEMENT, END		
	90 DURO, 32.0 - 38.0#	47R14-A90	2
	90 DURO, 23.0 - 29.0#	47R14-B90	2
	90 DURO, 17.0 - 20.0#	47R14-C90	2
19	ELEMENT SPACER, 32.0 - 38.0#	47R15-A	2
	ELEMENT SPACER, 23.0 - 29.0#	47R15-B	2
	ELEMENT SPACER, 17.0 - 20.0#	47R15-C	2
20	PACKING ELEMENT, CENTER		
	70 DURO, 32.0 - 38.0#	47R16-A70	1
	70 DURO, 23.0 - 29.0#	47R16-B70	1
	70 DURO, 17.0 - 20.0#	47R16-C70	1

21	GUIDE RING, 38.0#	47R17-A2	1
	GUIDE RING, 32.0 - 35.0#	47R17-A4	1
	GUIDE RING, 26.0 - 29.0#	47R17-B2	1
	GUIDE RING, 23.0 - 26.0#	47R17-B4	1
	GUIDE RING, 17.0 - 20.0#	47R17-C2	1
22	SUPPORT SLEEVE	47R18	1
23	CONNECTOR SLEEVE	47R19	1
24	CONE	47R20	1
25	SLIP, 32.0 - 38.0#	47AD09-A	6
	SLIP, 23.0 - 29.0#	47AD09-B	6
	SLIP, 17.0 - 20.0#	47AD09-C	6
26	SLIP RETAINING RING	47AD07	1
27	SLIP SPRING	45AD06	12
28	SLIP RING	47R24	1
29	SLIP STOP RING	47R25	1
30	SNAP RING	47R26	1
31	SOC. CAP SCREW, 5/16-18 X 1 1/2 NYLOK	HC1014N	2
32	BOTTOM SUB, 2-3/8 EU	47R27-23	1
	BOTTOM SUB, 2-7/8 EU	47R27-27	1

7-5/8" PR-3 DOUBLE GRIP PACKER

COMPLETE ASSEMBLY

47RD.10XX

CASING RANGE: C4: 33.7 - 39.0#
D2: 24.0 - 29.7#
D4: 20.0 - 24.0#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU	47R02	1
2	SEAL ADJUSTING NUT	47R03	1
3	SEAL	47R04	1
4	MANDREL	47R05	1
5	BALANCE SLEEVE	47R06	1
6	BALANCE SLEEVE HOUSING	47R07	1
7	O-RING	050-90-346	1
8	BALANCE SLEEVE SPRING	47R08	1
9	O-RING	050-90-342	1
10	PISTON RETAINER	48R09	3
11	FLAT HEAD SCREW, 5/16-18 X 5/8	005-C5-010	9
12	PISTON, 33.7 - 39.0#	47R10-C	6
13	O-RING	050-90-230	6
14	PISTON SPRING	45AD06	24
15	O-RING	050-90-241	1
16	RECEPTACLE	48R12	1
17	GAGE RING, 33.7 - 39.0#	47R13-C4	1
	GAGE RING, 24.0 - 29.7#	47R13-D2	1
	GAGE RING, 20.0 - 24.0#	47R13-D4	1
18	PACKING ELEMENT, END		
	90 DURO, 33.7 - 39.0#	47R14-C90	2
	90 DURO, 20 - 29.7#	47R14-D90	2

19	ELEMENT SPACER, 33.7 - 39.0#	47R15-C	2
	ELEMENT SPACER, 20 - 29.7#	47R15-D	2
20	PACKING ELEMENT, CENTER		
	70 DURO, 33.7 - 39.0#	47R16-C70	1
	70 DURO, 20 - 29.7#	47R16-D70	1
21	GUIDE RING, 33.7 - 39.0#	47R17-C4	1
	GUIDE RING, 24.0 - 29.7#	47R17-D2	1
	GUIDE RING, 20.0 - 24.0#	47R17-D4	1
22	SUPPORT SLEEVE	47R18	1
23	CONNECTOR SLEEVE	47R19	1
24	CONE	47R20	1
25	SLIP, 33.7 - 39.0#	47AD09-C	6
	SLIP, 20 - 29.7#	47AD09-D	6
26	SLIP RETAINING RING	47AD07	1
27	SLIP RING	47R24	1
28	SLIP STOP RING	47R25	1
29	SNAP RING	47R26	1
30	SOC. CAP SCREW, 5/16-18 X 1 1/2 NYLOK	HC1014N	2
31	BOTTOM SUB, 2-7/8 EU	47R27-27	1

9-5/8" PR-3 DOUBLE GRIP PACKER

COMPLETE ASSEMBLY

51RD.10XX

CASING RANGE: A2: 47.0 - 53.5#
A4: 40.0 - 47.0#
B: 29.3 - 36.0#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU	51R02-35	1
	TOP SUB, 4-1/2 EU	51R02-45	1
2	SEAL ADJUSTING NUT	51R03	1
3	SEAL	51R04	1
4	MANDREL	51R05	1
5	BALANCE SLEEVE	51R06	1
6	BALANCE SLEEVE HOUSING	51R07	1
7	O-RING	050-90-440	1
8	BALANCE SLEEVE SPRING	51R08	1
9	O-RING	050-90-432	1
10	PISTON RETAINER	51R09	4
11	FLAT HEAD SCREW, 5/16-18 X 5/8	005-C5-010	12
12	PISTON	51R10	8
13	O-RING	050-90-238	8
14	PISTON SPRING	51R11	24
15	O-RING	050-90-436	1
16	RECEPTACLE	51R12	1
17	PACKING ELEMENT, END		
	90 DURO, 40.0 - 53.5#	51R14-A90	2
	90 DURO, 29.3 - 36.0#	51R14-B90	2
18	ELEMENT SPACER, 40.0 - 53.5#	51R15-A	2
	ELEMENT SPACER, 29.3 - 36.0#	51R15-B	2

19	PACKING ELEMENT, CENTER 70 DURO, 40.0 - 53.5#	51R16-A70	1
	70 DURO, 29.3 - 36.0#	51R16-B70	1
20	GUIDE RING, 47.0 - 53.5#	51R17-A2	2
	GUIDE RING, 40.0 - 47.0#	51R17-A4	2
	GUIDE RING, 29.3 - 36.0#	51R17-B	2
21	SUPPORT SLEEVE	51R18	1
22	CONNECTOR SLEEVE	51R19	1
23	CONE	51R20	1
24	SLIP, 40 - 53.5#	49AD09-A	8
	SLIP, 29.3 - 36.0#	49AD09-B	8
25	SLIP RETAINING RING	51AD07	1
26	SLIP SPRING	49AD06	16
27	SLIP RING	51AD10	1
28	SLIP STOP RING	51R25	1
29	SNAP RING	51R26	1
30	SOC. CAP SCREW, 1/2-13 X 1 1/2 NYLOK	HC1015N	4
31	BOTTOM SUB, 3-1/2 EU	51R27-35	1
32	SOC. SET SCREW, 1/4-20 X 1/4	HA1007	1
33	JAY ASSEMBLY	51R32	1

PR-3 DOUBLE GRIP PACKER ELASTOMER REDRESS KIT

4-1/2" PR-3 DOUBLE GRIP ELASTOMER REDRESS KIT	43RD.K0XX
5" PR-3 DOUBLE GRIP ELASTOMER REDRESS KIT	43RD.K0XX
5-1/2" PR-3 DOUBLE GRIP ELASTOMER REDRESS KIT	45RD.K0XX
5-1/2" LARGE BORE PR-3 DOUBLE GRIP ELASTOMER REDRESS KIT	45RDL.K0XX
7" PR-3 DOUBLE GRIP ELASTOMER REDRESS KIT	47RD.K0XX
7-5/8" PR-3 DOUBLE GRIP ELASTOMER REDRESS KIT	47RD.K0XX
9-5/8" PR-3 DOUBLE GRIP ELASTOMER REDRESS KIT	51RD.K0XX

* STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDERING.

4-1/2" & 5" PR-3 SINGLE GRIP PACKER

COMPLETE ASSEMBLY

43RS.10XX

CASING RANGE: A: 9.5 - 13.5#
B: 15.0 - 18.0#
C: 11.5 - 15.0#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	43R02	1
	TOP SUB, 2-7/8 EU	43R02-27	1
2	SEAL ADJUSTING NUT	43R03	1
3	SEAL	43R04	1
4	MANDREL	43RS01	1
5	SEAL SUB	43RS02	1
6	O-RING	050-90-146	1
7	GAGE RING, 9.5 - 13.5#	43R13-A	1
	GAGE RING, 15.0 - 18.0#	43R13-B	1
	GAGE RING, 11.5 - 15.0#	43R13-C	1
8	PACKING ELEMENT, END		
	90 DURO, 9.5 - 13.5#	43R14-A90	2
	90 DURO, 15.0 - 18.0#	43R14-B90	2
	90 DURO, 11.5 - 15.0#	43R14-C90	2
9	ELEMENT SPACER, 9.5 - 13.5#	43R15-A	2
	ELEMENT SPACER, 15.0 - 18.0#	43R15-B	2
	ELEMENT SPACER, 11.5 - 15.0#	43R15-C	2
10	PACKING ELEMENT, CENTER		
	70 DURO, 9.5 - 13.5#	43R16-A70	1
	70 DURO, 15.0 - 18.0#	43R16-B70	1
	70 DURO, 11.5 - 15.0#	43R16-C70	1

Wholesale Product List

11	GUIDE RING, 9.5 - 13.5#	43R17-A	1
	GUIDE RING, 15.0 - 18.0#	43R17-B	1
	GUIDE RING, 11.5 - 15.0#	43R17-C	1
12	SUPPORT SLEEVE	43R18	1
13	CONNECTOR SLEEVE	43R19	1
14	CONE	43R20	1
15	SLIP, 9.5 - 13.5#	43AD09-A	6
	SLIP, 15.0 - 18.0#	43AD09-B	6
	SLIP, 11.5 - 15.0#	43AD09-C	6
16	SLIP RETAINING RING	43AD07	1
17	SLIP SPRING	43AD06	6
18	SLIP RING	43R24	1
19	SLIP STOP RING	43R25	1
20	BOTTOM SUB, 2-3/8 EU	43R26	1
	BOTTOM SUB, 2-7/8 EU	43R26-27	1
21	SPLIT RING	43R27	1
22	SOC. SET SCREW, 1/4-20 X 1/2 HALF DOG	HA1001HD	2
23	CONNECTOR SLEEVE NUT	43R28	1

5-1/2" PR-3 SINGLE GRIP PACKER

COMPLETE ASSEMBLY

45RS.10XX

CASING RANGE: A2: 20.0 - 23.0#
A4: 15.5 - 20.0#
B: 13.0 - 15.5#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU	43R02	1
	TOP SUB, 2-7/8 EU	43R02-27	1
2	SEAL ADJUSTING NUT	43R03	1
3	SEAL	43R04	1
4	MANDREL	45RS01	1
5	SEAL SUB	45RS02	1
6	O-RING	050-90-234	1
7	GAGE RING, 20.0 - 23.0#	45R13-A2	1
	GAGE RING, 15.5 - 20.0#	45R13-A4	1
	GAGE RING, 13.0 - 15.5#	45R13-B	1
8	PACKING ELEMENT, END		
	90 DURO, 15.5 - 23.0#	45R14-A90	2
	90 DURO, 13.0 - 15.5#	45R14-B90	2
9	ELEMENT SPACER, 15.5 - 23.0#	45R15-A	2
	ELEMENT SPACER, 13.0 - 15.5#	45R15-B	2
10	PACKING ELEMENT, CENTER		
	70 DURO, 15.5 - 23.0#	45R16-A70	1
	70 DURO, 13.0 - 15.5#	45R16-B70	1
11	GUIDE RING, 20.0 - 23.0#	45R17-A2	1
	GUIDE RING, 15.5 - 20.0#	45R17-A4	1
	GUIDE RING, 13.0 - 15.5#	45R17-B	1
12	SUPPORT SLEEVE	45R18	1
13	CONNECTOR SLEEVE	45R19	1
14	CONE	45R20	1
15	SLIP, 15.5 - 23.0#	45AD09-A	6
	SLIP, 13.0 - 15.5#	45AD09-B	6
16	SLIP RETAINING RING	45AD07	1
17	SLIP SPRING	45AD06	12
18	SLIP RING	45R24	1
19	SLIP STOP RING	45R25	1
20	SNAP RING	45R27	1
21	SOC. CAP SCREW, 5/16-18 X 1 1/4 NYLOK	HC1008N	2
22	BOTTOM SUB, 2-3/8 EU	43R26	1
	BOTTOM SUB, 2-7/8 EU	43R26-27	1

5-1/2" PR-3 SINGLE GRIP PACKER (LARGE BORE)

COMPLETE ASSEMBLY

45RSL.10XX

CASING RANGE: A4: 17.0 - 20.0#
B: 13.0 - 15.5#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU	47R02	1
2	SEAL ADJUSTING NUT	47R03	1
3	SEAL	47R04	1
4	MANDREL	45RSL01	1
5	SEAL SUB	45RSL02	1
6	O-RING	050-90-234	1
7	GAGE RING, 17.0 - 20.0#	45R13-A4	1
	GAGE RING, 13.0 - 15.5#	45R13-B	1
8	PACKING ELEMENT, END		
	90 DURO, 17.0 - 20.0#	45RL14-A90	2
	90 DURO, 13.0 - 15.5#	45RL14-B90	2
9	ELEMENT SPACER, 17.0 - 20.0#	45RL15-A	2
	ELEMENT SPACER, 13.0 - 15.5#	45RL15-B	2
10	PACKING ELEMENT, CENTER		
	70 DURO, 17.0 - 20.0#	45RL16-A70	1
	70 DURO, 13.0 - 15.5#	45RL16-B70	1
11	GUIDE RING, 17.0 - 20.0#	45RL17-A4	1
	GUIDE RING, 13.0 - 15.5#	45RL17-B	1
12	SUPPORT SLEEVE	45RL18	1
13	CONNECTOR SLEEVE	45RL19	1
14	CONE	45RL20	1
15	SLIP, 17.0 - 20.0#	43AD09-A	6
	SLIP, 13.0 - 15.5#	43AD09-B	6
16	SLIP RETAINING RING	45RL21	1
17	SLIP SPRING	45AD06	6
18	SLIP RING	45RL24	1
19	SLIP STOP RING	45RL25	1
20	SNAP RING	45RL26	1
21	BOTTOM SUB, 2-7/8 EU	45RL27	1
22	SPLIT RING	45RL29	1
23	SOC. SET SCREW, 1/4-20 X 1/2 HALF DOG	HA1001HD	2

7" PR-3 SINGLE GRIP PACKER

COMPLETE ASSEMBLY

47RS.10XX

CASING RANGE:

A2: 38.0#

A4: 32.0 - 35.0#

B2: 26.0 - 29.0#

B4: 23.0 - 26.0#

C2: 17.0 - 20.0#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.

PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU	47R02	1
2	SEAL ADJUSTING NUT	47R03	1
3	SEAL	47R04	1
4	MANDREL	47RS01	1
5	SEAL SUB	47RS02	1
6	O-RING	050-90-241	1
7	GAGE RING, 38.0#	47R13-A2	1
	GAGE RING, 32.0 - 35.0#	47R13-A4	1
	GAGE RING, 26.0 - 29.0#	47R13-B2	1
	GAGE RING, 23.0 - 26.0#	47R13-B4	1
	GAGE RING, 17.0 - 20.0#	47R13-C2	1
8	PACKING ELEMENT, END		
	90 DURO, 32.0 - 38.0#	47R14-A90	2
	90 DURO, 23.0 - 29.0#	47R14-B90	2
	90 DURO, 17.0 - 20.0#	47R14-C90	2
9	ELEMENT SPACER, 32.0 - 38.0#	47R15-A	2
	ELEMENT SPACER, 23.0 - 29.0#	47R15-B	2
	ELEMENT SPACER, 17.0 - 20.0#	47R15-C	2
10	PACKING ELEMENT, CENTER		
	70 DURO, 32.0 - 38.0#	47R16-A70	1
	70 DURO, 23.0 - 29.0#	47R16-B70	1
	70 DURO, 17.0 - 20.0#	47R16-C70	1

Wholesale Product List

11	GUIDE RING, 38.0#	47R17-A2	1
	GAGE RING, 32.0 - 35.0#	47R17-A4	1
	GAGE RING, 26.0 - 29.0#	47R17-B2	1
	GAGE RING, 23.0 - 26.0#	47R17-B4	1
	GAGE RING, 17.0 - 20.0#	47R17-C2	1
12	SUPPORT SLEEVE	47R18	1
13	CONNECTOR SLEEVE	47R19	1
14	CONE	47R20	1
15	SLIP, 32.0 - 38.0#	47AD09-A	6
	SLIP, 23.0 - 29.0#	47AD09-B	6
	SLIP, 17.0 - 20.0#	47AD09-C	6
16	SLIP RETAINING RING	47AD07	1
17	SLIP SPRING	45AD06	12
18	SLIP RING	47R24	1
19	SLIP STOP RING	47R25	1
20	SNAP RING	47R26	1
21	SOC. CAP SCREW, 5/16-18 X 1 1/2 NYLOK	HC1014N	2
22	BOTTOM SUB, 2-7/8 EU	47R27-27	1

7-5/8" PR-3 SINGLE GRIP PACKER

COMPLETE ASSEMBLY

47RS.10XX

CASING RANGE: C4: 33.7 - 39.0#
D2: 24.0 - 29.7#
D4: 20.0 - 24.0#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU	47R02	1
2	SEAL ADJUSTING NUT	47R03	1
3	SEAL	47R04	1
4	MANDREL	47RS01	1
5	SEAL SUB	47RS02	1
6	O-RING	050-90-241	1
7	GAGE RING, 33.7 - 39.0#	47R13-C4	1
	GAGE RING, 24.0 - 29.7#	47R13-D2	1
	GAGE RING, 20.0 - 24.0#	47R13-D4	1
8	PACKING ELEMENT, END		
	90 DURO, 33.7 - 39.0#	47R14-C90	2
	90 DURO, 20.0 - 29.7#	47R14-D90	2
9	ELEMENT SPACER, 33.7 - 39.0#	47R15-C	2
	ELEMENT SPACER, 20.0 - 29.7#	47R15-D	2
10	PACKING ELEMENT, CENTER		
	70 DURO, 33.7 - 39.0#	47R16-C70	1
	70 DURO, 20.0 - 29.7#	47R16-D70	1
11	GUIDE RING, 33.7 - 39.0#	47R17-C4	1
	GUIDE RING, 24.0 - 29.7#	47R17-D2	1
	GUIDE RING, 20.0 - 24.0#	47R17-D4	1
12	SUPPORT SLEEVE	47R18	1
13	CONNECTOR SLEEVE	47R19	1
14	CONE	47R20	1
15	SLIP, 33.7 - 39.0#	47AD09-C	6
	SLIP, 20.0 - 29.7#	47AD09-D	6
16	SLIP RETAINING RING	47AD07	1
17	SLIP SPRING	45AD06	12
18	SLIP RING	47R24	1
19	SLIP STOP RING	47R25	1
20	SNAP RING	47R26	1
21	SOC. CAP SCREW, 5/16-18 X 1 1/2 NYLOK	HC1014N	2
22	BOTTOM SUB, 2-7/8 EU	47R27-27	1

9-5/8" PR-3 SINGLE GRIP PACKER

COMPLETE ASSEMBLY

51RS.10XX

CASING RANGE: A2: 47.0 - 53.5#
A4: 40.0 - 47.0#
B: 29.3 - 36.0#

STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU	51R02-35	1
2	SEAL ADJUSTING NUT	51R03	1
3	SEAL	51R04	1
4	MANDREL	51RS01	1
5	SEAL SUB	51RS02	1
6	O-RING	050-90-436	1
7	PACKING ELEMENT, END		
	90 DURO, 40.0 - 53.5#	51R14-A90	2
	90 DURO, 29.3 - 36.0#	51R14-B90	2
8	ELEMENT SPACER, 40.0 - 53.5#	51R15-A	2
	ELEMENT SPACER, 29.3 - 36.0#	51R15-B	2
9	PACKING ELEMENT, CENTER		
	70 DURO, 40.0 - 53.5#	51R16-A70	1
	70 DURO, 29.3 - 36.0#	51R16-B70	1
10	GUIDE RING, 47.0 - 53.5#	51R17-A2	2
	GUIDE RING, 40.0 - 47.0#	51R17-A4	2
	GUIDE RING, 29.3 - 36.0#	51R17-B	2
11	SUPPORT SLEEVE	51R18	1
12	CONNECTOR SLEEVE	51R19	1
13	CONE	51R20	1
14	SLIP, 40.0 - 53.5#	49AD09-A	8
	SLIP, 29.3 - 36.0#	49AD09-B	8
15	SLIP RETAINING RING	51AD07	1
16	SLIP SPRING	49AD06	16
17	SLIP RING	51R24	1
18	SLIP STOP RING	51R25	1
19	SNAP RING	51R26	1
20	SOC. CAP SCREW, 1/2-13 X 1 1/2 NYLOK	HC1015N	4
21	BOTTOM SUB, 3-1/2 EU	51R27-35	1
22	SOC. SET SCREW, 1/4-20 X 1/4	HA1007	1
23	JAY ASSEMBLY	51R32	1

PR-3 SINGLE GRIP PACKER ELASTOMER REDRESS KIT

4-1/2" PR-3 SINGLE GRIP ELASTOMER REDRESS KIT	43RS.KOXX
5" PR-3 SINGLE GRIP ELASTOMER REDRESS KIT	43RS.KOXX
5-1/2" PR-3 SINGLE GRIP ELASTOMER REDRESS KIT	45RS.KOXX
5-1/2" LARGE BORE PR-3 SINGLE GRIP ELASTOMER REDRESS KIT	45RSL.KOXX
7" PR-3 SINGLE GRIP ELASTOMER REDRESS KIT	47RS.KOXX
7-5/8" PR-3 SINGLE GRIP ELASTOMER REDRESS KIT	47RS.KOXX
9-5/8" PR-3 SINGLE GRIP ELASTOMER REDRESS KIT	51RS.KOXX

* STANDARD PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDERING.

2-7/8" X 1.050" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 2.250 OD

603-25

CASING RANGE: 6.4 - 6.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 1.050 EU10RD	600-25-610	1
2	SPRING CAGE	600-25-310	1
3	SPRING CAGE CAP	600-25-810	1
4	FOLLOWER SPRING	600-25-920	1
5	UPPER BODY SLIP	600-25-320	1
6	SPRING RETAINING RING	600-25-820	1
7	UPPER SLIP	600-25-110	2
8	RELEASING SLIP	600-25-120	1
9	SLIP COIL SPRING	070-25-900	3
10	INNER MANDREL	600-25-210	1
11	UPPER CONE	600-25-410	1
12	CENTER COUPLING	600-25-620	1
13	O-RING	050-90-124	1
14	BEARING BUSHING	600-25-520	1
15	O-RING	050-90-026	1
16	RUBBER MANDREL	600-25-220	1
17	RUBBER SPACER	600-25-840	1
18	PACKING ELEMENT, 80 DURO	600-25-512	2
19	RUBBER RETAINER	600-25-850	1
20	LOWER CONE	600-25-420	1
21	SLIP, CARBIDE	700-25-110X	4
22	SLIP COIL SPRING	070-25-900	4
23	LOWER SLIP BODY	600-25-912	1
24	SOC. SET SCREW, 1/4-28 X 1/4	003-F4-004	3
25	J-BODY	600-25-340	1
26	DRAG SPRING	700-25-910	4
27	SOC. CAP SCREW, 10-24- X 1/4	004-03-004	8
28	RUBBER MANDREL CAP	600-25-230	1
29	BOTTOM SUB, 1.050 EU10RD	600-25-630	1
30	O-RING	050-90-117	1

3-1/2" X 1.900" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 2.781 OD

603-30

CASING RANGE: 7.7 - 10.2#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 1.900 NU 10RD	600-30-610	1
2	INNER MANDREL	600-30-210	1
3	SPRING CAGE	600-30-310	1
4	UPPER SLIP BODY ASSEMBLY	600-30-320	1
5	UPPER SLIP	600-30-110X	2
6	RELEASING SLIP	600-30-120X	1
7	HOLD DOWN BUTTON SPRING	613-45-975	7
8	UPPER CONE	600-30-410	1
9	CENTER COUPLING	600-30-625	1
10	O-RING	050-90-134	1
11	BEARING BUSHING	600-30-520	1
12	O-RING	050-90-031	1
13	PACKING ELEMENT, 80 DURO	600-30-512	2
14	RUBBER SPACER	600-30-840	1
15	RUBBER MANDREL	600-30-221	1
16	RUBBER RETAINER	600-30-850	1
17	LOWER CONE	600-30-420	1
18	LOWER SLIP	600-30-130X	4
19	J-BODY ASSEMBLY	600-30-340	1
20	BOTTOM SUB, 1.900 NU 10RD	600-30-630	1
21	O-RING	050-90-127	1
22	FOLLOWER SPRING	600-30-920	1
23	DRAG SPRING	310-45-920	4
24	BUTTON HEAD CAP SCREW, 5/16-18 X 5/16	004-C5-005	8
25	SOC. CAP SCREW, 3/8-16 X 3/8	001-C6-006	4

4" X 1.900" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 3.250 OD

603-40

CASING RANGE: 9.5 - 11.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 1.900 EU 10RD	600-40-610	1
2	SPRING CAGE CAP	600-40-810	1
3	SPRING CAGE	600-40-310	1
4	FOLLOWER SPRING	600-40-920	1
5	SPRING RETAINING RING	600-40-820	1
6	SLIP COIL SPRING	070-45-900	3
7	UPPER SLIP	600-40-110X	2
8	RELEASING SLIP	600-40-120X	1
9	INNER MANDREL	600-40-210	1
10	UPPER CONE	600-40-410	1
11	BEARING BUSHING	600-40-520	1
12	O-RING	050-90-140	1
13	CENTRAL COUPLING	602-40-620	1
14	O-RING	050-90-227	1
15	PACKING ELEMENT, 90 DURO	602-40-513	2
16	PACKING ELEMENT, 70 DURO	602-40-511	1
17	RUBBER SPACER	602-40-840	2
18	RUBBER RETAINER	602-40-850	1
19	RUBBER MANDREL ASSEMBLY	600-40-220	1
20	LOWER CONE	600-40-420	1
21	LOWER SLIP	600-40-130X	4
22	SLIP COIL SPRING	070-45-900	4
23	CONTROL BODY ASSEMBLY	610-40-330	1
24	DRAG BLOCK, DB 450	090-45-900	4
25	DRAG BLOCK LEAF SPRING	091-00-900	12
26	DRAG BLOCK RETAINER	600-40-910	1
27	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	4
28	J-BODY	600-40-340	1
29	RUBBER MANDREL CAP	600-40-230	1
30	O-RING	050-90-224	1
31	BOTTOM SUB ASSEMBLY	600-40-650	1

4-1/2" X 1.900" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 3.594 OD

603-41

CASING RANGE: 15.1 - 16.6#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 1.900 EU 10RD	600-40-610	1
2	SPRING CAGE CAP	600-41-810	1
3	SPRING CAGE	600-40-310	1
4	FOLLOWER SPRING	600-40-920	1
5	SPRING RETAINING RING	600-40-820	1
6	SLIP COIL SPRING	070-45-900	3
7	UPPER SLIP	600-41-110X	2
8	RELEASING SLIP	600-41-120X	1
9	INNER MANDREL	600-40-210	1
10	UPPER CONE	600-40-410	1
11	BEARING BUSHING	600-40-520	1
12	O-RING	050-90-140	1
13	CENTRAL COUPLING	602-41-620	1
14	O-RING	050-90-227	1
15	PACKING ELEMENT, 90 DURO	602-41-513	2
16	PACKING ELEMENT, 70 DURO	602-41-511	1
17	RUBBER SPACER	602-41-840	2
18	RUBBER RETAINER	602-41-850	1
19	RUBBER MANDREL ASSEMBLY	600-40-220	1
20	LOWER CONE	600-40-420	1
21	LOWER SLIP	600-41-130X	4
22	SLIP COIL SPRING	070-45-900	4
23	CONTROL BODY	610-41-330	1
24	DRAG BLOCK, DB 450	090-45-900	4
25	DRAG BLOCK LEAF SPRING	091-00-900	16
26	DRAG BLOCK RETAINER	600-41-910	1
27	J-BODY	600-40-340	1
28	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	4
29	RUBBER MANDREL CAP	600-40-230	1
30	BOTTOM SUB ASSEMBLY	600-40-650	1
31	O-RING	050-90-224	1

4-1/2" X 2-3/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 3.750 OD

603-45

CASING RANGE: 9.5 - 13.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-45-610	1
2	SPRING CAGE CAP	600-45-810WS	1
3	SPRING CAGE ASSEMBLY	600-45-320HTWS	1
4	FOLLOWER SPRING	600-45-920	1
5	UPPER SLIP	600-45-115XX	2
6	RELEASING SLIP	600-45-125XX	1
7	UPPER SLIP SPRING	071-45-902	3
8	INNER MANDREL	600-45-210	1
9	UPPER CONE	600-45-410HT	1
10	BEARING BUSHING	600-45-520	1
11	O-RING	050-90-145	1
12	CENTRAL COUPLING	602-45-620	1
13	O-RING	050-90-232	1
14	PACKING ELEMENT, 90 DURO	602-45-513	2
15	PACKING ELEMENT, 70 DURO	602-45-511	1
16	RUBBER SPACER	611-45-840	2
17	RUBBER RETAINER	602-45-850	1
18	RUBBER MANDREL	600-45-220HT	1
19	CONE	613-45-420	1
20	LOWER SLIP	600-45-135XX	4
21	LOWER SLIP SPRING	071-45-901	4
22	CONTROL BODY ASSEMBLY	610-45-335	1
23	DRAG BLOCK LEAF SPRING	091-00-900	16
24	DRAG BLOCK, DB 450	090-45-900	4
25	RUBBER MANDREL CAP	600-45-230WS	1
26	J-BODY	600-45-340HTWS	1
27	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	4
28	BOTTOM SUB ASSEMBLY, 2-3/8	600-45-650	1
29	O-RING	050-90-228	1

4-1/2" X 2-3/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 3.680 OD

603-46

CASING RANGE: 13.5 - 15.1#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-45-610AY	1
2	SPRING CAGE CAP	600-46-810WS	1
3	SPRING CAGE ASSEMBLY	600-46-320HTWS	1
4	FOLLOWER SPRING	600-45-920	1
5	UPPER SLIP SPRING	071-45-902	3
6	UPPER SLIP	600-45-115XX	2
7	RELEASING SLIP	600-45-125XX	1
8	INNER MANDREL	600-46-210HT	1
9	UPPER CONE	600-46-410HT	1
10	CENTER COUPLING	602-46-620	1
11	BEARING BUSHING	600-45-520	1
12	O-RING	050-90-145	1
13	O-RING	050-90-232	1
14	RUBBER MANDREL	600-46-220	1
15	PACKING ELEMENT, 90 DURO	602-46-513	2
16	PACKING ELEMENT, 70 DURO	602-46-511	1
17	RUBBER SPACER	611-46-840	2
18	RUBBER RETAINER	602-46-850	1
19	LOWER CONE	600-46-420	1
20	LOWER SLIP	600-45-135XX	4
21	LOWER SLIP SPRING	071-45-901	4
22	CONTROL BODY	610-46-330	1
23	DRAG BLOCK, DB 400 (HT)	090-40-900	4
24	DRAG BLOCK LEAF SPRING	091-00-900	16
25	RUBBER MANDREL CAP	600-45-230WS	1
26	BOTTOM SUB ASSEMBLY, 2-3/8	600-46-650HT	1
27	DRAG BLOCK RETAINER	600-46-910	1
28	J-BODY	600-46-340HTWS	1
29	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	4
30	O-RING	050-90-228	1

5" X 2-3/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 4.125 OD

603-50

CASING RANGE: 11.5 - 15.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-45-610	1
2	SPRING CAGE CAP	600-45-810WS	1
3	SPRING CAGE ASSEMBLY	600-50-310HTWS	1
4	SPRING RETAINING RING	600-45-820	1
5	FOLLOWER SPRING	600-45-920	1
6	UPPER SLIP	600-50-115XX	2
7	RELEASING SLIP	600-50-125XX	1
8	UPPER SLIP SPRING	071-45-902	6
9	INNER MANDREL	600-45-210	1
10	UPPER CONE	600-45-410HT	1
11	BEARING BUSHING	600-45-520	1
12	O-RING	050-90-145	1
13	CENTER COUPLING ASSEMBLY	602-50-620	1
14	O-RING	050-90-232	1
15	PACKING ELEMENT, 90 DURO	602-50-513	2
16	PACKING ELEMENT, 70 DURO	602-50-511	1
17	RUBBER SPACER	601-50-840	2
18	RUBBER RETAINER ASSEMBLY	602-50-850	1
19	RUBBER MANDREL	600-45-220HT	1
20	CONE	613-45-420	1
21	LOWER SLIP	600-50-135XX	4
22	LOWER SLIP SPRING	071-45-901	4
23	CONTROL BODY ASSEMBLY	610-50-335	1
24	DRAG BLOCK LEAF SPRING	091-00-900	20
25	DRAG BLOCK, DB 570	090-57-900	4
26	RUBBER MANDREL CAP	600-45-230WS	1
27	J-BODY	600-45-340HTWS	1
28	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	4
29	BOTTOM SUB ASSEMBLY, 2-3/8 EU 8RD	600-45-650	1
30	O-RING	050-90-228	1

5" X 2-3/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 4.000 OD

603-52

CASING RANGE: 18.0 - 20.8#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-45-610	1
2	SPRING CAGE CAP	600-45-810WS	1
3	SPRING CAGE ASSEMBLY	600-50-310HTWS	1
4	SPRING RETAINING RING	600-45-820	1
5	FOLLOWER SPRING	600-45-920	1
6	UPPER SLIP	600-50-115XX	2
7	RELEASING SLIP	600-50-125XX	1
8	UPPER SLIP SPRING	071-45-902	6
9	INNER MANDREL	600-45-210	1
10	UPPER CONE	600-45-410HT	1
11	BEARING BUSHING	600-45-520	1
12	O-RING	050-90-145	1
13	CENTRAL COUPLING	602-52-620	1
14	O-RING	050-90-232	1
15	PACKING ELEMENT, 90 DURO	602-52-513	2
16	PACKING ELEMENT, 70 DURO	602-52-511	1
17	RUBBER SPACER	601-52-840	2
18	RUBBER RETAINER	602-52-850	1
19	RUBBER MANDREL	600-45-220HT	1
20	CONE	613-45-420	1
21	LOWER SLIP	600-50-135XX	4
22	LOWER SLIP SPRING	071-45-901	4
23	CONTROL BODY ASSEMBLY	610-50-335	1
24	DRAG BLOCK LEAF SPRING	091-00-900	20
25	DRAG BLOCK, DB 560	090-56-900	4
26	RUBBER MANDREL CAP	600-45-230WS	1
27	J-BODY	600-45-340HTWS	1
28	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	4
29	BOTTOM SUB ASSEMBLY, 2-3/8	600-45-650	1
30	O-RING	050-90-228	1

5-1/2" X 2-3/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY

603-55

CASING RANGE: 14.0 - 20.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-55-610WLS	1
2	SPRING CAGE CAP	600-55-810WLS	1
3	SPRING CAGE	603-55-310WLS	1
4	FOLLOWER SPRING	603-55-920	1
5	SPRING RETAINING RING	600-55-820	1
6	UPPER SLIP BODY ASSEMBLY	603-55-320	1
7	UPPER SLIP SPRING	071-55-902	6
8	UPPER SLIP	600-55-115XX	2
9	RELEASING SLIP	600-55-125XX	1
10	INNER MANDREL	603-55-210	1
11	UPPER CONE	603-55-411HT	1
12	BEARING BUSHING	600-55-520	1
13	O-RING	050-90-149	1
14	CENTER COUPLING	603-55-620	1
15	O-RING	050-90-234	1
16	GAGE RING	602-55-830	1
17	PACKING ELEMENT, 90 DURO	602-55-513	2
18	PACKING ELEMENT, 70 DURO	602-55-511	1
19	RUBBER SPACER	602-55-840	2
20	RUBBER RETAINER	602-55-850	1
21	RUBBER MANDREL	600-55-220HT	1
22	LOWER CONE	613-55-420	1
23	SLIP	710-55-110	4
24	LOWER SLIP SPRING	071-55-900	8
25	CONTROL BODY ASSEMBLY	610-55-335	1
26	DRAG BLOCK, DB 550	090-55-900	4
27	DRAG BLOCK LEAF SPRING	091-00-900	20
28	DRAG BLOCK RETAINER	600-55-910	1
29	RUBBER MANDREL CAP	600-55-230WLS	1
30	J-BODY	603-55-340HTWLS	1
31	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
32	BOTTOM SUB ASSEMBLY	603-55-650	1
33	O-RING	050-90-228	1

5-1/2" X 2-7/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY

603-56

CASING RANGE: 15.5 - 17.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	600-70-610WLS	1
2	SPRING CAGE CAP	600-56-810WLS	1
3	SPRING CAGE ASSEMBLY	603-56-325HTWLS	1
4	FOLLOWER SPRING	600-60-975	1
5	UPPER SLIP	600-56-115XX	2
6	RELEASING SLIP	600-56-125XX	1
7	UPPER SLIP SPRING	071-55-902	6
8	INNER MANDREL	603-56-215	1
9	UPPER CONE	603-59-415HT	1
10	BEARING BUSHING	603-59-224	1
11	BEARING BUSHING	600-56-520	1
12	O-RING	050-90-151	1
13	CENTER COUPLING	600-56-621	1
14	O-RING	050-90-235	1
15	GAGE RING	602-56-830	1
16	PACKING ELEMENT, 90 DURO	602-56-513	2
17	PACKING ELEMENT, 70 DURO	602-56-511	1
18	RUBBER SPACER	602-59-840	2
19	RUBBER RETAINER	602-56-850	1
20	RUBBER MANDREL	603-56-220HT	1
21	LOWER CONE	600-56-420HT	1
22	LOWER SLIP	600-56-135XX	4
23	LOWER SLIP SPRING	071-55-900	8
24	CONTROL BODY ASSEMBLY	610-56-335	1
25	DRAG BLOCK LEAF SPRING	091-00-900	20
26	DRAG BLOCK, DB 550	090-55-900	4
27	DRAG BLOCK RETAINER	600-56-910	1
28	RUBBER MANDREL CAP	600-56-230WLS	1
29	J-BODY	603-56-345HTWLS	1
30	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	3
31	BOTTOM SUB ASSEMBLY, 2-7/8 EU 8RD	600-56-655	1
32	O-RING	050-90-231	1

5-1/2" X 2-3/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY

603-57

CASING RANGE: 20.0 - 23.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-55-610WLS	1
2	SPRING CAGE CAP	600-57-810WLS	1
3	CAGE SPRING	603-55-310WLS	1
4	FOLLOWER SPRING	603-55-920	1
5	SPRING RETAINING RING	600-55-820	1
6	UPPER SLIP BODY ASSEMBLY	603-55-320HT	1
7	UPPER SLIP SPRING	071-55-902	6
8	UPPER SLIP	600-55-115XX	2
9	RELEASING SLIP	600-55-125XX	1
10	INNER MANDREL	603-57-210	1
11	UPPER CONE	603-55-411HT	1
12	BEARING BUSHING	600-55-520	1
13	O-RING	050-90-149	1
14	CENTER COUPLING	603-55-620	1
15	O-RING	050-90-234	1
16	GAGE RING	602-57-830	1
17	PACKING ELEMENT, 90 DURO	602-57-513	2
18	PACKING ELEMENT, 70 DURO	602-57-511	1
19	RUBBER SPACER	602-57-840	2
20	RUBBER RETAINER	602-57-850	1
21	RUBBER MANDREL	600-57-220HT	1
22	LOWER CONE	613-55-420	1
23	SLIP	710-55-110	4
24	LOWER SLIP SPRING	071-55-900	8
25	CONTROL BODY ASSEMBLY	610-57-335	1
26	DRAG BLOCK, DB 450	090-45-900	4
27	DRAG BLOCK LEAF SPRING	091-00-900	20
28	DRAG BLOCK RETAINER	600-57-910	1
29	RUBBER MANDREL CAP	600-55-230WLS	1
30	J-BODY	603-55-340HTWLS	1
31	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
32	BOTTOM SUB ASSEMBLY	603-55-650	1
33	O-RING	050-90-228	1

5-1/2" X 2-7/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY

603-59

CASING RANGE: 20.0 - 23.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	600-70-610WLS	1
2	SPRING CAGE CAP	600-59-810WLS	1
3	SPRING CAGE ASSEMBLY	603-56-325HTWLS	1
4	FOLLOWER SPRING	600-60-975	1
5	UPPER SLIP	600-56-115XX	2
6	RELEASING SLIP	600-56-125XX	1
7	UPPER SLIP SPRING	071-55-902	6
8	INNER MANDREL	603-59-215	
9	UPPER CONE	603-59-415HT	
10	BEARING BUSHING	603-59-224	
11	BEARING BUSHING	600-56-520	
12	O-RING	050-90-151	1
13	CENTER COUPLING	600-56-621	1
14	O-RING	050-90-235	1
15	GAGE RING	602-59-830	1
16	PACKING ELEMENT, 90 DURO	602-59-513	2
17	PACKING ELEMENT, 70 DURO	602-59-511	1
18	RUBBER SPACER	602-59-840	2
19	RUBBER RETAINER	602-59-850	1
20	RUBBER MANDREL	603-59-220HT	1
21	LOWER CONE	600-56-420HT	1
22	LOWER SLIP	600-56-135XX	4
23	LOWER SLIP SPRING	071-55-900	8
24	CONTROL BODY ASSEMBLY	610-59-330	1
25	DRAG BLOCK LEAF SPRING	091-00-900	16
26	DRAG BLOCK, DB 450	090-45-900	4
27	DRAG BLOCK RETAINER	600-59-910	1
28	RUBBER MANDREL CAP	600-56-230WLS	1
29	J-BODY	603-56-345HTWLS	1
30	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	3
31	BOTTOM SUB ASSEMBLY, 2-7/8 EU 8RD	600-56-655	1
32	O-RING	050-90-231	1

6-5/8" X 2-7/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY

603-67

CASING RANGE: 17.0 - 24.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	600-70-610WLS	1
2	SPRING CAGE CAP	600-67-810WLS	1
3	SPRING CAGE	603-70-310WLS	1
4	FOLLOWER SPRING	603-70-920	1
5	SPRING RETAINING RING	600-70-820	1
6	UPPER SLIP BODY ASSEMBLY	600-67-320	1
7	UPPER SLIP	600-70-112	2
8	RELEASING SLIP	600-70-122	1
9	UPPER SLIP SPRING	071-10-901	6
10	INNER MANDREL	603-67-210	1
11	UPPER CONE	603-70-410	1
12	BEARING BUSHING	603-70-224	1
13	SEAL ASSEMBLY	600-70-520	1
14	O-RING	050-90-152	1
15	CENTER COUPLING	603-70-620	1
16	O-RING	050-90-242	1
17	GAGE RING	602-67-830	1
18	PACKING ELEMENT, 90 DURO	602-67-513	2
19	PACKING ELEMENT, 70 DURO	602-67-511	1
20	RUBBER SPACER	611-67-840	2
21	RUBBER RETAINER	603-67-850	1
22	RUBBER MANDREL	603-67-220	1
23	LOWER CONE	613-70-420	1
24	SLIP	710-70-110	4
25	SLIP LEAF SPRING	071-70-900	8
26	CONTROL BODY ASSEMBLY	610-67-330	1
27	DRAG BLOCK, DB 600	090-60-900	4
28	DRAG BLOCK LEAF SPRING	091-01-900	24
29	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
30	DRAG BLOCK RETAINER	600-67-910	1
31	RUBBER MANDREL CAP	600-70-230WLS	1
32	RETAINING RING	600-70-911	1
33	J-BODY ASSEMBLY	603-70-340WLS	1
34	BOTTOM SUB ASSEMBLY, 2-7/8 EU 8RD	603-70-650	1
35	O-RING	050-90-233	1

6-5/8" X 3-1/2" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 5.750 OD

603-68

CASING RANGE: 20.0 - 24.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	600-73-610	1
2	SPRING CAGE CAP	603-68-810	1
3	SPRING CAGE	603-73-310	1
4	FOLLOWER SPRING	603-73-920	1
5	SPRING RETAINING RING	600-73-820	1
6	UPPER SLIP BODY ASSEMBLY	603-68-320	1
7	UPPER SLIP	603-68-110	2
8	RELEASING SLIP	603-68-120	1
9	UPPER SLIP SPRING	071-10-901	6
10	INNER MANDREL	603-73-210	1
11	UPPER CONE	603-73-410	1
12	SEAL ASSEMBLY	600-73-520	1
13	O-RING	050-90-155	1
14	CENTER COUPLING	602-73-620	1
15	O-RING	050-90-243	1
16	GAGE RING	611-67-830	2
17	PACKING ELEMENT, 90 DURO	603-68-513	2
18	PACKING ELEMENT, 70 DURO	603-68-511	1
19	RUBBER SPACER	603-68-840	2
20	RUBBER RETAINER	602-73-850	1
21	RUBBER MANDREL ASSEMBLY	600-73-220	1
22	LOWER CONE	600-73-420	1
23	LOWER SLIP	603-68-130	4
24	SLIP LEAF SPRING	071-70-900	8
25	CONTROL BODY	603-68-330	1
26	DRAG BLOCK, DB 600	090-60-900	6
27	DRAG BLOCK LEAF SPRING	091-01-900	36
28	DRAG BLOCK RETAINER	603-68-910	1
29	RUBBER MANDREL CAP	600-73-230	1
30	J-BODY ASSEMBLY	603-73-340	1
31	SOC. SET SCREW, 3/8-16 X 1/2	003-C6-008	3
32	BOTTOM SUB ASSEMBLY, 2-7/8	603-73-650	1
33	O-RING	050-90-237	1

7" X 2-7/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 5.813 OD

603-70

CASING RANGE: 26.0 - 32.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	603-70-610WLS	1
2	SPRING CAGE CAP	600-70-810WLS	1
3	SPRING CAGE	603-70-310WLS	1
4	FOLLOWER SPRING	603-70-920	1
5	SPRING RETAINING RING	600-70-820	1
6	UPPER SLIP BODY ASSEMBLY	603-70-320HT	1
7	UPPER SLIP	600-70-112	2
8	RELEASING SLIP	600-70-122	1
9	UPPER SLIP SPRING	071-10-901	6
10	INNER MANDREL	603-70-210	1
11	UPPER CONE	603-70-410	1
12	BEARING BUSHING	603-70-224	1
13	SEAL ASSEMBLY	600-70-520	1
14	O-RING	050-90-152	1
15	CENTER COUPLING	603-70-620	1
16	O-RING	050-90-242	1
17	GAGE RING	602-70-830	1
18	PACKING ELEMENT, 90 DURO	602-70-513	2
19	PACKING ELEMENT, 70 DURO	602-70-511	1
20	RUBBER SPACER	611-70-840	2
21	RUBBER RETAINER	603-70-850	1
22	RUBBER MANDREL ASSEMBLY	603-70-220	1
23	LOWER CONE	613-70-420	1
24	SLIP	710-70-110	4
25	SLIP LEAF SPRING	071-70-900	8
26	CONTROL BODY ASSEMBLY	610-70-330	1
27	DRAG BLOCK, DB 700	090-70-900	4
28	DRAG BLOCK LEAF SPRING	091-01-900	24
29	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
30	DRAG BLOCK RETAINER	600-70-910	1
31	RUBBER MANDREL CAP	600-70-230WLS	1
32	RETAINING RING	600-70-911	1
33	J-BODY ASSEMBLY	603-70-340WLS	1
34	BOTTOM SUB ASSEMBLY, 2-7/8 EU 8RD	603-70-650HT	1
35	O-RING	050-90-233	1

7" x 2-7/8" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 6.000 OD

603-72

CASING RANGE: 17.0 - 26.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	603-70-610WLS	1
2	SPRING CAGE CAP	600-70-810WLS	1
3	SPRING CAGE	603-70-310WLS	1
4	FOLLOWER SPRING	603-70-920	1
5	SPRING RETAINING RING	600-70-820	1
6	UPPER SLIP BODY ASSEMBLY	603-70-320HT	1
7	UPPER SLIP	600-70-112	2
8	RELEASING SLIP	600-70-122	1
9	UPPER SLIP SPRING	071-10-901	6
10	INNER MANDREL	603-70-210	1
11	UPPER CONE	603-70-410	1
12	BEARING BUSHING	603-70-224	1
13	SEAL ASSEMBLY	600-70-520	1
14	O-RING	050-90-152	1
15	CENTER COUPLING	603-70-620	1
16	O-RING	050-90-242	1
17	GAGE RING	602-72-830	1
18	PACKING ELEMENT, 90 DURO	602-72-513	2
19	PACKING ELEMENT, 70 DURO	602-72-511	1
20	RUBBER SPACER	611-72-840	2
21	RUBBER RETAINER	603-72-850	1
22	RUBBER MANDREL ASSEMBLY	603-70-220	1
23	LOWER CONE	613-70-420	1
24	SLIP	710-70-110	4
25	SLIP LEAF SPRING	071-70-900	8
26	CONTROL BODY ASSEMBLY	610-70-330	1
27	DRAG BLOCK, DB 800	090-80-900	4
28	DRAG BLOCK LEAF SPRING	091-01-900	24
29	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
30	DRAG BLOCK RETAINER	600-72-910	1
31	RUBBER MANDREL CAP	600-70-230	1
32	RETAINING RING	600-70-911	1
33	J-BODY ASSEMBLY	603-70-340WLS	1
34	BOTTOM SUB ASSEMBLY, 2-7/8 EU 8RD	603-70-650HT	1
35	O-RING	050-90-233	1

7" X 3-1/2" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 5.875 OD

603-73

CASING RANGE: 26.0 - 32.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	600-73-610	1
2	SPRING CAGE CAP	600-73-810	1
3	SPRING CAGE	603-73-310	1
4	FOLLOWER SPRING	603-73-920	1
5	SPRING RETAINING RING	600-73-820	1
6	UPPER SLIP BODY ASSEMBLY	600-73-320	1
7	UPPER SLIP	600-73-115X	2
8	RELEASING SLIP	600-73-125	1
9	UPPER SLIP SPRING	071-10-901	6
10	INNER MANDREL	603-73-210	1
11	UPPER CONE	603-73-410	1
12	SEAL ASSEMBLY	600-73-520	1
13	O-RING	050-90-155	1
14	CENTRAL COUPLING	602-73-620	1
15	O-RING	050-90-243	1
16	GAGE RING	611-70-830	2
17	PACKING ELEMENT, 90 DURO	650-73-513	2
18	PACKING ELEMENT, 70 DURO	650-73-511	1
19	RUBBER SPACER	650-73-840	2
20	RUBBER RETAINER	602-73-850	1
21	RUBBER MANDREL ASSEMBLY	600-73-220	1
22	LOWER CONE	600-73-420	1
23	LOWER SLIP	600-73-131	4
24	SLIP LEAF SPRING	071-70-900	8
25	CONTROL BODY ASSEMBLY	610-73-330	1
26	DRAG BLOCK, DB 700	090-70-900	6
27	DRAG BLOCK LEAF SPRING	091-01-900	36
28	DRAG BLOCK RETAINER	600-73-910	1
29	RUBBER MANDREL CAP	600-73-230	1
30	J-BODY ASSEMBLY	603-73-340	1
31	SOC. SET SCREW, 3/8-16 X 1/2	003-C6-008	3
32	BOTTOM SUB ASSEMBLY	603-73-650	1
33	O-RING	050-90-237	1

7" X 3-1/2" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 6.000 OD

603-74

CASING RANGE: 17.0 - 26.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	600-73-610	1
2	SPRING CAGE CAP	600-74-810	1
3	SPRING CAGE	603-73-310	1
4	FOLLOWER SPRING	603-73-920	1
5	SPRING RETAINING RING	600-73-820	1
6	UPPER SLIP BODY ASSEMBLY	600-73-320	1
7	UPPER SLIP	600-73-115X	2
8	RELEASING SLIP	600-73-125	1
9	UPPER SLIP SPRING	071-10-901	6
10	INNER MANDREL	603-73-210	1
11	UPPER CONE	603-73-410	1
12	SEAL ASSEMBLY	600-73-520	1
13	O-RING	050-90-155	1
14	CENTRAL COUPLING	602-73-620	1
15	O-RING	050-90-243	1
16	GAGE RING	611-72-830	2
17	PACKING ELEMENT, 90 DURO	602-74-513	2
18	PACKING ELEMENT, 70 DURO	602-74-511	1
19	RUBBER SPACER	650-74-840	2
20	RUBBER RETAINER	602-73-850	1
21	RUBBER MANDREL ASSEMBLY	600-73-220	1
22	LOWER CONE	600-73-420	1
23	LOWER SLIP	600-73-131	4
24	SLIP LEAF SPRING	071-70-900	8
25	CONTROL BODY ASSEMBLY	610-73-330	1
26	DRAG BLOCK, DB 800	090-80-900	6
27	DRAG BLOCK LEAF SPRING	091-01-900	36
28	DRAG BLOCK RETAINER	600-74-910	1
29	RUBBER MANDREL CAP	600-73-230	1
30	J-BODY ASSEMBLY	603-73-340	1
31	SOC. SET SCREW, 3/8-16 X 1/2	003-C6-008	3
32	BOTTOM SUB ASSEMBLY	603-73-650	1
33	O-RING	050-90-237	1

7-5/8" X 3-1/2" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 6.453 OD

603-77

CASING RANGE: 33.7 - 39.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	600-73-610	1
2	SPRING CAGE CAP	600-73-810	1
3	SPRING CAGE	603-73-310	1
4	FOLLOWER SPRING	603-73-920	1
5	SPRING RETAINING RING	600-73-820	1
6	UPPER SLIP BODY ASSEMBLY	603-77-320	1
7	UPPER SLIP SUPPORT	603-77-880	1
8	UPPER SLIP	600-75-115	2
9	RELEASING SLIP	600-75-125	1
10	UPPER SLIP SPRING	071-10-901	6
11	INNER MANDREL	603-73-210	1
12	UPPER CONE	603-77-410	1
13	SEAL ASSEMBLY	600-73-520	1
14	O-RING	050-90-155	1
15	CENTRAL COUPLING	602-73-620	1
16	O-RING	050-90-243	1
17	GAGE RING	650-75-830	2
18	PACKING ELEMENT, 90 DURO	650-75-513	2
19	PACKING ELEMENT, 70 DURO	650-75-511	1
20	RUBBER SPACER	650-75-840	2
21	RUBBER RETAINER	603-77-850	1
22	RUBBER MANDREL ASSEMBLY	600-73-220	1
23	LOWER CONE	603-77-420	1
24	SLIP	710-75-110	4
25	LOWER SLIP SPRING	071-10-900	8
26	CONTROL BODY ASSEMBLY	603-77-330	1
27	LOWER SLIP SUPPORT	603-77-912	1
28	LOWER SLIP SUPPORT SCREW	603-77-900	2
29	DRAG BLOCK, DB 700	090-70-900	6
30	DRAG BLOCK LEAF SPRING	091-01-900	36
31	DRAG BLOCK RETAINER	603-77-910	1
32	RUBBER MANDREL CAP	600-73-230	1
33	J-BODY ASSEMBLY	603-73-340	1
34	SOC. SET SCREW, 3/8-16 X 1/2	003-C6-008	3
35	BOTTOM SUB ASSEMBLY	603-73-650	1
36	O-RING	050-90-237	1

7-5/8" X 3-1/2" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 6.672 OD

603-78

CASING RANGE: 24.0 - 29.7#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	600-73-610	1
2	SPRING CAGE CAP	600-73-810	1
3	SPRING CAGE	603-73-310	1
4	FOLLOWER SPRING	603-73-920	1
5	SPRING RETAINING RING	600-73-820	1
6	UPPER SLIP BODY ASSEMBLY	603-77-320	1
7	UPPER SUPPORT SLIP	603-77-880	1
8	UPPER SLIP	600-75-115	2
9	RELEASING SLIP	600-75-125	1
10	UPPER SLIP SPRING	071-10-901	6
11	INNER MANDREL	603-73-210	1
12	UPPER CONE	603-77-410	1
13	SEAL ASSEMBLY	600-73-520	1
14	O-RING	050-90-155	1
15	CENTRAL COUPLING	602-73-620	1
16	O-RING	050-90-243	1
17	GAGE RING	611-76-830	2
18	PACKING ELEMENT, 90 DURO	650-76-513	2
19	PACKING ELEMENT, 70 DURO	650-76-511	1
20	RUBBER SPACER	611-78-840	2
21	RUBBER RETAINER	603-77-850	1
22	RUBBER MANDREL ASSEMBLY	600-73-220	1
23	LOWER CONE	603-77-420	1
24	SLIP	710-75-110	4
25	LOWER SLIP SPRING	071-10-900	8
26	CONTROL BODY ASSEMBLY	603-77-330	1
27	LOWER SUPPORT SLIP	603-77-912	1
28	LOWER SLIP SUPPORT SCREW	603-77-900	2
29	DRAG BLOCK, DB 700	090-70-900	6
30	DRAG BLOCK LEAF SPRING	091-01-900	36
31	DRAG BLOCK RETAINER	603-77-910	1
32	RUBBER MANDREL CAP	600-73-230	1
33	J-BODY ASSEMBLY	603-73-340	1
34	SOC. SET SCREW, 3/8-16 X 1/2	003-C6-008	3
35	BOTTOM SUB ASSEMBLY	603-73-650	1
36	O-RING	050-90-237	1

8-5/8" X 4-1/2" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 7.500 OD

603-82

CASING RANGE: 32.0 - 40.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 4-1/2 EU 8RD	600-95-610	1
2	SPRING CAGE CAP	600-95-810	1
3	SPRING CAGE	603-95-310	1
4	FOLLOWER SPRING	603-95-920	1
5	SPRING RETAINER RING	603-82-820	1
6	UPPER SLIP BODY ASSEMBLY	603-82-320	1
7	UPPER SLIP SPRING	071-10-901	6
8	UPPER SLIP	603-82-110	2
9	RELEASING SLIP	603-82-120	1
10	INNER MANDREL	603-95-210	1
11	UPPER CONE	603-82-410	1
12	SEAL ASSEMBLY	600-95-520	1
13	CENTRAL COUPLING	600-95-620	1
14	O-RING	050-90-160	2
15	GAGE RING RUBBER	603-82-830	1
16	PACKING ELEMENT, 90 DURO	603-82-513	2
17	PACKING ELEMENT, 70 DURO	603-82-511	1
18	RUBBER SPACER	603-82-840	2
19	RUBBER RETAINER	603-82-850	1
20	RUBBER MANDREL	600-95-220	1
21	LOWER CONE	603-82-420	1
22	LOWER SLIP	603-82-130	4
23	LOWER SLIP SPRING	071-10-900	8
24	DRAG BLOCK ASSEMBLY	603-82-330	1
25	DRAG BLOCK, DB 700	090-70-900	8
26	DRAG BLOCK LEAF SPRING	091-01-900	48
27	SOC. SET SCREW, 3/8-16 X 1/2	003-C6-008	3
28	DRAG BLOCK RETAINER	603-82-910	1
29	RUBBER MANDREL CAP	600-95-230	1
30	RETAINING RING	603-82-911	1
31	J-BODY ASSEMBLY	603-95-340	1
32	BOTTOM SUB ASSEMBLY, 4-1/2 EU 8RD	603-95-650	1
33	O-RING	050-90-349	1

8-5/8" X 4-1/2" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 7.750 OD

603-83

CASING RANGE: 24.0 - 28.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 4-1/2 EU 8RD	600-95-610	1
2	SPRING CAGE CAP	600-95-810	1
3	SPRING CAGE	603-95-310	1
4	FOLLOWER SPRING	603-95-920	1
5	SPRING RETAINER RING	603-82-820	1
6	UPPER SLIP BODY ASSEMBLY	603-82-320	1
7	UPPER SLIP SPRING	071-10-901	6
8	UPPER SLIP	603-82-110	2
9	RELEASING SLIP	603-82-120	1
10	INNER MANDREL	603-95-210	1
11	UPPER CONE	603-82-410	1
12	SEAL ASSEMBLY	600-95-520	1
13	CENTRAL COUPLING	600-95-620	1
14	O-RING	050-90-160	2
15	GAGE RING	603-83-830	1
16	PACKING ELEMENT, 90 DURO	603-83-513	2
17	PACKING ELEMENT, 70 DURO	603-83-511	1
18	RUBBER SPACER	603-83-840	2
19	RUBBER RETAINER	603-83-850	1
20	RUBBER MANDREL	600-95-220	1
21	LOWER CONE	603-82-420	1
22	LOWER SLIP	603-82-130	4
23	LOWER SLIP SPRING	071-10-900	8
24	DRAG BLOCK ASSEMBLY	603-82-330	1
25	DRAG BLOCK, DB 800	090-80-900	8
26	DRAG BLOCK LEAF SPRING	091-01-900	48
27	SOC. SET SCREW, 3/8-16 X 1/2	003-C6-008	3
28	DRAG BLOCK RETAINER	603-82-910	1
29	RUBBER MANDREL CAP	600-95-230	1
30	RETAINING RING	603-82-911	1
31	J-BODY ASSEMBLY	603-95-340	1
32	BOTTOM SUB ASSEMBLY, 4-1/2 EU 8RD	603-95-650	1
33	O-RING	050-90-349	1

10-3/4" X 4-1/2" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 9.688 OD

603-10

CASING RANGE: 32.75 - 45.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 4-1/2 EU 8RD	600-95-610	1
2	SPRING CAGE CAP	600-95-810	1
3	SPRING CAGE	603-95-310	1
4	FOLLOWER SPRING	603-95-920	1
5	SPRING RETAINER RING	603-10-820	1
6	UPPER SLIP BODY ASSEMBLY	603-10-320	1
7	UPPER SLIP SUPPORT	603-10-880	1
8	LOWER SLIP SPRING	071-10-900	6
9	UPPER SLIP	603-10-110	2
10	RELEASING SLIP	603-10-120	1
11	INNER MANDREL	603-95-210	1
12	UPPER CONE	603-10-410	1
13	SEAL ASSEMBLY	600-95-520	1
14	O-RING	050-90-160	1
15	UPPER GAGE RING	603-10-830	1
16	PACKING ELEMENT, 80 DURO	613-10-512	2
17	PACKING ELEMENT, 70 DURO	613-10-511	1
18	RUBBER SPACER	613-10-840	2
19	RUBBER RETAINER	613-10-850	1
20	RUBBER MANDREL ASSEMBLY	603-10-220	1
21	LOWER CONE	613-10-420	1
22	LOWER SLIP	613-10-110	4
23	LOWER SLIP SPRING	071-10-900	16
24	LOWER SLIP SUPPORT	603-10-912	1
25	CONTROL BODY ASSEMBLY	603-10-330	1
26	DRAG BLOCK, DB 900	090-90-900	10
27	DRAG BLOCK LEAF SPRING	091-01-900	60
28	SOC. SET SCREW, 3/8-16 X 5/8	003-C6-010	3
29	DRAG BLOCK RETAINER	613-10-910	1
30	RUBBER MANDREL CAP	600-95-230	1
31	BOTTOM SUB ASSEMBLY, 4-1/2 EU 8RD	603-95-650	1
32	O-RING	050-90-349	1
33	LOWER RETAINING RING	613-10-815	1
34	J-BODY ASSEMBLY	603-95-340	1



Wholesale Product List

13-3/8" X 4-1/2" ARROWSET I-X PACKER

COMPLETE ASSEMBLY, 12.000 OD

603-13

CASING RANGE: 48.0 - 72.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 4-1/2 EU 8RD	600-95-612	1
2	INNER MANDREL	603-95-210	1
3	SPRING CAGE CAP	600-95-810	1
4	SPRING CAGE	603-95-310	1
5	UPPER SLIP BODY ASSEMBLY	603-13-320	1
6	UPPER SLIP SUPPORT	603-13-880	1
7	SPRING RETAINER RING	603-10-820	1
8	FOLLOWER SPRING	603-95-920	1
9	UPPER CONE	603-13-415	1
10	SEAL HOUSING	603-13-620	1
11	O-RING	050-90-369	2
12	O-RING	050-90-160	1
13	SEAL ASSEMBLY	600-95-520	1
14	RUBBER MANDREL	603-13-220	1
15	GAGE RING	603-13-830	1
16	PACKING ELEMENT, 80 DURO	621-13-512	2
17	PACKING ELEMENT, 70 DURO	621-13-511	1
18	RUBBER SPACER	621-13-840	2
19	UPPER SLIP	603-13-116	3
20	RELEASING SLIP	603-13-126	2
21	UPPER SLIP SPRING	071-10-901	20
22	RUBBER RETAINER	603-13-850	1
23	LOWER CONE	603-13-420	1
24	RECOVERY SLEEVE	603-13-230	1
25	RUBBER MANDREL CAP	600-95-230	1
26	LOWER SLIP SUPPORT	603-13-912	1
27	CONTROL BODY	603-13-330	1
28	DRAG BLOCK RETAINER	613-13-910	1
29	J-BODY ASSEMBLY	603-95-340	1
30	BOTTOM SUB, 4-1/2 EU 8RD	603-13-630	1
31	O-RING	050-90-349	1
32	NIPPLE BOTTOM	603-13-635	1
33	J-PIN	698-82-912	2
34	DRAG BLOCK, DB 900	090-90-900	12
35	DRAG BLOCK LEAF SPRING	091-01-900	72
36	SLIP SUPPORT SCREW	613-13-339	4
37	UPPER SLIP SPRING	071-10-901	24
38	SOC. SET SCREW, 3/8-16 X 5/8	003-C6-010	2
39	SLIP	700-13-110	6

4-1/2" X 2-3/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 3.750 OD

603-45-H

CASING RANGE: 9.5 - 13.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-45-610AYWLS	1
2	SPRING CAGE CAP	600-45-810WS	1
3	SPRING CAGE ASSEMBLY (HT)	600-45-320HTWLS	1
4	FOLLOWER SPRING	600-45-920	1
5	UPPER SLIP	600-45-115XX	2
6	RELEASING SLIP	600-45-125XX	1
7	UPPER SLIP SPRING	071-45-902	3
8	INNER MANDREL (HT)	600-45-210HT	1
9	UPPER CONE (HT)	600-45-410HT	1
10	SEAL ASSEMBLY	600-45-520	1
11	O-RING	050-90-145	1
12	CENTRAL COUPLING	602-45-620	1
13	O-RING	050-90-232	1
14	PACKING ELEMENT, 90 DURO	602-45-513	2
15	PACKING ELEMENT, 80 DURO	602-45-512	1
16	RUBBER SPACER	611-45-840	2
17	RUBBER RETAINER	602-45-850	1
18	RUBBER MANDREL	600-45-220HT	1
19	CONE	613-45-420	1
20	LOWER SLIP	600-45-135XX	4
21	LOWER SLIP SPRING	071-45-901	4
22	CONTROL BODY ASSEMBLY	610-45-335	1
23	DRAG BLOCK LEAF SPRING	091-00-900	16
24	DRAG BLOCK, DB 450	090-45-900	4
25	RUBBER MANDREL CAP	600-45-230WLS	1
26	J-BODY ASSEMBLY	603-45-340HTWLS	1
27	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	4
28	BOTTOM SUB	600-45-650HT	1
29	O-RING	050-90-228	1

4-1/2" X 2-3/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 3.680 OD

603-46-H

CASING RANGE: 15.1#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-45-610AY	1
2	SPRING CAGE CAP	600-46-810WS	1
3	SPRING CAGE ASSEMBLY (HT)	600-46-320HTWS	1
4	FOLLOWER SPRING	600-45-920	1
5	UPPER SLIP SPRING	071-45-902	3
6	UPPER SLIP	600-45-115XX	2
7	RELEASING SLIP	600-45-125XX	1
8	INNER MANDREL (HT)	600-46-210HT	1
9	UPPER CONE (HT)	600-46-410HT	1
10	CENTER COUPLING	602-46-620	1
11	SEAL ASSEMBLY	600-45-520	1
12	O-RING	050-90-145	1
13	O-RING	050-90-232	1
14	RUBBER MANDREL	600-46-220	1
15	PACKING ELEMENT, 90 DURO	602-46-513	2
16	PACKING ELEMENT, 80 DURO	602-46-512	1
17	RUBBER SPACER	611-46-840	2
18	RUBBER RETAINER	602-46-850	1
19	LOWER CONE	600-46-420	1
20	LOWER SLIP	600-45-135XX	4
21	LOWER SLIP SPRING	071-45-901	4
22	CONTROL BODY	610-46-330	1
23	DRAG BLOCK, DB 400 (HT)	090-40-900	4
24	DRAG BLOCK LEAF SPRING	091-00-900	16
25	RUBBER MANDREL CAP	600-45-230WS	1
26	BOTTOM SUB	600-45-650HT	1
27	DRAG BLOCK RETAINER	600-46-910	1
28	J-BODY ASSEMBLY, RH-RH (HT)	600-46-340HTWS	1
29	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	4
30	ORING	050-90-228	1

5" X 2-3/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 4.125 OD

603-50-H

CASING RANGE: 11.5 - 15.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-45-610AY	1
2	SPRING CAGE CAP	600-45-810WS	1
3	SPRING CAGE ASSEMBLY (HT)	600-50-310HTWS	1
4	SPRING RETAINING RING	600-45-820	1
5	FOLLOWER SPRING	600-45-920	1
6	UPPER SLIP	600-50-115XX	2
7	RELEASING SLIP	600-50-125XX	1
8	UPPER SLIP SPRING	071-45-902	6
9	INNER MANDREL (HT)	600-45-210HT	1
10	UPPER CONE (HT)	600-45-410HT	1
11	SEAL ASSEMBLY	600-45-520	1
12	O-RING	050-90-145	1
13	CENTER COUPLING	602-50-620	1
14	O-RING	050-90-232	1
15	PACKING ELEMENT, 90 DURO	602-50-513	2
16	PACKING ELEMENT, 80 DURO	602-50-512	1
17	RUBBER SPACER	601-50-840	2
18	RUBBER RETAINER ASSEMBLY	602-50-850	1
19	RUBBER MANDREL (HT)	600-45-220HT	1
20	CONE	613-45-420	1
21	LOWER SLIP	600-50-135XX	4
22	LOWER SLIP SPRING	071-45-901	4
23	CONTROL BODY ASSEMBLY	610-50-335	1
24	DRAG BLOCK LEAF SPRING, DB 450 - DB 590	091-00-900	20
25	DRAG BLOCK, DB 570	090-57-900	4
26	RUBBER MANDREL CAP	600-45-230WS	1
27	J-BODY (HT), RH-RH	600-45-340HTWS	1
28	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	4
29	BOTTOM SUB	600-45-650HT	1
30	O-RING	050-90-228	1
			1

5" X 2-3/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 4.000 OD

603-52-H

CASING RANGE: 18.0 - 20.8#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-45-610AY	1
2	SPRING CAGE CAP	600-45-810WS	1
3	SPRING CAGE ASSEMBLY (HT)	600-50-310HTWS	1
4	SPRING RETAINING RING	600-45-820	1
5	FOLLOWER SPRING	600-45-920	1
6	UPPER SLIP	600-50-115XX	2
7	RELEASING SLIP	600-50-125XX	1
8	UPPER SLIP SPRING	071-45-902	6
9	INNER MANDREL (HT)	600-45-210HT	1
10	UPPER CONE (HT)	600-45-410HT	1
11	SEAL ASSEMBLY	600-45-520	1
12	O-RING	050-90-145	1
13	CENTRAL COUPLING	602-52-620	1
14	O-RING	050-90-232	1
15	PACKING ELEMENT, 90 DURO	602-52-513	2
16	PACKING ELEMENT, 80 DURO	602-52-512	1
17	RUBBER SPACER	601-52-840	2
18	RUBBER RETAINER	602-52-850	1
19	RUBBER MANDREL (HT)	600-45-220HT	1
20	CONE	613-45-420	1
21	LOWER SLIP	600-50-135XX	4
22	LOWER SLIP SPRING	071-45-901	4
23	CONTROL BODY ASSEMBLY	610-50-335	1
24	DRAG BLOCK LEAF SPRING, DB 450 - DB 590	091-00-900	20
25	DRAG BLOCK, DB 560	090-56-900	4
26	RUBBER MANDREL CAP	600-45-230WS	1
27	J-BODY (HT), RH-RH	600-45-340HTWS	1
28	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	4
29	BOTTOM SUB	600-45-650HT	1
30	O-RING	050-90-228	1

5-1/2" X 2-3/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 4.625 OD

603-55-H

CASING RANGE: 14.0 - 20.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-55-610AYWLS	1
2	SPRING CAGE CAP	600-55-810WLS	1
3	SPRING CAGE	603-55-310WLS	1
4	FOLLOWER SPRING	603-55-920	1
5	SPRING RETAINING RING	600-55-820	1
6	UPPER ASSEMBLY SLIP BODY (HT)	603-55-320HT	1
7	UPPER SLIP SPRING	071-55-902	6
8	UPPER SLIP	600-55-115XX	2
9	RELEASING SLIP	600-55-125XX	1
10	INNER MANDREL (HT)	603-55-210HT	1
11	UPPER CONE	603-55-411HT	1
12	SEAL ASSEMBLY	600-55-520	1
13	O-RING	050-90-149	1
14	CENTER COUPLING	603-55-620	1
15	O-RING	050-90-234	1
16	GAGE RING	602-55-830	1
17	PACKING ELEMENT, 90 DURO	602-55-513	2
18	PACKING ELEMENT, 80 DURO	602-55-512	1
19	RUBBER SPACER	602-55-840	2
20	RUBBER RETAINER	602-55-850	1
21	RUBBER MANDREL (HT)	600-55-220HT	1
22	LOWER CONE	613-55-420	1
23	SLIP	710-55-110	4
24	LOWER SLIP SPRING	071-55-900	8
25	CONTROL BODY ASSEMBLY	610-55-335	1
26	DRAG BLOCK, DB 550	090-55-900	4
27	DRAG BLOCK LEAF SPRING, DB 450 - DB 590	091-00-900	20
28	DRAG BLOCK RETAINER	600-55-910	1
29	RUBBER MANDREL CAP	600-55-230WLS	1
30	J-BODY (HT), RH-RH	603-55-340HTWLS	1
31	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
32	BOTTOM SUB	603-55-650HT	1
33	O-RING	050-90-228	1

5-1/2" X 2-7/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 4.625 OD

603-56-H

CASING RANGE: 15.5 - 17.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	603-56-610HTWLS	1
2	SPRING CAGE CAP	600-56-810WLS	1
3	SPRING CAGE ASSEMBLY (HT)	603-56-325HTWLS	1
4	FOLLOWER SPRING	600-60-975	1
5	UPPER SLIP	600-56-115XX	2
6	RELEASING SLIP	600-56-125XX	1
7	UPPER SLIP SPRING	071-55-902	6
8	INNER MANDREL (HT)	603-56-215HT	1
9	UPPER CONE (HT)	603-59-415HT	1
10	BEARING BUSHING	603-59-224	1
11	SEAL ASSEMBLY	600-56-520	1
12	O-RING	050-90-151	1
13	CENTER COUPLING	600-56-621	1
14	O-RING	050-90-235	1
15	GAGE RING	602-56-830	1
16	PACKING ELEMENT, 90 DURO	602-56-513	2
17	PACKING ELEMENT, 80 DURO	602-56-512	1
18	RUBBER SPACER	602-59-840	2
19	RUBBER RETAINER	602-56-850	1
20	RUBBER MANDREL (HT)	603-56-220HT	1
21	LOWER CONE (HT)	600-56-420HT	1
22	LOWER SLIP	600-56-135XX	4
23	LOWER SLIP SPRING	071-55-900	8
24	CONTROL BODY ASSEMBLY	610-56-335	1
25	DRAG BLOCK LEAF SPRING, DB 450 - DB 590	091-00-900	20
26	DRAG BLOCK, DB 550	090-55-900	4
27	DRAG BLOCK RETAINER	600-56-910	1
28	RUBBER MANDREL CAP	600-56-230WS	1
29	J-BODY (HT), RH-RH	603-56-345HTWLS	1
30	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	3
31	BOTTOM SUB	600-56-655HT	1
32	O-RING	050-90-231	1

5-1/2" X 2-3/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 4.500 OD

603-57-H

CASING RANGE: 20.0 - 23.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-55-610AYWLS	1
2	SPRING CAGE CAP	600-57-810WLS	1
3	SPRING CAGE	603-55-310WLS	1
4	FOLLOWER SPRING	603-55-920	1
5	SPRING RETAINING RING	600-55-820	1
6	UPPER SLIP BODY ASSEMBLY (HT)	603-55-320HT	1
7	UPPER SLIP SPRING	071-55-902	6
8	UPPER SLIP	600-55-115XX	2
9	RELEASING SLIP	600-55-125XX	1
10	INNER MANDREL (HT)	603-57-210HT	1
11	UPPER CONE	603-55-411HT	1
12	SEAL ASSEMBLY	600-55-520	1
13	O-RING	050-90-149	1
14	CENTER COUPLING	603-55-620	1
15	O-RING	050-90-234	1
16	GAGE RING	602-57-830	1
17	PACKING ELEMENT, 90 DURO	602-57-513	2
18	PACKING ELEMENT, 80 DURO	602-57-512	1
19	RUBBER SPACER	602-57-840	2
20	RUBBER RETAINER	602-57-850	1
21	RUBBER MANDREL (HT)	600-57-220HT	1
22	LOWER CONE	613-55-420	1
23	SLIP	710-55-110	4
24	LOWER SLIP SPRING	071-55-900	8
25	CONTROL BODY ASSEMBLY	610-57-335	1
26	DRAG BLOCK, DB 450	090-45-900	4
27	DRAG BLOCK LEAF SPRING, DB 450 - DB 590	091-00-900	20
28	DRAG BLOCK RETAINER	600-57-910	1
29	RUBBER MANDREL CAP	600-55-230WLS	1
30	J-BODY (HT), RH-RH	603-55-340HTWLS	1
31	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
32	BOTTOM SUB	603-55-650HT	1
33	O-RING	050-90-228	1

5-1/2" x 2-7/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 4.500 OD

603-59-H

CASING RANGE: 20.0 - 23.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/7 EU 8RD	603-56-610HTWLS	1
2	SPRING CAGE CAP	600-59-810WLS	1
3	SPRING CAGE ASSEMBLY (HT)	603-56-325HTWLS	1
4	FOLLOWER SPRING	600-60-975	1
5	UPPER SLIP	600-56-115XX	2
6	RELEASING SLIP	600-56-125XX	1
7	UPPER SLIP SPRING	071-55-902	6
8	INNER MANDREL (HT)	603-59-215HT	1
9	UPPER CONE (HT)	603-59-415HT	1
10	BEARING BUSHING	603-59-224	1
11	SEAL ASSEMBLY	600-56-520	1
12	O-RING	050-90-151	1
13	CENTER COUPLING	600-56-621	1
14	O-RING	050-90-235	1
15	GAGE RING	602-59-830	1
16	PACKING ELEMENT, 90 DURO	602-59-513	2
17	PACKING ELEMENT, 80 DURO	602-59-512	1
18	RUBBER SPACER	602-59-840	2
19	RUBBER RETAINER	602-59-850	1
20	RUBBER MANDREL	603-59-220HT	1
21	LOWER CONE (HT)	600-56-420HT	1
22	LOWER SLIP	600-56-135XX	4
23	LOWER SLIP SPRING	071-55-900	8
24	CONTROL BODY ASSEMBLY	610-59-330	1
25	DRAG BLOCK LEAF SPRING, DB 450 - DB 590	091-00-900	16
26	DRAG BLOCK, DB 450	090-45-900	4
27	DRAG BLOCK RETAINER	600-59-910	1
28	RUBBER MANDREL CAP	600-56-230WLS	1
29	J-BODY (HT), RH-RH	603-56-345HTWLS	1
30	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	3
31	BOTTOM SUB	600-56-655HT	1
32	O-RING	050-90-231	1

7" X 2-7/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 5.875 OD

603-70-H

CASING RANGE: 26.0 - 32.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	603-70-610	1
2	SPRING CAGE CAP	600-73-810	1
3	SPRING CAGE	603-73-310	1
4	FOLLOWER SPRING	603-73-920	1
5	SPRING RETAINING RING	600-73-820	1
6	UPPER SLIP BODY ASSEMBLY	600-73-320	1
7	UPPER SLIP	600-73-115X	2
8	RELEASING SLIP	600-73-125	1
9	UPPER SLIP SPRING	071-10-901	6
10	INNER MANDREL	603-70-211	1
11	COVER RING	603-70-105	1
12	SOC. SET SCREW, 5/16-18 X 5/16	003-C5-005	3
13	SNAP RING	603-70-102	1
14	SWIVEL SLEEVE	603-70-100	1
15	BEARING RING	603-70-103	2
16	UPPER CONE COLLET	603-70-411	1
17	BEARING BUSHING	603-70-225	1
18	CENTER COUPLING	603-70-620	1
19	O-RING	050-90-242	1
20	SEAL ASSEMBLY	600-70-520	1
21	O-RING	050-90-152	1
22	RUBBER MANDREL ASSEMBLY	603-70-220	1
23	GAGE RING	602-70-830	1
24	PACKING ELEMENT, 90 DURO	602-70-513	2
25	PACKING ELEMENT, 80 DURO	602-70-512	1
26	RUBBER SPACER	611-70-840	2
27	RUBBER RETAINER	603-70-850	1
28	LOWER CONE	613-70-420	1
29	SLIP	710-70-110	4
30	SLIP LEAF SPRING	071-70-900	8
31	CONTROL BODY ASSEMBLY	610-70-330	1
32	DRAG BLOCK, DB 700	090-70-900	4
33	DRAG BLOCK LEAF SPRING	091-01-900	24
34	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
35	DRAG BLOCK RETAINER	600-70-910	1
36	RETAINING RING	600-70-911	1
37	RUBBER MANDREL CAP	600-70-230	1
38	BOTTOM SUB	603-70-634	1
39	O-RING	050-90-233	1
40	J-BODY ASSEMBLY, RH-RH	603-70-340	1
41	NIPPLE, P-110, 2-7/8 EU 8RD	600-56-636HT	1

7" X 2-7/8" ARROWSET I-X HT PACKER

COMPLETE ASSEMBLY, 6.000 OD

603-72-H

CASING RANGE: 17.0 - 26.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	603-70-610	1
2	SPRING CAGE CAP	600-74-810	1
3	SPRING CAGE	603-73-310	1
4	FOLLOWER SPRING	603-73-920	1
5	SPRING RETAINING RING	600-73-820	1
6	UPPER SLIP BODY ASSEMBLY	600-73-320	1
7	UPPER SLIP	600-73-115X	2
8	RELEASING SLIP	600-73-125	1
9	UPPER SLIP SPRING	071-10-901	6
10	INNER MANDREL	603-70-211	1
11	COVER RING	603-70-105	1
12	SOC. SET SCREW, 5/16-18 X 5/16	003-C5-005	3
13	SNAP RING	603-70-102	1
14	SWIVEL SLEEVE	603-70-100	1
15	BEARING RING	603-70-103	2
16	UPPER CONE COLLET	603-70-411	1
17	BEARING BUSHING	603-70-225	1
18	CENTER COUPLING	603-70-620	1
19	O-RING	050-90-242	1
20	SEAL ASSEMBLY	600-70-520	1
21	O-RING	050-90-152	1
22	RUBBER MANDREL ASSEMBLY	603-70-220	1
23	GAGE RING	602-72-830	1
24	PACKING ELEMENT, 90 DURO	602-72-513	2
25	PACKING ELEMENT, 80 DURO	602-72-512	1
26	RUBBER SPACER	611-72-840	2
27	RUBBER RETAINER	603-72-850	1
28	LOWER CONE	613-70-420	1
29	SLIP	710-70-110	4
30	SLIP LEAF SPRING	071-70-900	8
31	CONTROL BODY ASSEMBLY	610-70-330	1
32	DRAG BLOCK, DB 800	090-80-900	4
33	DRAG BLOCK LEAF SPRING	091-01-900	24
34	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
35	DRAG BLOCK RETAINER	600-72-910	1
36	RETAINING RING	600-70-911	1
37	RUBBER MANDREL CAP	600-70-230	1
38	BOTTOM SUB	603-70-634	1
39	O-RING	050-90-233	1
40	J-BODY ASSEMBLY, RH-RH	603-70-340	1
41	NIPPLE N 80 2 7/8 EU	600-56-636HT	1

7-5/8" X 2-7/8" ARROWSET I-X HPHT PACKER

COMPLETE ASSEMBLY, 6.453 OD

603-75-HPHT

CASING RANGE: 33.7 - 39.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	603-70-610	1
2	SPRING CAGE CAP	600-73-810	1
3	SPRING CAGE	603-73-310	1
4	FOLLOWER SPRING	603-73-920	1
5	SPRING RETAINING RING	600-73-820	1
6	UPPER SLIP SUPPORT	603-77-880	1
7	UPPER SLIP BODY ASSEMBLY	603-77-320	1
8	UPPER SLIP	600-75-115	2
9	RELEASING SLIP	600-75-125	1
10	UPPER SLIP SPRING	071-10-901	6
11	INNER MANDREL	603-70-211	1
12	COVER RING	603-70-105	1
13	SOC. SET SCREW, 5/16-18 X 5/16	003-C5-005	3
14	SNAP RING	603-70-102	1
15	SWIVEL SLEEVE	603-70-100	1
16	BEARING RING	603-70-103	2
17	UPPER CONE	603-75-410	1
18	BEARING BUSHING	603-70-225	1
19	CENTER COUPLING	603-70-620	1
20	O-RING	050-A9-242	1
21	DUALPAC SEAL	603-75-535	1
22	RUBBER MANDREL ASSEMBLY	603-75-220	1
23	GAGE RING	603-75-830	1
24	PACKING ELEMENT, 70 DURO	603-75-500PREM	1
25	RUBBER RETAINER	603-75-850	1
26	LOWER CONE	600-75-420	1
27	SLIP	710-75-110	4
28	SLIP LEAF SPRING	071-70-900	8
29	CONTROL BODY ASSEMBLY	600-75-330	1
30	LOWER SLIP SUPPORT	600-75-912	1
31	SOC. CAP SCREW, 1/2-13 X 3/4	002-C8-012	2
32	DRAG BLOCK, DB 600	090-60-900	6
33	DRAG BLOCK LEAF SPRING	091-01-900	36
34	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
35	DRAG BLOCK RETAINER	600-75-910	1
36	RETAINING RING	600-75-911	1
37	RUBBER MANDREL CAP	600-70-230	1
38	BOTTOM SUB	603-70-634	1
39	O-RING	050-A9-233	1
40	J-BODY ASSEMBLY, RH-RH	603-70-340	1
41	NIPPLE, P-110, 2-7/8 EU 8RD	600-56-636HT	1

9-5/8" X 4-1/2" ARROWSET I-X HPHT PACKER

COMPLETE ASSEMBLY, 8.250 OD

603-95-H

CASING RANGE: 43.5 - 53.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	600-95-610AY	1
2	SPRING CAGE CAP	600-95-810	1
3	SPRING CAGE	603-95-310	1
4	FOLLOWER SPRING	603-95-920	1
5	SPRING RETAINING RING	600-95-888	1
6	UPPER SLIP BODY ASSEMBLY	603-95-320	1
7	UPPER SLIP SUPPORT	603-95-880	1
8	UPPER SLIP SPRING	071-10-901	6
9	UPPER SLIP	725-95-110	2
10	RELEASING SLIP	725-95-130	1
11	MANDREL	603-95-213	1
12	SWIVEL SLEEVE CAP	603-95-105	1
13	SWIVEL SLEEVE	603-95-100	1
14	BEARING	603-95-103	1
15	SNAP RING	600-97-102	1
16	UPPER CONE	603-95-414	1
17	THRUST RING	600-97-104	1

18	SEAL ASSEMBLY	600-95-520	1
19	CENTRAL COUPLING	602-97-620	1
20	O-RING	050-90-160	2
21	GAGE RING	602-95-830	1
22	PACKING ELEMENT, 90 DURO	725-95-523	2
23	PACKING ELEMENT, 70 DURO	725-95-521	1
24	RUBBER SPACER	602-95-840	2
25	RUBBER RETAINER	602-95-850	1
26	RUBBER MANDREL	600-95-220AY	1
27	LOWER CONE	603-95-420	1
28	LOWER SLIP	725-95-135	4
29	LOWER SLIP SPRING	071-10-900	8
30	CONTROL BODY ASSEMBLY	603-95-330	1
31	LOWER SLIP SUPPORT	603-95-912	1
32	DRAG BLOCK, DB 800	090-80-900	8
33	DRAG BLOCK LEAF SPRING	091-01-900	48
34	LOWER SLIP SUPPORT SCREW	600-95-339	2
35	SOC. SET SCREW, 3/8-16 X 5/8	003-C6-010	3
36	DRAG BLOCK RETAINER	603-95-910	1
37	RUBBER MANDREL CAP	600-95-230	1
38	RETAINING RING	600-95-911	1
39	J-BODY ASSEMBLY	603-95-340	1
40	BOTTOM SUB ASSEMBLY, 4-1/2 EU 8RD	603-95-650	1
41	O-RING	050-90-349	1

9-5/8" X 4-1/2" ARROWSET I-X HPHT PACKER

COMPLETE ASSEMBLY, 8.500 OD

603-96-H

CASING RANGE: 32.3 - 43.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 4-1/2 EU 8RD	600-95-610	1
2	SPRING CAGE CAP	600-95-810	1
3	SPRING CAGE	603-95-310	1
4	FOLLOWER SPRING	603-95-920	1
5	UPPER SLIP BODY ASSEMBLY	603-95-320	1
6	UPPER SLIP SUPPORT	600-95-880	1
7	UPPER SLIP SPRING	071-10-901	6
8	UPPER SLIP	600-95-111	2
9	RELEASING SLIP	600-95-121	1
10	INNER MANDREL	603-95-210	1
11	UPPER CONE	603-95-410	1
12	SEAL ASSEMBLY	600-95-520	1
13	CENTRAL COUPLING	600-95-620	1
14	O-RING	050-90-160	2
15	GAGE RING	602-96-830	1
16	PACKING ELEMENT, 90 DURO	602-96-513	2
17	PACKING ELEMENT, 70 DURO	602-96-511	1
18	RUBBER SPACER	602-96-840	2
19	RUBBER RETAINER	602-96-850	1
20	RUBBER MANDREL	600-95-220	1
21	LOWER CONE	603-95-420	1
22	SLIP	710-95-110	4
23	LOWER SLIP SPRING	071-10-900	8
24	CONTROL BODY ASSEMBLY	603-95-330	1
25	LOWER SLIP SUPPORT	603-95-912	1
26	DRAG BLOCK, DB 800	090-80-900	8
27	DRAG BLOCK LEAF SPRING	091-01-900	48
28	LOWER SLIP SUPPORT SCREW	600-95-339	2
29	SOC. SET SCREW, 3/8-16 X 5/8	003-C6-010	3
30	DRAG BLOCK RETAINER	603-95-910	1
31	RUBBER MANDREL CAP	600-95-230	1
32	RETAINING RING	600-95-911	1
33	J-BODY ASSEMBLY	603-95-340	1
34	BOTTOM SUB ASSEMBLY, 4-1/2 EU 8RD	603-95-650	1
35	O-RING	050-90-349	1

4-1/2" X 2-3/8" ARROWSET I-X WIRELINE SET PACKER

COMPLETE ASSEMBLY, 3.750 OD

603-45-WS

CASING RANGE: 9.5 - 13.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-45-610	1
2	SPRING CAGE CAP	603-45-810WS	1
3	SPRING CAGE ASSEMBLY	603-45-320WS	1
4	FOLLOWER SPRING	600-45-920	1
5	UPPER SLIP	600-45-115XX	2
6	RELEASING SLIP	600-45-125XX	1
7	UPPER SLIP SPRING	071-45-902	3
8	INNER MANDREL	600-45-210	1
9	UPPER CONE	600-45-410	1
10	SEAL ASSEMBLY	600-45-520	1
11	O-RING	050-90-145	1
12	CENTRAL COUPLING	602-45-620	1
13	O-RING	050-90-232	1
14	PACKING ELEMENT, 90 DURO	602-45-513	2
15	PACKING ELEMENT, 70 DURO	602-45-511	1
16	RUBBER SPACER	611-45-840	2
17	RUBBER RETAINER	602-45-850	1
18	RUBBER MANDREL	600-45-220	1
19	CONE	613-45-420	1
20	LOWER SLIP	600-45-135XX	4
21	LOWER SLIP SPRING	071-45-901	4
22	CONTROL BODY ASSEMBLY	610-45-335	1
23	RUBBER MANDREL CAP	603-45-230WS	1
24	J-BODY ASSEMBLY, RH-RH	603-45-340WS	1
25	SOC. SET SCREW 1/4-20 X 3/8	003-C4-006	4
26	BOTTOM SUB ASSEMBLY	600-45-650	1
27	O-RING	050-90-228	1
28	SHEAR SCREW	603-45-700	16
29	SHIPPING BOLT	603-56-700	4

5-1/2" X 2-3/8" ARROWSET I-X WIRELINE SET PACKER

COMPLETE ASSEMBLY

603-55-WLS

CASING RANGE: 14.0 - 20.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-55-610WLS	1
2	SPRING CAGE CAP	600-55-810WLS	1
3	SPRING CAGE	603-55-310WLS	1
4	FOLLOWER SPRING	603-55-920	1
5	SPRING RETAINING RING	600-55-820	1
6	UPPER SLIP BODY ASSEMBLY	603-55-320	1
7	UPPER SLIP SPRING	071-55-902	6
8	UPPER SLIP	600-55-115XX	2
9	RELEASING SLIP	600-55-125XX	1
10	INNER MANDREL	603-55-210	1
11	UPPER CONE	603-55-411	1
12	SEAL ASSEMBLY	600-55-520	1
13	O-RING	050-90-149	1
14	CENTER COUPLING	603-55-620	1
15	O-RING	050-90-234	1
16	GAGE RING	602-55-830	1
17	PACKING ELEMENT, 90 DURO	602-55-513	2
18	PACKING ELEMENT, 70 DURO	602-55-511	1
19	RUBBER SPACER	602-55-840	2
20	RUBBER RETAINER	602-55-850	1
21	RUBBER MANDREL	600-55-220	1
22	LOWER CONE	613-55-420	1
23	SLIP	710-55-110	4
24	LOWER SLIP SPRING	071-55-900	8
25	CONTROL BODY ASSEMBLY	610-55-335	1
26	DRAG BLOCK RETAINER	600-55-910	1
27	RUBBER MANDREL CAP	600-55-230WLS	1
28	J-BODY ASSEMBLY, RH-RH	603-55-340WLS	1
29	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
30	BOTTOM SUB ASSEMBLY	603-55-650	1
31	O-RING	050-90-228	1
32	SHEAR SCREW	603-55-700	24
33	SHIPPING BOLT	603-56-700	4

5-1/2" X 2-3/8" ARROWSET I-X WIRELINE SET PACKER

COMPLETE ASSEMBLY

603-57-WLS

CASING RANGE: 20.0 - 23.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	600-55-610WLS	1
2	SPRING CAGE CAP	600-57-810WLS	1
3	SPRING CAGE	603-55-310WLS	1
4	FOLLOWER SPRING	603-55-920	1
5	SPRING RETAINING RING	600-55-820	1
6	UPPER SLIP BODY ASSEMBLY	603-55-320	1
7	UPPER SLIP SPRING	071-55-902	6
8	UPPER SLIP	600-55-115XX	2
9	RELEASING SLIP	600-55-125XX	1
10	INNER MANDREL	603-57-210	1
11	UPPER CONE	603-55-411	1
12	SEAL ASSEMBLY	600-55-520	1
13	O-RING	050-90-149	1
14	CENTER COUPLING	603-55-620	1
15	O-RING	050-90-234	1
16	GAGE RING	602-57-830	1
17	PACKING ELEMENT, 90 DURO	602-57-513	2
18	PACKING ELEMENT, 70 DURO	602-57-511	1
19	RUBBER SPACER	602-57-840	2
20	RUBBER RETAINER	602-57-850	1
21	RUBBER MANDREL	600-57-220	1
22	LOWER CONE	613-55-420	1
23	SLIP	710-55-110	4
24	LOWER SLIP SPRING	071-55-900	8
25	CONTROL BODY ASSEMBLY	610-57-335	1
26	DRAG BLOCK RETAINER	600-57-910	1
27	RUBBER MANDREL CAP	600-55-230WLS	1
28	J-BODY ASSEMBLY, RH-RH	603-55-340WLS	1
29	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
30	BOTTOM SUB ASSEMBLY	603-55-650	1
31	O-RING	050-90-228	1
32	SHEAR SCREW	603-55-700	24
33	SHIPPING BOLT	603-56-700	4



Wholesale Product List

5-1/2" X 2-7/8" ARROWSET I-X WIRELINE SET PACKER

COMPLETE ASSEMBLY, 4.625 OD

603-56-WLS

CASING RANGE: 15.5 - 20.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	603-56-610WLS	1
2	SPRING CAGE CAP	600-56-810WLS	1
3	SPRING CAGE ASSEMBLY	603-56-325WLS	1
4	FOLLOWER SPRING	600-60-975	1
5	UPPER SLIP	600-56-115XX	2
6	RELEASING SLIP	600-56-125XX	1
7	UPPER SLIP SPRING	071-55-902	6
8	INNER MANDREL	603-56-215	1
9	UPPER CONE	603-59-415	1
10	BEARING BUSHING	603-59-224	1
11	SEAL ASSEMBLY	600-56-520	1
12	O-RING	050-90-151	1
13	CENTER COUPLING	600-56-621	1
14	O-RING	050-90-235	1
15	GAGE RING	602-56-830	1
16	PACKING ELEMENT, 90 DURO	602-56-513	2
17	PACKING ELEMENT, 70 DURO	602-56-511	1
18	RUBBER SPACER	602-59-840	2
19	RUBBER RETAINER	602-56-850	1
20	RUBBER MANDREL	603-56-220	1
21	LOWER CONE	600-56-420	1
22	LOWER SLIP	600-56-135XX	4
23	LOWER SLIP SPRING	071-55-900	8
24	CONTROL BODY ASSEMBLY	610-56-335	1
25	DRAG BLOCK RETAINER	600-56-910	1
26	RUBBER MANDREL CAP	600-56-230WLS	1
27	J-BODY ASSEMBLY, RH-RH	603-56-345WLS	1
28	SOC. SET SCREW 3/8-16 X 3/8	003-C6-006	3
29	BOTTOM SUB ASSEMBLY	600-56-655	1
30	O-RING	050-90-231	1
31	SHEAR SCREW	603-55-700	16
32	SHIPPING BOLT	603-56-700	4
33	SHEAR SCREW	603-55-800	8

5-1/2" X 2-7/8" ARROWSET I-X WIRELINE SET PACKER

COMPLETE ASSEMBLY

603-59-WLS

CASING RANGE: 20.0 - 23.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	603-56-610WLS	1
2	SPRING CAGE CAP	600-59-810WLS	1
3	SPRING CAGE ASSEMBLY	603-56-325WLS	1
4	FOLLOWER SPRING	600-60-975	1
5	UPPER SLIP	600-56-115XX	2
6	RELEASING SLIP	600-56-125XX	1
7	UPPER SLIP SPRING	071-55-902	6
8	INNER MANDREL	603-59-215	1
9	UPPER CONE	603-59-415	1
10	BEARING BUSHING	603-59-224	1
11	SEAL ASSEMBLY	600-56-520	1
12	O-RING	050-90-151	1
13	CENTER COUPLING	600-56-621	1
14	O-RING	050-90-235	1
15	GAGE RING	602-59-830	1
16	PACKING ELEMENT, 90 DURO	602-59-513	2
17	PACKING ELEMENT, 70 DURO	602-59-511	1
18	RUBBER SPACER	602-59-840	2
19	RUBBER RETAINER	602-59-850	1
20	RUBBER MANDREL	603-59-220	1
21	LOWER CONE	600-56-420	1
22	LOWER SLIP	600-56-135XX	4
23	LOWER SLIP SPRING	071-55-900	8
24	CONTROL BODY ASSEMBLY	610-59-330	1
25	DRAG BLOCK RETAINER	600-59-910	1
26	RUBBER MANDREL CAP	600-56-230WLS	1
27	J-BODY ASSEMBLY, RH-RH	603-56-345WLS	1
28	SOC. SET SCREW 3/8-16 X 3/8	003-C6-006	3
29	BOTTOM SUB ASSEMBLY	600-56-655	1
30	O-RING	050-90-231	1
31	SHEAR SCREW	603-55-700	16
32	SHIPPING BOLT	603-56-700	4
33	SHEAR SCREW	603-55-800	8

7" X 2-7/8" ARROWSET I-X WIRELINE SET PACKER

COMPLETE ASSEMBLY, 5.875 OD

603-70-WLS

CASING RANGE: 26.0 - 32.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	SOC. SET SCREW, 5/16-18 X 1/2	003-C5-008	3
2	O-RING	050-90-152	1
3	O-RING	050-90-233	1
4	O-RING	050-90-242	1
5	UPPER SLIP SPRING	071-10-901	6
6	SLIP LEAF SPRING	071-70-900	8
7	UPPER SLIP	600-70-112	2
8	RELEASING SLIP	600-70-122	1
9	RUBBER MANDREL CAP	600-70-230WLS	1
10	SEAL ASSEMBLY	600-70-520	1
11	SPRING CAGE CAP	600-70-810WLS	1
12	SPRING RETAINING RING	600-70-820	1
13	DRAG BLOCK RETAINER	600-70-910	1
14	RETAINING RING	600-70-911	1
15	PACKING ELEMENT, 70 DURO	602-70-511	1
16	PACKING ELEMENT, 90 DURO	602-70-513	2
17	GAGE RING	602-70-830	1
18	SHEAR SCREW	603-55-700	24
19	SHIPPING BOLT	603-56-700	4
20	INNER MANDREL	603-70-210	1
21	RUBBER MANDREL ASSEMBLY	603-70-220	1
22	BEARING BUSHING	603-70-224	1
23	SPRING CAGE	603-70-310WLS	1
24	UPPER SLIP BODY ASSEMBLY	603-70-320	1
25	J-BODY ASSEMBLY	603-70-340WLS	1
26	UPPER CONE	603-70-410	1
27	TOP SUB	603-70-610WLS	1
28	CENTER COUPLING	603-70-620	1
29	BOTTOM SUB ASSEMBLY, 2-7/8 EU 8RD	603-70-650	1
30	RUBBER RETAINER	603-70-850	1
31	FOLLOWER SPRING	603-70-920	1
32	CONTROL BODY ASSEMBLY	610-70-330	1
33	RUBBER SPACER	611-70-840	2
34	LOWER CONE	613-70-420	1
35	SLIP	710-70-110	4

ARROWSET I-XS INJECTION PACKER

COMPLETE ASSEMBLY

4 1/2", 5 1/2", 6 5/8" & 7" Options available

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

4-1/2" & 5" ULTRA-LOK PACKER

COMPLETE ASSEMBLY

43LS.10XX

CASING RANGE: A2: 11.6 - 13.5#
A4: 9.5 - 10.5#
B: 15.0 - 18.0#
C: 11.5 - 15.0#

STANDARD TWO PIECE PACKING ELEMENT SYSTEM IS 90-80 DUROMETER.
STANDARD THREE PIECE PACKING ELEMENT SYSTEM IS 90-80-90 DUROMETER.
PLEASE SPECIFY TWO OR THREE PIECE AND ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	23E23NC	1
2	MANDREL	43LS03	1
3	RETAINING RING	HR1009	1
4	BEARING RING	43LS05	1
5	BEARING	43LS06	1
6	SEAL RETAINER	43LS07	1
7	SEAL	43LS08	2
8	O-RING	050-90-147	1
9	GAGE RING, 9.5 - 13.5#	43R13-A	2
	GAGE RING, 15.0 - 18.0#	43R13-B	2
	GAGE RING, 11.5 - 15.0#	43R13-C	2
	TWO PIECE PACKING ELEMENT SYSTEM:		
10	PACKING ELEMENT, UPPER		
	90 DURO	43LS10-A90	1
	90 DURO	43LS10-B90	1
	90 DURO	43LS10-C90	1
11	ELEMENT SPACER	43R15-A	1
	ELEMENT SPACER	43R15-B	1
	ELEMENT SPACER	43R15-C	1

12	PACKING ELEMENT, LOWER		
	80 DURO	43LS12-A80	1
	80 DURO	43LS12-B80	1
	80 DURO	43LS12-C80	1
	THREE PIECE PACKING ELEMENT SYSTEM:		
13	PACKING ELEMENT, END		
	90 DURO	43LS22-A90	2
	90 DURO	43LS22-B90	2
	90 DURO	43LS22-C90	2
14	PACKING ELEMENT, CENTER		
	70 DURO	43LS23-A70	1
	70 DURO	43LS23-B70	1
	70 DURO	43LS23-C70	1
15	SUPPORT SLEEVE	43LS17	1
16	UPPER CONE	43LS14	1
17	TORQUE PIN	43LS16	2
18	SLIP, 9.5 - 13.5#	43LS15-A	8
	SLIP, 11.5 - 18.0#	43LS15-B	8
19	SLIP RING	43LS18	1
20	LOWER CONE	43LS19	1

Wholesale Product List

21	SOC. SET SCREW, 1/4-20 X 3/16	003-C4-003	1
22	LOCK SEGMENTS	43LS20	2 SEG.
23	CONTROL SEGMENT	43LS21	2 SEG.
24	GARTER SPRING	43PST27	2
25	SOC. CAP SCREW, 1/4-20 X 1/4	HC1000	4
26	DRAG BLOCK HOUSING SUB-ASSEMBLY	43LS25	1
27	DRAG BLOCK, 11.6 - 13.5#	43LS26-A2	4
	DRAG BLOCK, 9.5 - 10.5#	43LS26-A4	4
	DRAG BLOCK, 11.5 - 18.0#	43LS26-BC	4
28	SPRING	45R11	16
29	DRAG BLOCK RETAINER	43LS28	1
30	SOC. SET SCREW, 1/4-20 X 1/4	HA1007	1
31	CROSS-OVER	23N23EX	1
32	* OPTIONAL INCONNEL GARTER SPRING	43PST27X	2

5-1/2" ULTRA-LOK PACKER

COMPLETE ASSEMBLY, 2-3/8 EU
COMPLETE ASSEMBLY, 2-7/8 EU

45LS.10XX
45LS.10XX

CASING RANGE: A2: 20.0 - 23.0#
A4: 15.5 - 20.0#
B: 13.0 - 15.5#

STANDARD TWO PIECE PACKING ELEMENT SYSTEM IS 90-80 DUROMETER.
STANDARD THREE PIECE PACKING ELEMENT SYSTEM IS 90-80-90 DUROMETER.
PLEASE SPECIFY TWO OR THREE PIECE AND ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING, 2-3/8 EU	23E23EC	1
	COUPLING, 2-7/8 EU	27E23EC	1
2	MANDREL	45LS03	1
3	RETAINING RING	HR1010	1
4	BEARING RING	45LS05	1
5	BEARING	45LS06	1
6	SEAL RETAINER	45LS07	1
7	SEAL	45LS08	2
8	THREAD SEAL	45LS09	1
9	GAGE RING, 20.0 - 23.0#	45R13-A2	2
	GAGE RING, 15.5 - 20.0#	45R13-A4	2
	GAGE RING, 13.0 - 15.5#	45R13-B	2
	TWO PIECE PACKING ELEMENT SYSTEM:		
10	PACKING ELEMENT, UPPER		
	90 DURO	45LS10-A90	1
	90 DURO	45LS10-B90	1
11	ELEMENT SPACER	45R15-A	1
	ELEMENT SPACER	45R15-B	1
12	PACKING ELEMENT, LOWER		
	80 DURO	45LS12-A80	1
	80 DURO	45LS12-B80	1
	THREE PIECE PACKING ELEMENT SYSTEM:		
13	PACKING ELEMENT, END		
	90 DURO	45LS22-A90	2
	90 DURO	45LS22-B90	2
14	PACKING ELEMENT, CENTER		
	70 DURO	45LS23-A70	1
	70 DURO	45LS23-B70	1
15	SLEEVE	45LS16	1
16	UPPER CONE	45LS13	1
17	TORQUE PIN	45LS14	2
18	SLIP	45LS15	8
19	SLIP RING	45LS17	1

20	LOWER CONE	45LS18	1
21	SOC. SET SCREW, 5/16-18 X 1/4	HA1017	1
22	LOCK SEGMENTS	45LS20	2 SEG.
23	CONTROL SEGMENT	45LS21	2 SEG.
24	GARTER SPRING	43PST27	2
25	SOC. CAP SCREW, 5/16-18 X 5/16	HC1012	4
26	DRAG BLOCK HOUSING SUB-ASSEMBLY	45LS24	1
27	DRAG BLOCK, 15.5 - 23.0#	45LS25-A	4
	DRAG BLOCK, 13.0 - 15.5#	45LS25-B	4
28	DRAG BLOCK SPRING	45LS26	16
29	DRAG BLOCK RETAINER	45LS27	1
30	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	1
31	BOTTOM SUB, OPTIONAL FOR 2-7/8 EU	27E23EX	1
32	* OPTIONAL INCONNEL GARTER SPRING	43PST27X	2

7" ULTRA-LOK PACKER

COMPLETE ASSEMBLY, 2-7/8 EU
COMPLETE ASSEMBLY, 2-3/8 EU

47LS.10XX
47LS.10XX

CASING RANGE: A2: 38.0#
A4: 32.0 - 35.0#
B2: 26.0 - 29.0#
B4: 23.0 - 26.0#
C2: 17.0 - 20.0#

STANDARD TWO PIECE PACKING ELEMENT SYSTEM IS 90-80 DUROMETER.
STANDARD THREE PIECE PACKING ELEMENT SYSTEM IS 90-80-90 DUROMETER.
PLEASE SPECIFY TWO OR THREE PIECE AND ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING, 2-7/8 EU	27E27EC	1
	COUPLING, 2-3/8 EU	27E23EC	1
2	MANDREL	47LS03	1
3	RETAINING RING	HR1008	1
4	BEARING RING	47LS05	1
5	BEARING	47LS06	1
6	SEAL RETAINER	47LS07	1
7	SEAL	47LS08	2
8	O-RING	050-90-242	1
9	GAGE RING, 38.0#	47R13-A2	2
	GAGE RING, 32.0 - 35.0#	47R13-A4	2
	GAGE RING, 26.0 - 29.0#	47R13-B2	2
	GAGE RING, 23.0 - 26.0#	47R13-B4	2
	GAGE RING, 17.0 - 20.0#	47R13-C2	2
	TWO PIECE PACKING ELEMENT SYSTEM:		
10	PACKING ELEMENT, UPPER		
	90 DURO	47LS10-A90	1
	90 DURO	47LS10-B90	1
	90 DURO	47LS10-C90	1
11	ELEMENT SPACER	47R15-A	1
	ELEMENT SPACER	47R15-B	1
	ELEMENT SPACER	47R15-C	1
12	PACKING ELEMENT, LOWER		
	80 DURO	47LS12-A80	1
	80 DURO	47LS12-B80	1
	80 DURO	47LS12-C80	1
	THREE PIECE PACKING ELEMENT SYSTEM:		
13	PACKING ELEMENT, END		
	90 DURO	47LS22-A90	2
	90 DURO	47LS22-B90	2

Wholesale Product List

	90 DURO	47LS22-C90	2
14	PACKING ELEMENT, CENTER		
	70 DURO	47LS23-A70	1
	70 DURO	47LS23-B70	1
	70 DURO	47LS23-C70	1
15	UPPER CONE	47LS13	1
16	TORQUE PIN	47LS14	2
17	SLIP, 23.0 - 29.0#, 32 - 38.0#	47LS15-A	8
	SLIP, 17.0 - 20.0#	47LS15-C	8
18	SLIP RING	47LS17	1
19	LOWER CONE	47LS18	1
20	SOC. SET SCREW, 5/16-18 X 5/16	003-C5-005	1
21	LOCK SEGMENTS	47LS20	2 SEG.
22	CONTROL SEGMENT	47LS21	2 SEG.
23	SUPPORT SLEEVE	47LS16	1
24	LOWER SLEEVE	47LS19	1
25	GARTER SPRING	47PST27	2
26	SOC. CAP SCREW, 5/16-18 X 1/2	HC1004	4
27	DRAG BLOCK HOUSING SUB-ASSEMBLY	47LS24	1
28	DRAG BLOCK, 32 - 38.0#	47LS25-A	4
	DRAG BLOCK, 23.0 - 29.0#	47LS25-B	4
	DRAG BLOCK, 17.0 - 20.0#	47LS25-C	4
29	DRAG BLOCK SPRING	47LS26	16
30	DRAG BLOCK RETAINER	47LS27	1
31	SOC. SET SCREW, 1/4-20 X 5/16	HA1020	1
32	BOTTOM SUB, OPTIONAL FOR 2-3/8 EU	27E23EX	1
33	* OPTIONAL INCONNEL GARTER SPRING	47PST27X	2
34	OPTIONAL WHEN USED AS A ANCHOR	47LS30	1

7-5/8" ULTRA-LOK PACKER

COMPLETE ASSEMBLY

47LS.10XX

CASING RANGE: C4: 33.7 - 39.0#
D2: 24.0 - 29.7#
D4: 20.0 - 24.0#

STANDARD TWO PIECE PACKING ELEMENT SYSTEM IS 90-80 DUROMETER.

STANDARD THREE PIECE PACKING ELEMENT SYSTEM IS 90-80-90 DUROMETER.

PLEASE SPECIFY TWO OR THREE PIECE AND ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	27E27EC	1
2	MANDREL	47LS03	1
3	RETAINING RING	HR1008	1
4	BEARING RING	47LS05	1
5	BEARING	47LS06	1
6	SEAL RETAINER	47LS07	1
7	SEAL	47LS08	2
8	O-RING	050-90-242	1
9	GAGE RING, 33.7 - 39.0#	47R13-C4	2
	GAGE RING, 24.0 - 29.7#	47R13-D2	2
	GAGE RING, 20.0 - 24.0#	47R13-D4	2
	TWO PIECE PACKING ELEMENT SYSTEM:		
10	PACKING ELEMENT, UPPER		
	90 DURO	47LS10-C90	1
	90 DURO	47LS10-D90	1
11	ELEMENT SPACER	47R15-C	1
	ELEMENT SPACER	47R15-D	1
12	PACKING ELEMENT, LOWER		
	80 DURO	47LS12-C80	1
	80 DURO	47LS12-D80	1
	THREE PIECE PACKING ELEMENT SYSTEM:		
13	PACKING ELEMENT, END		
	90 DURO	47LS22-C90	2
	90 DURO	47LS22-D90	2
14	PACKING ELEMENT, CENTER		
	70 DURO	47LS23-C70	1
	70 DURO	47LS23-D70	1
15	UPPER CONE	47LS13	1

Wholesale Product List

16	TORQUE PIN	47LS14	2
17	SLIP	47LS15-C	8
18	SLIP RING	47LS17	1
19	LOWER CONE	47LS18	1
20	SOC. SET SCREW, 5/16-18 X 5/16	003-C5-005	1
21	LOCK SEGMENTS	47LS20	2 SEG.
22	CONTROL SEGMENT	47LS21	2 SEG.
23	UPPER SLEEVE	47LS16	1
24	LOWER SLEEVE	47LS19	1
25	GARTER SPRING	47PST27	2
26	SOC. CAP SCREW, 5/16-18 X 1/2	HC1004	4
27	DRAG BLOCK HOUSING SUB-ASSEMBLY	47LS24	1
28	DRAG BLOCK	47LS25-C	4
29	DRAG SPRING	47LS26	16
30	DRAG BLOCK RETAINER	47LS27	1
31	SOC. SET SCREW, 1/4-20 X 5/16	HA1020	1

8-5/8" ULTRA-LOK PACKER

COMPLETE ASSEMBLY

49LS.10XX

CASING RANGE: A2: 44.0 - 49.0#
A4: 32.0 - 40.0#
B: 20.0 - 28.0#

STANDARD TWO PIECE PACKING ELEMENT SYSTEM IS 90-80 DUROMETER.

STANDARD THREE PIECE PACKING ELEMENT SYSTEM IS 90-80-90 DUROMETER.

PLEASE SPECIFY TWO OR THREE PIECE AND ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	40N35EC	1
2	MANDREL	49LS03	1
3	RETAINING RING	HR1011	1
4	BEARING RING	49LS05	1
5	BEARING	49LS06	1
6	SEAL RETAINER	49LS07	1
7	SEAL REMOVAL RING	49LS04	1
8	SEAL	49LS08	2
9	O-RING	050-90-251	1
10	GAGE RING, 44.0 - 49.0#	49R13-A2	2
	GAGE RING, 32.0 - 40.0#	49R13-A4	2
	GAGE RING, 20.0 - 28.0#	49R13-B	2
	TWO PIECE PACKING ELEMENT SYSTEM:		
11	PACKING ELEMENT, UPPER		
	90 DURO	49LS10-A90	1
	90 DURO	49LS10-B90	1
12	ELEMENT SPACER	49R15-A	1
	ELEMENT SPACER	49R15-B	1
13	PACKING ELEMENT, LOWER		
	80 DURO	49LS12-A80	1
	80 DURO	49LS12-A80	1
	THREE PIECE PACKING ELEMENT SYSTEM:		
14	PACKING ELEMENT, END		
	90 DURO	49LS22-A90	2
	90 DURO	49LS22-B90	2

Wholesale Product List

15	PACKING ELEMENT, CENTER		
	70 DURO	49LS23-A70	1
	70 DURO	49LS23-B70	1
16	SUPPORT SLEEVE	49LS16	1
17	UPPER CONE	49LS13	1
18	TORQUE PIN	49LS14	2
19	SLIP	49LS15	8
20	LOWER SLEEVE	49LS19	1
21	SLIP RING	49LS17	1
22	LOWER CONE	49LS18	1
23	SOC. SET SCREW	HA1007	1
24	LOCK SEGMENT	49LS20	2 SEG.
25	CONTROL SEGMENT	49LS21	2 SEG.
26	GARTER SPRING	49LS29	2
27	SOC. CAP SCREW	HC1006	4
28	DRAG BLOCK HOUSING SUB-ASSEMBLY	49LS24	1
29	DRAG BLOCK	47LS25-B	4
30	SPRING	51R11	16
31	DRAG BLOCK RETAINER	49LS27	1
32	SOC. SET SCREW	HA1007	1
33	CROSS-OVER	40N35EX	1

9-5/8" ULTRA-LOK PACKER

COMPLETE ASSEMBLY

51LS.10XX

CASING RANGE: A2: 47.0 - 53.5#
A4: 40.0 - 47.0#
B: 29.3 - 36.0#

STANDARD TWO PIECE PACKING ELEMENT SYSTEM IS 90-80 DUROMETER.
STANDARD THREE PIECE PACKING ELEMENT SYSTEM IS 90-80-90 DUROMETER.
PLEASE SPECIFY TWO OR THREE PIECE AND ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	40N35EC	1
2	MANDREL	49LS03	1
3	RETAINING RING	HR1011	1
4	BEARING RING	49LS05	1
5	BEARING	49LS06	1
6	SEAL RETAINER	51LS07	1
7	SEAL REMOVAL RING	49LS04	1
8	SEAL	49LS08	2
9	O-RING	050-90-253	1
10	GAGE RING, 47.0 - 53.5#	51LS30-A2	1
	GAGE RING, 40.0 - 47.0#	51LS30-A4	1
	GAGE RING, 29.3 - 36.0#	51LS30-B	1
	TWO PIECE PACKING ELEMENT SYSTEM:		
11	PACKING ELEMENT, UPPER		
	90 DURO	51LS10-A90	1
	90 DURO	51LS10-B90	1
12	ELEMENT SPACER	51R15-A	1
	ELEMENT SPACER	51R15-B	1
13	PACKING ELEMENT, LOWER		
	80 DURO	51LS12-A80	1
	80 DURO	51LS12-B80	1
	THREE PIECE PACKING ELEMENT SYSTEM:		
14	PACKING ELEMENT, END		
	90 DURO	51LS22-A90	2
	90 DURO	51LS22-B90	2

Wholesale Product List

15	PACKING ELEMENT, CENTER		
	70 DURO	51LS23-A70	1
	70 DURO	51LS23-B70	1
16	GUIDE RING, 47.0 - 53.5#	51R17-A2	1
	GUIDE RING, 40.0 - 47.0#	51R17-A4	1
	GUIDE RING, 29.3 - 36.0#	51R17-B	1
17	SUPPORT SLEEVE	51LS16	1
18	UPPER CONE	51LS13	1
19	TORQUE PIN	49LS14	2
20	SLIP	49LS15	8
21	LOWER SLEEVE	51LS19	1
22	SLIP RING	51LS17	1
23	LOWER CONE	51LS18	1
24	SOC. SET SCREW	HA1006	1
25	LOCK SEGMENT	49LS20	2 SEG.
26	CONTROL SEGMENT	49LS21	2 SEG.
27	GARTER SPRING	49LS29	2
28	SOC. CAP SCREW, 3/8-16 X 1/2	002-C6-008	4
29	LOCK SEGMENT STOP	51LS28	1
30	DRAG BLOCK HOUSING SUB-ASSEMBLY	51LS24	1
31	DRAG BLOCK	47LS25-B	6
32	SPRING	51R11	24
33	DRAG BLOCK RETAINER	51LS27	1
34	SOC. SET SCREW	HA1006	1
35	CROSS-OVER	40N35EX	1

5-1/2" ULTRA-LOK PACKER (LARGE BORE)

COMPLETE ASSEMBLY

45LLS.10XX

CASING RANGE: A2: 20.0 - 23.0#
A4: 15.5 - 20.0#
B: 13.0 - 15.5#

STANDARD TWO PIECE PACKING ELEMENT SYSTEM IS 90-80 DUROMETER.

STANDARD THREE PIECE PACKING ELEMENT SYSTEM IS 90-80-90 DUROMETER.

PLEASE SPECIFY TWO OR THREE PIECE AND ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	COUPLING	27E27NC	1
2	MANDREL	45LLS02	1
3	RETAINING RING	HR1003	1
4	BEARING RING	45LLS03	1
5	BEARING	45LLS04	1
6	SEAL RETAINER	45LLS06	1
7	SEAL	45LLS05	2
8	O-RING	050-90-152	1
9	GAGE RING, 20.0 - 23.0#	45LLS07-A2	2
	GAGE RING, 15.5 - 20.0#	45LLS07-A4	2
	GAGE RING, 13.0 - 15.5#	45LLS07-B	2
	TWO PIECE PACKING ELEMENT SYSTEM:		
10	PACKING ELEMENT, UPPER		
	90 DURO	45LLS10-A90	1
	90 DURO	45LLS10-B90	1
11	ELEMENT SPACER	45LLS09-A2	1
	ELEMENT SPACER	45LLS09-A4	1
	ELEMENT SPACER	45LLS09-B	1
12	PACKING ELEMENT, LOWER		
	80 DURO	45LLS13-A80	1
	80 DURO	45LLS13-B80	1
	THREE PIECE PACKING ELEMENT SYSTEM:		
13	PACKING ELEMENT, END		
	90 DURO	45LLS23-A90	2
	90 DURO	45LLS23-B90	2

14	PACKING ELEMENT, CENTER		
	70 DURO	45LLS24-A70	1
	70 DURO	45LLS24-B70	1
15	UPPER CONE	45LLS11	1
16	TORQUE PIN	45LLS12	2
17	SLIP	45LLS08	10
18	SLIP RING	45LLS14	1
19	LOWER CONE SUB-ASSEMBLY	45LLS17	1
20	LOCK SEGMENTS	45LLS19	2 SEG.
21	CONTROL SEGMENT	45LLS18	2 SEG.
22	GARTER SPRING	43PST27	2
23	SOC. CAP SCREW, 5/16-18 X 5/16	HC1012	4
24	DRAG BLOCK HOUSING SUB-ASSEMBLY	45LLS20	1
25	DRAG BLOCK, 20.0 - 23.0#	45LLS21-A2	4
	DRAG BLOCK, 15.5 - 20.0#	45LLS21-A4	4
	DRAG BLOCK, 13.0 - 15.5#	45LLS21-B	4
26	PISTON SPRING	45R11	16
27	DRAG BLOCK RETAINER	45LLS22	1
28	SOC. SET SCREW, 1/4-20 X 1/4	HA1007	1
29	SLEEVE	45LLS16	1
30	HEX SHOULDER SCREW, 5/16-18 x 3/8	HM1024	2

7" ULTRA-LOK PACKER (LARGE BORE)

COMPLETE ASSEMBLY

47LLS.10XX

CASING RANGE: B2: 26.0 - 29.0#
B4: 23.0 - 26.0#
C2: 17.0 - 20.0#

STANDARD TWO PIECE PACKING ELEMENT SYSTEM IS 90-80 DUROMETER.

STANDARD THREE PIECE PACKING ELEMENT SYSTEM IS 90-80-90 DUROMETER.

PLEASE SPECIFY TWO OR THREE PIECE AND ANY OTHER DUROMETER AT TIME OF ORDER.

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU	35E35NC	1
2	MANDREL	47LLS03	1
3	RETAINING RING	HR1002	1
4	BEARING RING	47LLS05	1
5	BEARING	47LLS06	1
6	SEAL RETAINER	47LLS07	1
7	SEAL	47LLS08	2
8	O-RING	050-90-242	1
9	GAGE RING, 26.0 - 29.0#	47R13-B2	2
	GAGE RING, 23.0 - 26.0#	47R13-B4	2
	GAGE RING, 17.0 - 20.0#	47R13-C2	2
	TWO PIECE PACKING ELEMENT SYSTEM:		
10	PACKING ELEMENT, UPPER		
	90 DURO	47LS10-B90	1
	90 DURO	47LS10-C90	1
11	ELEMENT SPACER	47R15-B	1
	ELEMENT SPACER	47R15-C	1
12	PACKING ELEMENT, LOWER		
	80 DURO	47LS12-B80	1
	80 DURO	47LS12-C80	1
	THREE PIECE PACKING ELEMENT SYSTEM:		
13	PACKING ELEMENT, END		
	90 DURO	47LS22-B90	2
	90 DURO	47LS22-C90	2
14	PACKING ELEMENT, CENTER		
	70 DURO	47LS23-B70	1
	70 DURO	47LS23-C70	1

15	UPPER CONE	47LLS13	1
16	TORQUE PIN	45LS14	2
17	SLIP, 23.0 - 29.0#	47LS15-A	8
	SLIP, 17.0 - 20.0#	47LS15-C	8
18	SLEEVE	47LLS16	1
19	SLIP RING	47LLS17	1
20	LOWER CONE	47LS18	1
21	SOC. SET SCREW, 5/16-18 X 5/16	003-C5-005	1
22	LOCK SEGMENTS	47LLS20	2 SEG.
23	CONTROL SEGMENTS	47LLS21	2 SEG.
24	GARTER SPRING	47PST27	2
25	SOC. CAP SCREW, 5/16-18 X 3/8	HC1005	4
26	DRAG BLOCK HOUSING SUB-ASSEMBLY	47LLS24	1
27	DRAG BLOCK, 23.0 - 29.0#	47LLS25-B	4
	DRAG BLOCK, 17.0 - 20.0#	47LLS25-C	4
28	SPRING	47LS26	16
29	DRAG BLOCK RETAINER	47LS27	1
30	SOC. SET SCREW, 1/4-20 X 5/16	HA1020	1
31	CROSS-OVER SUB	35N35EX	1

ULTRA-LOK PACKER ELASTOMER REDRESS KIT

TWO PIECE PACKING ELEMENT SYSTEM

4-1/2" "ULTRA-LOK" ELASTOMER REDRESS KIT	43LS.KOXX
5" "ULTRA-LOK" ELASTOMER REDRESS KIT	43LS.KOXX
5-1/2" "ULTRA-LOK" ELASTOMER REDRESS KIT	45LS.KOXX
5-1/2" LARGE BORE "ULTRA-LOK" ELASTOMER REDRESS KIT	45LLS.KOXX
7" "ULTRA-LOK" ELASTOMER REDRESS KIT	47LS.KOXX
7-5/8" "ULTRA-LOK" ELASTOMER REDRESS KIT	47LS.KOXX
7" LARGE BORE "ULTRA-LOK" ELASTOMER REDRESS KIT	47LLS.KOXX

* STANDARD TWO PIECE PACKING ELEMENT SYSTEM IS 90-80 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDERING.

THREE PIECE PACKING ELEMENT SYSTEM

4-1/2" "ULTRA-LOK" ELASTOMER REDRESS KIT	43LS.KOXX
5" "ULTRA-LOK" ELASTOMER REDRESS KIT	43LS.KOXX
5-1/2" "ULTRA-LOK" ELASTOMER REDRESS KIT	45LS.KOXX
5-1/2" LARGE BORE "ULTRA-LOK" ELASTOMER REDRESS KIT	45LLS.KOXX
7" "ULTRA-LOK" ELASTOMER REDRESS KIT	47LS.KOXX
7-5/8" "ULTRA-LOK" ELASTOMER REDRESS KIT	47LS.KOXX
7" LARGE BORE "ULTRA-LOK" ELASTOMER REDRESS KIT	47LLS.KOXX

* STANDARD THREE PIECE PACKING ELEMENT SYSTEM IS 90-70-90 DUROMETER.
PLEASE SPECIFY ANY OTHER DUROMETER AT TIME OF ORDERING.

2-3/8" PFL ON-OFF TOOL OVERSHOT ASSEMBLY

COMPLETE ASSEMBLY, 4-1/2", 3.75 OD **23OS.10XX**
 COMPLETE ASSEMBLY, 5-1/2", 4.50 OD **23OS.10XX**
 COMPLETE ASSEMBLY, 7 - 7-5/8", 5.50 OD **23OS.10XX**

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8	23OS02	1
2	SOC. SET SCREW, 1/4-20 X 1/4	HA1007	2
3	O-RING	050-90-234	1
4	SEAL	23OS05	2
5	SEAL SPACER	23OS08	1
6	JAY ASSEMBLY - 3.75 OD	23OS09-37	1
	JAY ASSEMBLY - 4.50 OD	23OS09-45	1
	JAY ASSEMBLY - 5.50 OD	23OS09-55	1
7	SHEAR SCREW, BRASS	HA1025B	4

2-7/8" PFL ON-OFF TOOL OVERSHOT ASSEMBLY

COMPLETE ASSEMBLY, 5-1/2", 4.50 OD **27OS.10XX**
 COMPLETE ASSEMBLY, 7 - 7-5/8", 5.50 OD **27OS.10XX**
 COMPLETE ASSEMBLY, 8-5/8", 7.50 OD **27OS.10XX**

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8	27OS02	1
2	SOC. SET SCREW, 1/4-20 X 1/4	HA1007	2
3	O-RING	050-90-153	1
4	SEAL	27OS05	2
5	SEAL SPACER	27OS08	1
6	JAY ASSEMBLY - 4.50 OD	27OS09-45	1
	JAY ASSEMBLY - 5.50 OD	27OS09-55	1
	JAY ASSEMBLY - 7.50 OD	27OS09-75	1
7	SHEAR SCREW, BRASS	HA1025B	4

2-3/8" SEAL NIPPLE
(F' PROFILE)

DESCR	PART #	ALLOY STEEL	316 STAINLESS
<u>F PROFILE</u>			
SEAL Nip	23SN00	-413	-316
SEAL Nip	23SN02	-413	-316
SEAL Nip	23SN03	-413	-316
SEAL Nip	23SN04	-413	-316
SEAL Nip	23SN05	-413	-316
SEAL Nip	23SN06	-413	-316
SEAL Nip	23SN07	-413	-316
SEAL Nip	23SN08	-413	-316
SEAL Nip	23SN09	-413	-316

**ADDITIONAL COST FOR EACH R PROFILE SEAL NIPPLE.

2-7/8" SEAL NIPPLE
(F' PROFILE)

DESCR	PART #	ALLOY STEEL	316 STAINLESS
<u>F PROFILE</u>			
SEAL Nip	27SN00	-413	-316
SEAL Nip	27SN04	-413	-316
SEAL Nip	27SN05	-413	-316

**ADDITIONAL COST FOR EACH R PROFILE SEAL NIPPLE.

SLICK SEAL NIPPLES (NO PROFILES)

DESCR	PART #	ALLOY STEEL	316 STAINLESS
<u>2-3/8" NO PROFILE</u>			
SEATING	23SSN00	-413	-316
SEATING	23SSN01	-413	-316
SEATING	23SSN02	-413	-316
SEATING	23SSN03	-413	-316
SEATING	23SSN04	-413	-316

DESCR	PART #	ALLOY STEEL	316 STAINLESS
<u>2-7/8" NO PROFILE</u>			
SEATING	27SSN00	-413	-316
SEATING	27SSN01	-413	-316
SEATING	27SSN02	-413	-316
SEATING	27SSN03	-413	-316
SEATING	27SSN04	-413	-316
SEATING	27SSN05	-413	-316
SEATING	23SSN06	-413	-316

2-7/8" X 1.900" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

510-25-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 1.900	510-25-620	1
2	J-BODY ASSEMBLY, LHA	510-25-340	1
3	SOC. SET SCREW 1/4-20 X 3/16	003-C4-003	3
4	MOLDED SEAL ASSEMBLY	600-30-520	2
5	O-RING	050-90-031	2
6	SPIROLOC RING	040-01-193	1

3-1/2" X 1.900" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

510-35-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 1.900 EU 10RD	510-35-620	1
2	J-BODY ASSEMBLY, LHA	510-35-340	1
3	MOLDED SEAL ASSEMBLY	510-35-520	1
4	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	3
5	O-RING	050-90-228	1
6	O-RING	050-90-035	1

4" X 2-3/8" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

510-40-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	510-40-620	1
2	J-BODY ASSEMBLY, LHA	510-40-340	1
3	MOLDED SEAL ASSEMBLY	600-45-520	1
4	SOC. SET SCREW, 3/8-16 X 3/8	003-C6-006	3
5	O-RING	050-90-231	1
6	O-RING	050-90-145	1

4-1/2" X 2-3/8" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

512-45-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	512-20-610	1
2	MOLDED SEAL ASSEMBLY	512-20-525	2
3	O-RING	050-90-149	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY, LHA	512-20-320	1

4-1/2" X 2-3/8" TYPE T-2 ON-OFF TOOL, 10K

COMPLETE ASSEMBLY

512-45-010

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB (HT), 2-3/8 EU 8rd	512-20-610HT	1
2	MOLDED SEAL ASSEMBLY	512-20-525	2
3	O-RING	050-90-149	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY (AY), LHA	512-45-340AY	1

5-1/2" X 2-3/8" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

512-55-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	512-20-610	1
2	MOLDED SEAL ASSEMBLY	512-20-525	2
3	O-RING	050-90-149	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY, LHA	512-20-322	1

5-1/2" X 2-3/8" TYPE T-2 ON-OFF TOOL, 10K

COMPLETE ASSEMBLY

512-55-010

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB (HT), 2-3/8 EU 8rd	512-20-610HT	1
2	MOLDED SEAL ASSEMBLY	512-20-525	2
3	O-RING	050-90-149	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY (AY), LHA	512-55-340AY	1

5-1/2" X 2-7/8" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

512-56-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	512-56-610	1
2	SEAL ASSEMBLY	512-56-525	2
3	O-RING	050-90-153	2
4	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	3
5	J-BODY ASSEMBLY, LHA	512-56-340	1

5-1/2" X 2-7/8" TYPE T-2 ON-OFF TOOL, 10K

COMPLETE ASSEMBLY

512-56-010

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB (HT), 2-7/8 EU 8RD	512-56-610HT	1
2	SEAL ASSEMBLY	512-56-525	2
3	O-RING	050-90-153	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY (AY), LHA	512-56-340AY	1

7" X 2-3/8" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

512-71-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	512-20-610	1
2	MOLDED SEAL ASSEMBLY	512-20-525	2
3	O-RING	050-90-149	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY, LHA	512-71-340	1

7" X 2-3/8" TYPE T-2 ON-OFF TOOL, 10K

COMPLETE ASSEMBLY

512-71-010

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB (HT), 2-3/8 EU 8RD	512-20-610HT	1
2	MOLDED SEAL ASSEMBLY	512-20-525	2
3	O-RING	050-90-149	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY (AY), LHA	512-71-340AY	1

7" X 2-7/8" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

512-70-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	512-56-610	1
2	SEAL ASSEMBLY	512-56-525	2
3	O-RING	050-90-153	2
4	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	3
5	J-BODY ASSEMBLY, LHA	512-70-340	1
6	SHOE	512-70-950	1

7" X 2-7/8" TYPE T-2 ON-OFF TOOL, 10K

COMPLETE ASSEMBLY

512-70-010

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB (HT), 2-7/8 EU 8RD	512-56-610HT	1
2	SEAL ASSEMBLY	512-56-525	2
3	O-RING	050-90-153	2
4	SOC. SET SCREW, 1/4-20 X 3/8	003-C4-006	3
5	J-BODY ASSEMBLY (AY), LHA	512-70-340AY	1
6	SHOE	512-70-950	1

7-5/8" X 2-3/8" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

512-76-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	512-20-610	1
2	MOLDED SEAL ASSEMBLY	512-20-525	2
3	O-RING	050-90-149	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY, LHA	512-76-340	1

7-5/8" X 2-7/8" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

512-75-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	512-56-610	1
2	SEAL ASSEMBLY	512-56-525	2
3	O-RING	050-90-153	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY, LHA	512-70-340	1
6	SHOE	512-75-950	1

9-5/8" X 2-7/8" TYPE T-2 ON-OFF TOOL

COMPLETE ASSEMBLY

512-95-000

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-7/8 EU 8RD	512-56-610	1
2	SEAL ASSEMBLY	512-56-525	2
3	O-RING	050-90-153	2
4	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
5	J-BODY ASSEMBLY, LHA	512-70-340	1
6	SHOE	512-95-950	1

ALL ASSEMBLIES ARE LEFT-HAND RELEASE, RIGHT-HAND RELEASE AVAILABLE UPON REQUEST.

TYPE T-2 ON-OFF TOOL NIPPLES

DESCR	PART #
NIPPLE -	510-15-710
NIPPLE -	510-35-125
NIPPLE -	510-40-150

2-3/8" STINGER FOR TYPE T-2 ON-OFF TOOL

DESCR	PART #
<u>STINGER FOR F OR X PROFILE</u>	
STINGER	510-20-143
STINGER	510-20-150
STINGER	510-20-178
STINGER	510-20-181
STINGER	510-20-187

STINGER FOR R OR XN PROFILE

STINGER	510-20-143
STINGER	510-20-150
STINGER	510-20-178
STINGER	510-20-181
STINGER	510-20-187

2-7/8" STINGER FOR TYPE T-2 ON-OFF TOOL

STINGER FOR F OR X PROFILE

STINGER	510-25-225
STINGER	510-25-231

STINGER FOR R OR Xn PROFILE

STINGER	510-25-225
STINGER	510-25-231

Part numbers are with L80 material.

For other materials please add appropriate extension to end of part number:

CR: 9 Chrome-Moly

99: For Frac Grade L80

Stainless Steel is available upon request, please call for availability and prices.