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Hydraulic Packers

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5-1/2" PFH HYDROSTATIC / HYDRAULIC PACKER

COMPLETE ASSEMBLY

45PFH.10XX

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

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	23E23NC	1
2	MANDREL	45FH02	1
3	O-RING	050-90-333	1
4	RECEPTACLE	45FH06-A2	1
5	FLAT HEAD SCREW, 5/16-18 X 1/2	HB1002	9
6	RESTRAINING PIN ASSEMBLY	45FH09-A	12
7	PISTON SPRING	45R11	12
8	PISTON	45R10-A	6
	PISTON	45R10-B	6
9	PISTON RETAINER	45FH12	3
10	O-RING	050-90-224	6
11	O-RING	050-90-234	2
12	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
13	PACKING ELEMENT, END		
	90 DURO, 15.5 - 23.0#	45R14-A90	2
	90 DURO, 13.0 - 15.5#	45R14-B90	2
14	PACKING ELEMENT SPACER, 15.5 - 23.0#	45R15-A	2
	PACKING ELEMENT SPACER, 13.0 - 15.5#	45R15-B	2
15	PACKING ELEMENT, CENTER		
	70 DURO, 15.5 - 23.0#	45R16-A70	1
	70 DURO, 13.0 - 15.5#	45R16-B70	1
16	PACKING ELEMENT MANDREL	45FH19	1
17	CONE	45FH20	1
18	TORQUE PIN	45LS14	2
19	LOCK RING RETAINER	45FH23	1
20	LOCK RING	45FH24	1
21	LOCK RING CARRIER	45FH25	1
22	CONNECTOR MANDREL RING	45FH26	1
23	SLIP	45LS15	4
24	CONNECTOR MANDREL	45FH28	1
25	SLIP RING	45FH29	1
26	SEGMENT RETAINER	45FH30	1
27	SHEAR SCREW, BRASS	HA1036B	2
28	O-RING	050-90-228	1
29	O-RING	050-90-238	1
30	RING SEGMENT	45FH35	1 SET
31	PICK-UP RING	45FH36	1
32	O-RING	050-90-236	3

33	SEGMENT RETAINER HOUSING	45FH38	1
34	O-RING	050-90-241	1
35	O-RING	050-90-231	4
36	SETTING SLEEVE	45FH41	1
37	SNAP RING	45FH42	1
38	LOWER SEAL RING	45FH43	1
39	LOWER SEAL RING RETAINER	45FH44	1
40	SHOCK ABSORBER	45FH45	1
41	SHEAR RING RETAINER	45FH46	1
42	BUTTON HEAD SCREW, 1/4-20 X 1/2	HM1017	3
43	SHEAR RING, 20K	45FH27-2	1
	SHEAR RING, 30K	45FH27-3	1
	SHEAR RING, 40K	45FH27-4	1
	SHEAR RING, 50K	45FH27-5	1
	SHEAR RING, 60K	45FH27-6	1
44	BOTTOM SUB	23N23EX	1
45	SEGMENT RETAINING RING	45FH50	1

7" PFH HYDROSTATIC / HYDRAULIC PACKER

COMPLETE ASSEMBLY

47PFH.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#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	27E27NC	1
2	MANDREL, 2-7/8" EU	47FH02-27	1
3	O-RING	050-90-337	1
4	RECEPTACLE, 38.0#, 32.0 - 35.0#, 20.0 - 29.0#	47FH06-A	1
	RECEPTACLE, 17.0 - 20.0#	47FH06-C	1
5	FLAT HEAD SCREW, 5/16-18 X 5/8	005-C5-010	9
6	RESTRAINING PIN ASSEMBLY	47FH09-A	12
	RESTRAINING PIN ASSEMBLY	47FH09-c	12
7	PISTON SPRING	47R11	12
8	PISTON, 32.0 - 35.0#, 38.0#	47R10-A	6
	PISTON, 23.0 - 29.0#	47R10-B	6
	PISTON, 17.0 - 20.0#	47R10-C	6
9	PISTON RETAINER	47FH12	3
10	O-RING	050-90-230	6
11	O-RING	050-90-242	1
12	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, 20.0 - 26.0#	47R13-B4	2
	GAGE RING, 17.0 - 20.0#	47R13-C2	2
13	PACKING ELEMENT, END		
	90 DURO, 32.0 - 35.0#, 38.0#	47R14-A90	2
	90 DURO, 20.0 - 29.0#	47R14-B90	2
	90 DURO, 17.0 - 20.0#	47R14-C90	2
14	PACKING ELEMENT SPACER, 32.0 - 35.0#, 38.0#	47R15-A	2
	PACKING ELEMENT SPACER, 20.0 - 29.0#	47R15-B	2
	PACKING ELEMENT SPACER, 17.0 - 20.0#	47R15-C	2
15	PACKING ELEMENT, CENTER		
	70 DURO, 32.0 - 35.0#, 38.0#	47R16-A70	1
	70 DURO, 20.0 - 29.0#	47R16-B70	1
	70 DURO, 17.0 - 20.0#	47R16-C70	1
16	PACKING ELEMENT MANDREL	47FH19	1
17	CONE	47FH20	1
18	TORQUE PIN	47LS14	2
19	LOCK RING	47FH24	1
20	LOCK RING CARRIER	47FH25	1
21	SLIP, 38.0#, 32.0 - 35.0#, 20.0 - 26.0#	47LS15-A	4
	SLIP, 17.0 - 20.0#	47LS15-C	4

22	CONNECTOR MANDREL	47FH28	1
23	SLIP RING	47FH29	1
24	SEGMENT RETAINER	47FH30	1
25	SOC. SET SCREW, 5/16-18 X 1/2	HA1006B	2
26	O-RING	050-90-336	1
27	O-RING	050-90-343	1
28	O-RING	050-90-347	1
29	RING SEGMENT	47FH35	3
30	PICK-UP RING	47FH36	1
31	O-RING	050-90-344	3
32	SEGMENT RETAINER HOUSING	47FH38	1
33	O-RING	050-90-248	1
34	O-RING	050-90-339	4
35	SETTING SLEEVE	47FH41	1
36	SNAP RING	47FH42	1
37	LOWER SEAL RING	47FH43	1
38	LOWER SEAL RING RETAINER	47FH44-A	1
	LOWER SEAL RING RETAINER	47FH44-C	1
39	SHOCK ABSORBER	47FH45	1
40	SHEAR RING RETAINER	47FH46	1
41	BUTTON HEAD SCREW, 1/4-20 X 5/8	HM1018	3
42	SHEAR RING, 20K	47FH27-2	1
	SHEAR RING, 30K	47FH27-3	1
	SHEAR RING, 40K	47FH27-4	1
	SHEAR RING, 50K	47FH27-5	1
	SHEAR RING, 60K	47FH27-6	1
43	BOTTOM SUB	27N27EX	1
44	SEGMENT RETAINING RING	47FH50	1

7" PFHL HYDROSTATIC / HYDRAULIC PACKER (LARGE BORE)

COMPLETE ASSEMBLY

47PFHL.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#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	35E35NC	1
2	MANDREL, 3-1/2" EU	47FHL02	1
3	O-RING	050-90-343	1
4	RECEPTACLE	47FHL06-B	1
5	FLAT HEAD SCREW, 5/16-18 X 5/8	005-C5-010	12
6	RESTRAINING PIN ASSEMBLY	45FH09-A	18
7	PISTON SPRING	45R11	18
8	PISTON	45R10-B	9
9	PISTON RETAINER	47FHL12	3
10	O-RING	050-90-224	9
11	O-RING	050-90-241	1
12	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, 20.0 - 26.0#	47R13-B4	2
	GAGE RING, 17.0 - 20.0#	47R13-C2	2
13	PACKING ELEMENT, END		
	90 DURO, 32.0 - 35.0#, 38.0#	47R14-A90	2
	90 DURO, 20.0 - 29.0#	47R14-B90	2
	90 DURO, 17.0 - 20.0#	47R14-C90	2
14	PACKING ELEMENT SPACER, 32.0 - 35.0#, 38.0#	47R15-A	2
	PACKING ELEMENT SPACER, 20.0 - 29.0#	47R15-B	2
	PACKING ELEMENT SPACER, 17.0 - 20.0#	47R15-C	2
15	PACKING ELEMENT, CENTER		
	70 DURO, 32.0 - 35.0#, 38.0#	47R16-A70	1
	70 DURO, 20.0 - 29.0#	47R16-B70	1
	70 DURO, 17.0 - 20.0#	47R16-C70	1
16	PACKING ELEMENT MANDREL	47FHL19	1
17	CONE	47FHL20	1
18	TORQUE PIN	47FHL22	2
19	LOCK RING RETAINER	47FHL23	1
20	LOCK RING	47FHL24	1
21	LOCK RING CARRIER	47FHL25	1
22	SLIP	45LS15	4
23	CONNECTOR MANDREL	47FHL28	1
24	SLIP RING	47FHL29	1
25	SEGMENT RETAINER	47FHL30	1
26	SHEAR SCREW, BRASS	003-C5-006B	2

27	O-RING	050-90-243	1
28	O-RING	050-90-237	1
29	O-RING	050-90-247	1
30	RING SEGMENT	47FHL35	3
31	PICK-UP RING	47FHL36	1
32	O-RING	050-90-239	4
33	SEGMENT RETAINER HOUSING	47FHL38	1
34	O-RING	050-90-250	1
35	O-RING	050-90-244	3
36	SETTING SLEEVE	47FHL41	1
37	SNAP RING	47FHL42	1
38	LOWER SEAL RING	47FHL43	1
39	LOWER SEAL RING RETAINER	47FHL44-A	1
40	SHOCK ABSORBER	47FHL45	1
41	SHEAR RING RETAINER	47FHL46	1
42	SOC. CAP SCREW, 1/4-20 X 5/8	HC1029	3
43	SHEAR RING, 20K	47FHL27-2	1
	SHEAR RING, 30K	47FHL27-3	1
	SHEAR RING, 40K	47FHL27-4	1
	SHEAR RING, 50K	47FHL27-5	1
	SHEAR RING, 60K	47FHL27-6	1
44	BOTTOM SUB	35N35EX	1
45	SEGMENT RETAINING RING	47FHL50	1

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

COMPLETE ASSEMBLY

650-45

CASING RANGE: 9.5 - 13.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	650-50-610	1
2	TOP CAP	650-45-810	1
3	SPRING CAGE	650-50-311	1
4	FOLLOWER SPRING	610-45-920	1
5	RUBBER SPRING	650-50-925	2
6	UPPER SPLIT RING	650-50-331	1
7	UPPER MANDREL	650-50-210	1
8	UPPER SLIP BODY	650-45-320	1
9	UPPER SLIP	650-45-110X	2
10	RELEASING SLIP	650-45-120	1
11	SLIP BAND	650-45-950	2
12	SLIP COIL SPRING	070-45-900	7
13	UPPER CONE	650-45-410	1
14	VALVE CHAMBER	650-45-310	1
15	COMPENSATING PISTON	650-45-315	1
16	VALVE INSERT	650-45-960	1
17	VALVE SPLIT RING	650-45-965	1
18	CENTRAL COUPLING	650-45-620	1
19	SEAL ASSEMBLY	600-55-520	1
20	RUBBER MANDREL	650-50-220	1
21	PACKING ELEMENT, 70 DURO, 9.5 - 13.5#	602-45-511	1
22	PACKING ELEMENT, 90 DURO, 9.5 - 13.5#	602-45-513	2
23	RUBBER SPACER, 9.5 - 13.5#	611-45-840	2
24	RUBBER RETAINER	650-45-850	1
25	CYLINDER CONNECTION	650-45-650	1
26	SETTING CYLINDER	650-45-755	1
27	SETTING PISTON	650-45-750	1
28	COLLET	650-50-660	1
29	SETTING CYLINDER CAP	650-45-780	1
30	LOCKING NUT	650-45-720	1
31	LOWER CONE	650-45-420	1
32	MANDREL COUPLING	650-50-680	1
33	LOWER MANDREL	650-45-230	1
34	UPPER SLIP W/CARBIDE	600-45-110X	4
35	LOWER SLIP BODY	650-45-325	1
36	LOWER SPLIT RING	650-45-970	1

Wholesale Product List

37	RELEASE COUPLING	650-45-690	1
38	RELEASE SLEEVE	650-45-820	1
39	RELEASE COLLAR	650-45-825	1
40	BOTTOM SUB, 2-3/8 EU 8RD	650-50-670	1
41	SPIROLOC RING	040-00-300	1
42	SHEAR SCREW, BRASS	B20-C4-006	13
43	SOC. SET SCREW, 7/16-20 X 3/8	003-F7-006	8
44	RELEASING SHEAR SCREW	650-50-902	8
45	O-RING	050-90-234	3
46	O-RING	050-90-230	1
47	O-RING	050-90-232	1
48	O-RING	050-90-333	1
49	O-RING	050-90-234	1
50	O-RING	050-90-231	1
51	O-RING	050-90-149	1
52	SHEAR SCREW, BRASS	B20-C4-004	2

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

COMPLETE ASSEMBLY

650-50

CASING RANGE: 11.5 - 15.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	650-50-610	1
2	TOP CAP	650-50-810	1
3	SPRING CAGE	650-50-311	1
4	RUBBER SPRING	650-50-925	2
5	FOLLOWER SPRING	610-45-920	1
6	UPPER SPLIT RING	650-50-331	1
7	UPPER MANDREL	650-50-210	1
8	UPPER SLIP BODY ASSEMBLY	650-50-320	1
9	UPPER SLIP	650-50-110X	2
10	RELEASING SLIP	650-50-120	1
11	SLIP COIL SPRING	070-45-900	7
12	SLIP BAND	650-50-950	2
13	UPPER CONE	650-50-410	1
14	VALVE CHAMBER	650-50-310	1
15	HOLD DOWN PISTON	650-50-315	1
16	VALVE INSERT	650-50-960	1
17	VALVE SPLIT RING	650-50-965	1
18	CENTER COUPLING	650-50-620	1
19	SEAL ASSEMBLY	600-55-520	1
20	GAGE RING, 11.5 - 15.0#	650-50-830	2
21	PACKING ELEMENT, 90 DURO, 11.5 - 15.0#	650-50-513	2
22	PACKING ELEMENT, 70 DURO, 11.5 - 15.0#	650-50-511	1
23	RUBBER SPACER, 11.5 - 15.0#	650-50-840	2
24	RUBBER RETAINER	650-50-850	1
25	CYLINDER CONNECTION	650-50-650	1
26	UPPER SLIP W/CARBIDE	600-50-110X	4
27	RUBBER MANDREL	650-50-220	1
28	SETTING CYLINDER	650-50-755	1
29	COLLET	650-50-660	1
30	SETTING PISTON	650-50-750	1
31	LOCK HOUSING	650-50-725	1
32	LOCK HOUSING CAP	650-50-730	1
33	LOCKING NUT	650-50-720	1
34	LOWER CONE	650-50-420	1
35	MANDREL COUPLING	650-50-680	1
36	LOWER MANDREL	650-50-230	1
37	LOWER SLIP BODY	650-50-325	1
38	LOWER SLIP BODY CAP	650-50-335	1
39	SHEAR HOUSING	650-50-740	1

Wholesale Product List

40	BOTTOM SUB, 2-3/8 EU 8RD	650-50-670	1
41	SPIROLOC RING	040-00-300	2
42	SHEAR SCREW, BRASS	B20-C4-007	3
43	SHEAR SCREW, BRASS	B20-C4-006	3
44	SETTING SHEAR SCREW	650-50-901	6
45	RELEASING SHEAR SCREW	650-50-902	8
46	O-RING	050-90-333	1
47	O-RING	050-90-338	1
48	O-RING	050-90-236	1
49	O-RING	050-90-232	1
50	O-RING	050-90-332	1
51	O-RING	050-90-236	1
52	O-RING	050-90-338	1
53	O-RING	050-90-230	1
54	O-RING	050-90-149	1

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

COMPLETE ASSEMBLY

650-52

CASING RANGE: 15.0 - 18.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 2-3/8 EU 8RD	650-50-610	1
2	TOP CAP	650-50-810	1
3	SPRING CAGE	650-50-311	1
4	RUBBER SPRING	650-50-925	2
5	FOLLOWER SPRING	610-45-920	1
6	UPPER SPLIT RING	650-50-331	1
7	UPPER MANDREL	650-50-210	1
8	UPPER SLIP BODY	650-50-320	1
9	UPPER SLIP	650-50-110X	2
10	RELEASING SLIP	650-50-120	1
11	SLIP COIL SPRING	070-45-900	7
12	SLIP BAND	650-50-950	2
13	UPPER CONE	650-50-410	1
14	VALVE CHAMBER	650-50-310	1
15	HOLD DOWN PISTON	650-50-315	1
16	VALVE INSERT	650-50-960	1
17	VALVE SPLIT RING	650-50-965	1
18	CENTER COUPLING	650-50-620	1
19	SEAL ASSEMBLY	600-55-520	1
20	GAGE RING, 15.0 - 18.0#	650-52-830	2
21	PACKING ELEMENT, 90 DURO, 18-20.8#	602-52-513	2
22	PACKING ELEMENT, 70 DURO, 18-20.8#	602-52-511	1
23	RUBBER SPACER, 18-21#	601-52-840	2
24	RUBBER RETAINER	650-50-850	1
25	CYLINDER CONNECTION	650-50-650	1
26	UPPER SLIP W/CARBIDE	600-50-110X	4
27	RUBBER MANDREL	650-50-220	1
28	SETTING CYLINDER	650-50-755	1
29	COLLET	650-50-660	1
30	SETTING PISTON	650-50-750	1
31	LOCK HOUSING	650-50-725	1
32	LOCK HOUSING CAP	650-50-730	1
33	LOCKING NUT	650-50-720	1
34	LOWER CONE	650-50-420	1
35	MANDREL COUPLING	650-50-680	1
36	LOWER MANDREL	650-50-230	1
37	LOWER SLIP BODY	650-50-325	1
38	LOWER SLIP BODY CAP	650-50-335	1
39	SHEAR HOUSING	650-50-740	1

Wholesale Product List

40	BOTTOM SUB, 2-3/8 EU 8RD	650-50-670	1
41	SPIROLOC RING	040-00-300	2
42	SHEAR SCREW, BRASS	B20-C4-007	3
43	SHEAR SCREW, BRASS	B20-C4-006	3
44	SETTING SHEAR SCREW	650-50-901	6
45	RELEASING SHEAR SCREW	650-50-902	8
46	O-RING	050-90-333	1
47	O-RING	050-90-338	1
48	O-RING	050-90-236	1
49	O-RING	050-90-232	1
50	O-RING	050-90-332	1
51	O-RING	050-90-236	1
52	O-RING	050-90-338	1
53	O-RING	050-90-230	1
54	O-RING	050-90-149	1

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

COMPLETE ASSEMBLY

650-54

CASING RANGE: 9.0 - 13.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	650-55-610	1
2	TOP CAP	650-55-810	1
3	SPRING CAGE	650-55-311	1
4	RUBBER SPRING	650-55-925	2
5	FOLLOWER SPRING	610-55-920	1
6	UPPER SPLIT RING	650-55-331	1
7	UPPER MANDREL	650-55-210	1
8	UPPER SLIP BODY	650-54-320	1
9	SLIP BAND	650-54-950	2
10	UPPER SLIP	650-54-110X	2
11	RELEASING SLIP, 9-13#	650-54-120	1
12	SLIP COIL SPRING	070-70-900	7
13	UPPER CONE	650-55-410	1
14	VALVE CHAMBER	650-55-310	1
15	HOLD DOWN PISTON	650-55-315	1
16	VALVE INSERT	650-55-960	1
17	VALVE SPLIT RING	650-55-965	1
18	CENTRAL COUPLING	650-55-620	1
19	SEAL ASSEMBLY	600-56-520	1
20	GAGE RING, 9-13#	650-54-845	2
21	PACKING ELEMENT, 90 DURO, 9-13#	650-54-513	2
22	PACKING ELEMENT, 70 DURO, 9-13#	650-54-511	1
23	RUBBER SPACER, 9-13#	650-54-840	2
24	RUBBER RETAINER	650-55-850	1
25	CYLINDER CONNECTION	650-55-650	1
26	RUBBER MANDREL	650-55-220	1
27	SETTING CYLINDER	650-55-755	1
28	COLLET	650-55-660	1
29	SETTING PISTON	650-55-750	1
30	LOCK HOUSING NUT	650-55-725	1
31	LOCKING NUT	650-55-720	1
32	LOWER CONE	650-55-420	1
33	MANDREL COUPLING	650-50-680	1
34	LOWER MANDREL	650-55-230	1
35	LOWER SLIP BODY	650-54-325	1
36	LOWER SLIP BODY CAP	650-55-335	1
37	SHEAR HOUSING	650-55-740	1
38	LOWER SLIP, 9-13#	650-54-115X	4

Wholesale Product List

39	BOTTOM SUB, 2-3/8 EU 8RD	650-50-670	1
40	O-RING	050-90-334	1
41	SHEAR SCREW, BRASS	B20-C4-010	6
42	SETTING SLEEVE SCREW	650-55-901	10
43	RELEASE SLEEVE SCREW	650-55-902	6
44	O-RING	050-90-340	2
45	O-RING	050-90-231	1
46	O-RING	050-90-237	1
47	O-RING	050-90-235	1
48	O-RING	050-90-151	1
49	SPIROLOC RING	040-00-312	1
50	SPIROLOC RING	040-00-334	1
51	O-RING	050-90-333	1
52	O-RING	050-90-339	1

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

COMPLETE ASSEMBLY

650-55

CASING RANGE: 13.0 - 20.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	650-55-610	1
2	TOP CAP	650-55-810	1
3	SPRING CAGE	650-55-311	1
4	RUBBER SPRING	650-55-925	2
5	FOLLOWER SPRING	610-55-920	1
6	UPPER SPLIT RING	650-55-331	1
7	UPPER MANDREL	650-55-210	1
8	UPPER SLIP BODY	650-55-320	1
9	SLIP BAND	650-55-950	2
10	UPPER SLIP	650-55-110X	2
11	RELEASING SLIP	650-55-120	1
12	SLIP COIL SPRING	070-55-900	7
13	UPPER CONE	650-55-410	1
14	VALVE CHAMBER	650-55-310	1
15	HOLD DOWN PISTON	650-55-315	1
16	VALVE INSERT	650-55-960	1
17	VALVE SPLIT RING	650-55-965	1
18	CENTRAL COUPLING	650-55-620	1
19	SEAL ASSEMBLY	600-56-520	1
20	GAGE RING, 13.0 - 17.0#	650-55-831	2
21	PACKING ELEMENT, 90 DURO, 13.0 - 20.0#	602-55-513	2
22	PACKING ELEMENT, 70 DURO, 13.0 - 20.0#	602-55-511	1
23	RUBBER SPACER, 13.0 - 20.0#	602-55-840	2
24	RUBBER RETAINER	650-55-850	1
25	CYLINDER CONNECTION	650-55-650	1
26	RUBBER MANDREL	650-55-220	1
27	SETTING CYLINDER	650-55-755	1
28	COLLET	650-55-660	1
29	SETTING PISTON	650-55-750	1
30	LOCK HOUSING NUT	650-55-725	1
31	LOCKING NUT	650-55-720	1
32	LOWER CONE	650-55-420	1
33	MANDREL COUPLING	650-50-680	1
34	LOWER MANDREL	650-55-230	1
35	LOWER SLIP BODY	650-55-325	1
36	LOWER SLIP BODY CAP	650-55-335	1
37	SHEAR HOUSING	650-55-740	1
38	UPPER SLIP W/CARBIDE	600-55-110X	4

Wholesale Product List

39	BOTTOM SUB, 2-3/8 EU 8RD	650-50-670	1
40	O-RING	050-90-334	1
41	SHEAR SCREW, BRASS	B20-C4-010	6
42	SETTING SLEEVE SCREW	650-55-901	10
43	RELEASE SLEEVE SCREW	650-55-902	6
44	O-RING	050-90-340	2
45	O-RING	050-90-231	1
46	O-RING	050-90-237	1
47	O-RING	050-90-235	1
48	O-RING	050-90-151	1
49	SPIROLOC RING	040-00-312	1
50	SPIROLOC RING	040-00-334	1
51	O-RING	050-90-333	1
52	O-RING	050-90-339	1

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

COMPLETE ASSEMBLY

650-57

CASING RANGE: 20.0 - 23.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB	650-55-610	1
2	TOP CAP	650-55-810	1
3	SPRING CAGE	650-55-311	1
4	RUBBER SPRING	650-55-925	2
5	FOLLOWER SPRING	610-55-920	1
6	UPPER SPLIT RING	650-55-331	1
7	UPPER MANDREL	650-55-210	1
8	UPPER SLIP BODY	650-55-320	1
9	SLIP BAND	650-55-950	2
10	UPPER SLIP	650-55-110X	2
11	RELEASING SLIP	650-55-120	1
12	SLIP COIL SPRING	070-55-900	7
13	UPPER CONE	650-55-410	1
14	VALVE CHAMBER	650-55-310	1
15	HOLD DOWN PISTON	650-55-315	1
16	VALVE INSERT	650-55-960	1
17	VALVE SPLIT RING	650-55-965	1
18	CENTRAL COUPLING	650-55-620	1
19	SEAL ASSEMBLY	600-56-520	1
20	GAGE RING, 20.0 - 23.0#	650-57-831	2
21	PACKING ELEMENT, 90 DURO, 20.0 - 23.0#	602-57-513	2
22	PACKING ELEMENT, 70 DURO, 20.0 - 23.0#	602-57-511	1
23	RUBBER SPACER, 20.0 - 23.0#	602-57-840	2
24	RUBBER RETAINER	650-55-850	1
25	CYLINDER CONNECTION	650-55-650	1
26	RUBBER MANDREL	650-55-220	1
27	SETTING CYLINDER	650-55-755	1
28	COLLET	650-55-660	1
29	SETTING PISTON	650-55-750	1
30	LOCK HOUSING NUT	650-55-725	1
31	LOCKING NUT	650-55-720	1
32	LOWER CONE	650-55-420	1
33	MANDREL COUPLING	650-50-680	1
34	LOWER MANDREL	650-55-230	1
35	LOWER SLIP BODY	650-55-325	1
36	LOWER SLIP BODY CAP	650-55-335	1
37	SHEAR HOUSING	650-55-740	1
38	UPPER SLIP W/CARBIDE	600-55-110X	4

Wholesale Product List

39	BOTTOM SUB, 2-3/8 EU 8RD	650-50-670	1
40	O-RING	050-90-334	1
41	SHEAR SCREW, BRASS	B20-C4-010	6
42	SETTING SLEEVE SCREW	650-55-901	10
43	RELEASE SLEEVE SCREW	650-55-902	6
44	O-RING	050-90-340	2
45	O-RING	050-90-231	1
46	O-RING	050-90-237	1
47	O-RING	050-90-235	1
48	O-RING	050-90-151	1
49	SPIROLOC RING	040-00-312	1
50	SPIROLOC RING	040-00-334	1
51	O-RING	050-90-333	1
52	O-RING	050-90-339	1

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

COMPLETE ASSEMBLY

650-72

CASING RANGE: 17.0 - 29.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 20-7/8 EU 8RD	651-70-610	1
2	TOP CAP	651-70-810	1
3	SPRING CAGE	651-70-311	1
4	RUBBER SPRING	650-73-925	2
5	FOLLOWER SPRING	610-70-920	1
6	SPLIT RING	651-70-331	1
7	UPPER SLIP BODY	651-70-320	1
8	UPPER SLIP	651-70-110X	2
9	RELEASING SLIP	651-70-120	1
10	UPPER MANDREL	651-70-210	1
11	UPPER CONE	651-70-410	1
12	VALVE CHAMBER	651-70-310	1
13	COMPENSATING PISTON	651-70-710	1
14	INSERT VALVE CAP	651-70-961	1
15	VALVE INSERT	651-70-960	1
16	CENTER COUPLING	651-70-620	1
17	GAGE RING	611-72-830	2
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 MANDREL	651-70-220	1
22	RUBBER RETAINER	651-70-850	1
23	CYLINDER CONNECTION	651-70-650	1
24	SETTING CYLINDER	651-70-755	1
25	COLLET	651-70-660	1
26	SETTING PISTON	651-70-750	1
27	LOCKING NUT	651-70-720	1
28	LOCK HOUSING NUT	651-70-725	1
29	LOWER CONE	651-70-420	1
30	MANDREL COUPLING	651-70-680	1
31	LOWER MANDREL	651-70-230	1
32	LOWER SLIP BODY	651-70-325	1
33	LOWER SLIP BODY CAP	651-70-335	1
34	SHEAR HOUSING	651-70-740	1

Wholesale Product List

35	BOTTOM SUB	51CB-07	1
36	SHEAR SCREW, BRASS	B20-C4-010	3
37	SLIP COIL SPRING	070-70-900	7
38	SLIP BAND	651-70-950	2
39	SEAL ASSEMBLY	651-70-520	1
40	SHEAR SCREW, BRASS 2575 LBS. EA.	210-00-901	6
41	RELEASE SHEAR SCREW	650-00-900	6
42	SHEAR SCREW, BRASS	B20-C4-010	3
43	O-RING	050-90-344	2
44	O-RING	050-90-339	1
45	O-RING	050-90-337	1
46	O-RING	050-90-349	1
47	O-RING	050-90-349	1
48	O-RING	050-90-338	1
49	UPPER SLIP W/CARBIDE	600-70-111	4
50	O-RING	050-90-153	1
51	O-RING	050-90-243	1
52	SPIROLOC RING	040-00-393	1

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

COMPLETE ASSEMBLY

650-73

CASING RANGE: 26.0 - 35.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	650-73-610	1
2	TOP CAP	650-73-810	1
3	SPRING CAGE	600-73-310	1
4	RUBBER SPRING	650-73-925	2
5	FOLLOWER SPRING	600-73-920	1
6	SPRING RETAINING RING	600-73-820	1
7	UPPER SLIP BODY	650-73-320	1
8	UPPER SLIP	650-73-110X	2
9	RELEASING SLIP	650-73-120	1
10	SLIP COIL SPRING	070-55-900	7
11	SLIP BAND	650-73-950	2
12	UPPER CONE	650-73-410	1
13	VALVE CHAMBER	650-73-310	1
14	HOLD DOWN PISTON	650-73-300	1
15	VALVE INSERT	650-73-960	1
16	VALVE SPLIT RING	650-73-965	1
17	CENTER COUPLING	650-73-620	1
18	SEAL ASSEMBLY	650-73-520	1
19	GAGE RING, 26.0 - 32.0#	611-70-830	2
20	PACKING ELEMENT, 90 DURO, 26.0 - 32.0#	650-73-513	2
21	PACKING ELEMENT, 70 DURO, 26.0 - 32.0#	650-73-511	1
22	RUBBER SPACER, 26.0 - 32.0#	650-73-840	2
23	RUBBER RETAINER	602-73-850	1
24	CYLINDER CONNECTION	650-73-650	1
25	RUBBER MANDREL	650-73-220	1
26	SETTING CYLINDER	650-73-755	1
27	COLLET	653-73-660	1
28	SETTING PISTON	650-73-750	1
29	LOCK HOUSING	650-73-725	1
30	LOCKING NUT	650-73-720	1
31	LOWER CONE	650-73-420	1
32	UPPER SLIP W/CARBIDE	600-73-110X	4
33	LOWER SLIP BODY	650-73-325	1
34	LOWER SLIP BODY CAP	651-70-335	1
35	SHEAR HOUSING	650-73-740	1
36	LOWER MANDREL	650-73-230	1
37	MANDREL COUPLING	650-73-680	1
38	UPPER SPLIT RING	650-73-331	1
39	UPPER MANDREL	650-73-210	1

Wholesale Product List

40	BOTTOM SUB	51CB-08	1
41	SHEAR SCREW, BRASS	B20-C4-008	6
42	SHEAR SCREW, BRASS 2575 LBS. EA.	210-00-901	6
43	SHEAR SCREW, BRASS 6200 LBS. EA.	650-00-900	6
44	O-RING	050-90-427	4
45	O-RING	050-90-343	2
46	O-RING	050-90-155	1
47	O-RING	050-90-348	1
48	SPIROLOC RING	040-00-425	1
49	SPIROLOC RING	040-01-437	1
50	O-RING	050-90-342	1

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

COMPLETE ASSEMBLY

650-74

CASING RANGE: 17.0 - 29.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	650-73-610	1
2	TOP CAP	650-73-810	1
3	SPRING CAGE	600-73-310	1
4	RUBBER SPRING	650-73-925	2
5	FOLLOWER SPRING	600-73-920	1
6	SPRING RETAINING RING	600-73-820	1
7	UPPER SLIP BODY	650-73-320	1
8	UPPER SLIP	650-73-110X	2
9	RELEASING SLIP	650-73-120	1
10	SLIP COIL SPRING	070-55-900	7
11	SLIP BAND	650-73-950	2
12	UPPER CONE	650-73-410	1
13	VALVE CHAMBER	650-73-310	1
14	HOLD DOWN PISTON	650-73-300	1
15	VALVE INSERT	650-73-960	1
16	VALVE SPLIT RING	650-73-965	1
17	CENTER COUPLING	650-73-620	1
18	SEAL ASSEMBLY	650-73-520	1
19	RUBBER RETAINER	602-73-850	1
20	GAGE RING, 17.0 - 26.0#	611-72-830	2
21	PACKING ELEMENT, 90 DURO, 17.0 - 26.0#	602-74-513	2
22	PACKING ELEMENT, 70 DURO, 17.0 - 26.0#	602-74-511	1
23	RUBBER SPACER, 17.0 - 29.0#	650-74-840	2
24	CYLINDER CONNECTION	650-73-650	1
25	RUBBER MANDREL	650-73-220	1
26	SETTING CYLINDER	650-73-755	1
27	COLLET	653-73-660	1
28	SETTING PISTON	650-73-750	1
29	LOCK HOUSING	650-73-725	1
30	LOCKING NUT	650-73-720	1
31	LOWER CONE	650-73-420	1
32	UPPER SLIP W/CARBIDE	600-73-110X	4
33	LOWER SLIP BODY	650-73-325	1
34	LOWER SLIP BODY CAP	651-70-335	1
35	SHEAR HOUSING	650-73-740	1
36	LOWER MANDREL	650-73-230	1
37	MANDREL COUPLING	650-73-680	1
38	UPPER SPLIT RING	650-73-331	1
39	UPPER MANDREL	650-73-210	1

Wholesale Product List

40	BOTTOM SUB, 2-7/8 EU 8RD	650-73-675	1
41	SHEAR SCREW, BRASS	B20-C4-008	6
42	SHEAR SCREW, BRASS 2575 LBS. EA.	210-00-901	6
43	SHEAR SCREW, BRASS 6200 LBS. EA.	650-00-900	6
44	O-RING	050-90-427	4
45	O-RING	050-90-343	2
46	O-RING	050-90-155	1
47	O-RING	050-90-348	1
48	SPIROLOC RING	040-00-425	1
49	SPIROLOC RING	040-01-437	1
50	O-RING	050-90-342	1

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

COMPLETE ASSEMBLY

650-77

CASING RANGE: 29.7 - 39.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	650-73-610	1
2	TOP CAP	650-73-810	1
3	SPRING CAGE	600-73-310	1
4	FOLLOWER SPRING	600-73-920	1
5	RUBBER SPRING	650-73-925	2
6	UPPER SLIP BODY	650-75-320	1
7	UPPER SLIP SUPPORT	650-75-880	1
8	UPPER SLIP W/CARBIDE	600-75-110	2
9	RELEASING SLIP	650-75-120	1
10	SLIP COIL SPRING	070-55-900	7
11	SLIP BAND	650-75-950	2
12	UPPER CONE	650-75-410	1
13	VALVE CHAMBER	650-73-310	1
14	HOLD DOWN PISTON	650-73-300	1
15	VALVE INSERT	650-73-960	1
16	VALVE SPLIT RING	650-73-965	1
17	SPIROLOC RING	040-00-425	1
18	CENTER COUPLING	650-73-620	1
19	SPIROLOC RING	040-01-437	1
20	SEAL ASSEMBLY	650-73-520	1
21	GAGE RING, 29.7 - 39.0#	650-75-830	2
22	PACKING ELEMENT, 90 DURO, 29.7 - 39.0#	650-75-513	2
23	PACKING ELEMENT, 70 DURO, 29.7 - 39.0#	650-75-511	1
24	RUBBER SPACER, 29.7 - 39.0#	650-75-840	2
25	RUBBER RETAINER	602-73-850	1
26	CYLINDER CONNECTION	650-73-650	1
27	RUBBER MANDREL	650-73-220	1
28	SETTING CYLINDER	650-73-755	1
29	COLLET	653-73-660	1
30	SETTING PISTON	650-73-750	1
31	LOCK HOUSING	650-73-725	1
32	LOCKING NUT	650-73-720	1
33	LOWER CONE	650-75-420	1
34	UPPER SLIP W/CARBIDE	600-75-110	4
35	LOWER SLIP BODY	650-75-325	1
36	LOWER SLIP SUPPORT	650-75-912	1
37	LOWER SLIP SUPPORT NUT	650-75-913	1
38	SHEAR HOUSING	650-73-740	1
39	LOWER MANDREL	650-73-230	1
40	MANDREL COUPLING	650-73-680	1
41	UPPER SPLIT RING	650-73-331	1

Wholesale Product List

42	BOTTOM SUB	51CB-08	1
43	SHEAR SCREW, BRASS	B20-C4-008	3
44	SHEAR SCREW, BRASS	B20-C4-006	3
45	SHEAR SCREW, BRASS 2575 LBS. EA.	210-00-901	6
46	SHEAR SCREW, BRASS 6200 LBS. EA.	650-00-900	6
47	UPPER MANDREL	650-73-210	1
48	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
49	O-RING	050-90-427	4
50	O-RING	050-90-343	2
51	O-RING	050-90-155	1
52	O-RING	050-90-348	1
53	O-RING	050-90-342	1

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

COMPLETE ASSEMBLY

650-78

CASING RANGE: 20.0- 33.7#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	650-73-610	1
2	TOP CAP	650-73-810	1
3	SPRING CAGE	600-73-310	1
4	FOLLOWER SPRING	600-73-920	1
5	RUBBER SPRING	650-73-925	2
6	UPPER SLIP BODY	650-76-320	1
7	UPPER SLIP SUPPORT	650-75-880	1
8	UPPER SLIP W/CARBIDE	600-75-110	2
9	RELEASING SLIP	650-75-120	1
10	SLIP COIL SPRING	070-55-900	7
11	SLIP BAND	650-75-950	2
12	UPPER CONE	650-75-410	1
13	VALVE CHAMBER	650-73-310	1
14	HOLD DOWN PISTON	650-73-300	1
15	VALVE INSERT	650-73-960	1
16	VALVE SPLIT RING	650-73-965	1
17	SPIROLOC RING	040-00-425	1
18	CENTER COUPLING	650-73-620	1
19	SPIROLOC RING	040-01-437	1
20	SEAL ASSEMBLY	650-73-520	1
21	GAGE RING, 20.0- 33.7#	650-76-831	2
22	PACKING ELEMENT 90 DURO, 20.0- 33.7#	650-76-513	2
23	PACKING ELEMENT, 70 DURO, 20.0- 33.7#	650-76-511	1
24	RUBBER SPACER, 20.0-33.7#	650-76-840	2
25	RUBBER RETAINER	602-73-850	1
26	CYLINDER CONNECTION	650-73-650	1
27	RUBBER MANDREL	650-73-220	1
28	SETTING CYLINDER	650-73-755	1
29	COLLET	653-73-660	1
30	SETTING PISTON	650-73-750	1
31	LOCK HOUSING	650-73-725	1
32	LOCKING NUT	650-73-720	1
33	LOWER CONE	650-75-420	1
34	UPPER SLIP W/CARBIDE	600-75-110	4
35	LOWER SLIP BODY	650-76-325	1
36	LOWER SLIP SUPPORT	650-75-912	1
37	LOWER SLIP SUPPORT NUT	650-75-913	1
38	SHEAR HOUSING	650-73-740	1
39	LOWER MANDREL	650-73-230	1
40	MANDREL COUPLING	650-73-680	1
41	UPPER SPLIT RING	650-73-331	1

Wholesale Product List

42	BOTTOM SUB	51CB-08	1
43	SHEAR SCREW, BRASS	B20-C4-008	3
44	SHEAR SCREW, BRASS	B20-C4-006	3
45	SHEAR SCREW, BRASS 2575 LBS. EA.	210-00-901	6
46	SHEAR SCREW, BRASS 6200 LBS. EA.	650-00-900	6
47	UPPER MANDREL	650-73-210	1
48	SOC. SET SCREW, 1/4-20 X 1/4	003-C4-004	3
49	O-RING	050-90-427	4
50	O-RING	050-90-343	2
51	O-RING	050-90-155	1
52	O-RING	050-90-348	1
53	O-RING	050-90-342	1

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

COMPLETE ASSEMBLY

650-85

CASING RANGE: 28.0 - 40.0#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	650-95-610	1
2	TOP CAP	650-95-810	1
3	SPRING CAGE	650-95-311	1
4	RUBBER SPRING	650-95-925	2
5	FOLLOWER SPRING	610-95-920	1
6	UPPER SPLIT RING	650-95-331	1
7	UPPER SLIP SUPPORT	650-85-800	1
8	UPPER SLIP BODY	650-85-320	1
9	UPPER SLIP W/CARBIDE	600-85-110	2
10	RELEASING SLIP	650-85-120	1
11	UPPER MANDREL	650-95-210	1
12	UPPER CONE	650-85-410	1
13	VALVE CHAMBER	650-95-310	1
14	COMPENSATING PISTON	650-95-710	1
15	VALVE INSERT CAP	650-95-961	1
16	VALVE INSERT	650-95-960	1
17	SEAL RETAINING RING	650-85-525	1
18	SEAL ASSEMBLY	650-95-520	1
19	CENTER COUPLING	650-84-620	1
20	GAGE RING	650-85-860	2
21	PACKING ELEMENT, 90 DURO, 24.0 - 40.0#	613-85-513	2
22	PACKING ELEMENT, 70 DURO, 24.0 - 40.0#	613-85-511	1
23	RUBBER SPACER	613-85-840	2
24	RUBBER MANDREL	650-95-220	1
25	RUBBER RETAINER	650-84-850	1
26	CYLINDER CONNECTION	650-84-650	1
27	SETTING CYLINDER	650-85-756	1
28	UPPER COLLET	653-95-660	1
29	SETTING PISTON	650-85-751	1
30	LOCKING NUT	650-85-722	1
31	LOWER CONE, 28.0 - 40.0#	650-85-421	1
32	MANDREL COUPLING	650-95-680	1
33	LOWER MANDREL	650-95-230	1
34	LOWER SLIP BODY	650-85-325	1
35	LOWER SLIP SUPPORT	650-85-805	1
36	LOWER SLIP SUPPORT NUT	650-95-335	1
37	UPPER SLIP W/CARBIDE	600-85-110	4
38	SHEAR HOUSING	650-95-740	1

Wholesale Product List

39	BOTTOM SUB	51CB-08	1
40	SLIP BAND	650-85-950	2
41	SLIP COIL SPRING	070-70-900	7
42	SHEAR SCREW, BRASS	B20-C4-010	6
43	SHEAR SCREW, 4908 LBS. EA.	650-95-902	6
44	SHEAR SCREW, BRASS 6200 LBS. EA.	650-00-900	6
45	O-RING	050-90-351	2
46	O-RING	050-90-343	2
47	O-RING	050-90-046	1
48	O-RING	050-90-357	1
49	O-RING	050-90-342	1
50	O-RING	050-90-360	2

9-5/8" X 3-1/2" HYDROW I PACKER

COMPLETE ASSEMBLY

650-95

CASING RANGE: 40.0 - 53.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	650-95-610	1
2	TOP CAP	650-95-810	1
3	SPRING CAGE	650-95-311	1
4	RUBBER SPRING	650-95-925	2
5	FOLLOWER SPRING	610-95-920	1
6	UPPER SPLIT RING	650-95-331	1
7	UPPER SLIP SUPPORT	600-95-880	1
8	UPPER SLIP BODY	650-95-320	1
9	UPPER SLIP W/CARBIDE	600-95-110	6
10	RELEASING SLIP	650-95-120	1
11	UPPER MANDREL	650-95-210	1
12	UPPER CONE	650-95-410	1
13	VALVE CHAMBER	650-95-310	1
14	COMPENSATING PISTON	650-95-710	1
15	VALVE INSERT CAP	650-95-961	1
16	VALVE INSERT	650-95-960	1
17	CENTER COUPLING	650-95-620	1
18	GAGE RING, 40.0 - 53.5#	650-95-831	2
19	PACKING ELEMENT, 90 DURO, 43.5-53.5#	725-95-523	2
20	PACKING ELEMENT, 70 DURO, 43.5-53.5#	725-95-521	1
21	RUBBER SPACER, 43.5-53.5#	602-95-840	2
22	RUBBER MANDREL	650-95-220	1
23	RUBBER RETAINER	650-95-850	1
24	CYLINDER CONNECTION	650-95-651	1
25	SETTING CYLINDER	650-95-756	1
26	UPPER COLLET	653-95-660	1
27	SETTING PISTON	650-95-751	1
28	LOCKING NUT	650-95-723	1
29	LOWER CONE, 40.0 - 53.5#	650-95-422	1
30	MANDREL COUPLING	650-95-680	1
31	LOWER MANDREL	650-95-230	1
32	LOWER SLIP BODY	650-95-325	1
33	LOWER SLIP SUPPORT	650-95-913	1
34	LOWER SLIP SUPPORT NUT	650-95-335	1
35	SHEAR HOUSING	650-95-740	1

Wholesale Product List

36	BOTTOM SUB, 3-1/2 EU 8RD	650-73-670	1
37	SHEAR SCREW, BRASS	B20-C4-010	3
38	SLIP COIL SPRING	070-70-900	7
39	SLIP BAND, 40.0 - 53.5#	650-95-950	2
40	SPIROLOC RING	040-00-462	1
41	SEAL ASSEMBLY	650-95-520	1
42	SHEAR SCREW, 4908 LBS. EA.	650-95-903	6
43	SHEAR SCREW, BRASS 6200 LBS. EA.	650-00-900	6
44	SHEAR SCREW, BRASS	B20-C4-010	3
45	O-RING	050-90-351	2
46	O-RING	050-90-343	2
47	O-RING	050-90-357	1
48	O-RING	050-90-342	1
49	O-RING	050-90-439	2
50	O-RING	050-90-046	1

9-5/8" X 3-1/2" HYDROW I PACKER

COMPLETE ASSEMBLY

650-96

CASING RANGE: 29.3 - 43.5#

ITEM	DESCRIPTION	PART #	NO. REQ'D.
1	TOP SUB, 3-1/2 EU 8RD	650-95-610	1
2	TOP CAP	650-95-810	1
3	SPRING CAGE	650-95-311	1
4	RUBBER SPRING	650-95-925	2
5	FOLLOWER SPRING	610-95-920	1
6	UPPER SPLIT RING	650-95-331	1
7	UPPER SLIP SUPPORT	600-96-880	1
8	UPPER SLIP BODY	650-96-320	1
9	UPPER SLIP W/CARBIDE	600-95-110	6
10	RELEASING SLIP	650-95-120	1
11	UPPER MANDREL	650-95-210	1
12	UPPER CONE, 32.3-43.5#	650-96-410	1
13	VALVE CHAMBER	650-95-310	1
14	COMPENSATING PISTON	650-95-710	1
15	VALVE INSERT CAP	650-95-961	1
16	VALVE INSERT	650-95-960	1
17	CENTER COUPLING	650-95-620	1
18	GAGE RING, 32.3-43.5#	650-96-831	2
19	PACKING ELEMENT, 90 DURO, 32.3-43.5#	725-96-523	2
20	PACKING ELEMENT, 70 DURO, 32.3-43.5#	725-96-521	1
21	RUBBER SPACER, 32.3-43.5#	602-96-840	2
22	RUBBER MANDREL	650-95-220	1
23	RUBBER RETAINER	650-95-850	1
24	CYLINDER CONNECTION	650-95-651	1
25	SETTING CYLINDER	650-95-756	1
26	UPPER COLLET	653-95-660	1
27	SETTING PISTON	650-95-751	1
28	LOCKING NUT	650-95-723	1
29	LOWER CONE, 29.3-43.5#	650-96-421	1
30	MANDREL COUPLING	650-95-680	1
31	LOWER MANDREL	650-95-230	1
32	LOWER SLIP BODY	650-96-325	1
33	LOWER SLIP SUPPORT	650-96-913	1
34	LOWER SLIP SUPPORT NUT	650-95-335	1
35	SHEAR HOUSING	650-95-740	1

Wholesale Product List

36	BOTTOM SUB, 3-1/2 EU 8RD	650-73-670	1
37	SHEAR SCREW, BRASS	B20-C4-010	3
38	SLIP COIL SPRING	070-70-900	7
39	SLIP BAND, 32.3-43.5#	650-96-950	2
40	SPIROLOC RING	040-00-462	1
41	SEAL ASSEMBLY	650-95-520	1
42	SHEAR SCREW, 4908 LBS. EA.	650-95-903	6
43	SHEAR SCREW, BRASS 6200 LBS. EA.	650-00-900	6
44	SHEAR SCREW, BRASS	B20-C4-010	3
45	O-RING	050-90-351	2
46	O-RING	050-90-343	2
47	O-RING	050-90-357	1
48	O-RING	050-90-342	1
49	O-RING	050-90-439	2
50	O-RING	050-90-046	1

WH-6 HYDRAULIC SET RETRIEVABLE PACKER

COMPLETE ASSEMBLY

5 1/2", 6 5/8" and 7" options available

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