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AOT “DU” TYPE ROTARY SLIPS

The AOT “DU” Rotary slips are designed for long trouble free service. They are made of alloy steel and heat-treated for strength and resistance to wear. Both slips are for use in API tapered bowls. The AOT “DU” regular has a 12” long gripping surface and is designed for wells 8000’ or less. The AOT “DU” Long has a 16” long gripping surface and is designed for deep wells and heavier drill strings.



AOT#	SLIP BODY SIZE	TYPE	REF#	WT.
03-114	4 1/2”	DU/REGULAR	7613-59	123.00
03-115	4 1/2”	DU/LONG	7613-64	150.00
03-116	5 1/2”	DU/REGULAR	7613-60	128.00
03-117	5 1/2”	DU/LONG	7613-65	162.00
03-118	7”	DU/REGULAR	7613-62	132.00
03-119	7”	DU/LONG	7313-66	192.00



REPLACEMENT PARTS FOR AOT “DU” REGULAR ROTARY SLIPS

AOT#	ITEM#	DESCRIPTION	*SPARES	#REQ.	REF.#	WT.
03-102	1	REAR HANDLE	1	1	7613-5195	5.00
03-105	2	HINGE PIN	2	2	7613-A-12	1.25
03-101	3	FRONT HANDLE	2	2	7613-A-157	4.00
03-104	4	LINER RETAINER KEY	3	3	7613-A-52	1.50
03-106	6	FRONT HANDLE PIN	2	2	7613-B-12	.25
03-107	7	REAR HANDLE PIN	1	1	7613-C-12	.38
03-108	8	HINGE SPRING ASSY.	2	2	7613-211	1.25
	9	INSERTS F/DU SEE PAGE 4		18		
03-300	10	SAFETY FLEX HANDLE (UNIVERSAL)		3		5.00

REPLACEMENT PARTS FOR AOT “DU” LONG ROTARY SLIPS

AOT#	ITEM#	DESCRIPTION	*SPARES	#REQ.	REF.#	WT.
03-102	1	REAR HANDLE	1	1	7613-5195	5.00
03-105	2	HINGE PIN	2	2	7613-A-12	1.25
03-101	3	FRONT HANDLE	2	2	7613-A-157	4.00
03-103	5	LINER RETAINER KEY	3	3	7613-A-67	1.75
03-106	6	FRONT HANDLE PIN	2	2	7613-B-12	.25
03-107	7	REAR HANDLE PIN	1	1	7613-C-12	.38
03-108	8	HINGE SPRING ASSY.	2	2	7613-211	1.25
	9	INSERTS F/DU SEE PAGE 4		24		
03-300	10	SAFETY FLEX HANDLE (UNIVERSAL)		3		5.00

*RECOMMENDED SPARE PARTS FOR 1 YEAR OPERATION

INSERTS FOR 4 1/2" "DU" ROTARY TYPE SLIPS AND FOR 4 1/2" "TS-100" SPIDER SLIPS

AOT #	DESCRIPTION	REF.#	WT.	AOT # (SPECIAL FULL FACE INSERTS)
03-120	4 1/2" X 4 1/2"	7613-A-81	.75	03-210
	4 1/2" X 4 3/8"	N/A	.80	03-213
	4 1/2" X 4 1/4"	N/A	.85	03-216
	4 1/2" X 4 1/8"	N/A	.90	03-219
03-121	4 1/2" X 4"	7613-FF-81	1.00	03-221
	4 1/2" X 3 3/4"	N/A	1.75	03-224
03-122	4 1/2" X 3 1/2"	7613-C-82	1.50	03-227
	4 1/2" X 3 3/8"	N/A	1.65	03-229
	4 1/2" X 3 1/4"	N/A	1.75	03-228
	4 1/2" X 3 1/8"	N/A	1.85	03-230
	4 1/2" X 3"	N/A	1.90	03-231
03-123	4 1/2" X 2 7/8"	7613-B-82	2.00	03-233
03-124	4 1/2" X 2 3/8"	7613-A-82	2.25	03-236
03-125	4 1/2" X 2 1/16"	7613-M-82	2.50	03-237
03-126	4 1/2" X 1.900"	7613-H-82	2.75	03-238
03-127	4 1/2" X 1.660"	N/A	2.80	03-239

INSERTS FOR 5 1/2" "DU" ROTARY TYPE SLIPS AND 5 1/2" "TS-100" SLIPS

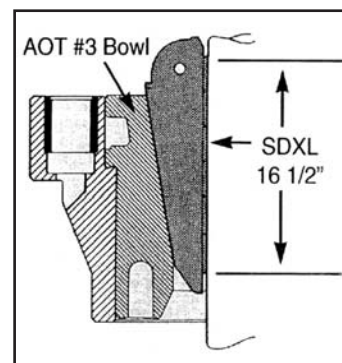
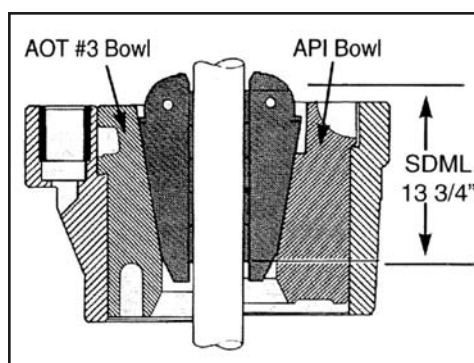
AOT #	DESCRIPTION	REF. #	WT.	AOT # (SPECIAL FULL FACE INSERTS)
	5 1/2" X 5 3/4"	N/A	.85	03-241
03-130	5 1/2" X 5 1/2"	7613-H-81	1.00	03-240
03-131	5 1/2" X 5"	7613-G-81	1.50	03-243
	5 1/2" X 4 3/4"	N/A	1.75	03-246
03-132	5 1/2" X 4 1/2"	7613-E-81	2.00	03-249
	5 1/2" X 4 3/8"	N/A	2.10	03-247
	5 1/2" X 4 1/4"	N/A	2.15	03-252
	5 1/2" X 4 1/8"	N/A	2.20	03-255
03-133	5 1/2" X 4"	N/A	2.25	03-258
	5 1/2" X 3 3/4"	N/A	2.28	03-261
03-134	5 1/2" X 3 1/2"	7613-E-82	2.31	03-264
	5 1/2" X 3 1/4"	N/A	2.38	03-266
	5 1/2" X 3 1/8"	N/A	2.45	03-268
	5 1/2" X 3"	N/A	2.52	03-270
	5 1/2" X 2 7/8"	N/A	2.60	03-275
	5 1/2" X 2 3/8"	N/A	2.80	03-277

INSERTS FOR 7" "DU" ROTARY TYPE SLIPS

AOT #	DESCRIPTION	REF. #	WT.
03-140	7" X 7"	7613-EE-81	1.25
03-141	7" X 6 5/8"	7613-DD-81	1.75
03-146	7" X 5 7/8"	N/A	3.00
03-142	7" X 5 1/2"	7613-Z-81	3.25
03-143	7" X 5"	7613-Y-81	3.75
03-144	7" X 4 1/2"	7613-W-81	4.00

NOTE: "DU" REGULAR REQUIRES 18 INSERTS PER SET
 "DU" LONG REQUIRES 24 INSERTS PER SET
 4 1/2" & 5 1/2" "TS-100" SLIPS REQUIRE 12 INSERTS PER SET
 * 1 SET INSERTS PER PIPE SIZE RECOMMENDED FOR 1 YEAR SPARES

AOT “SD” TYPE ROTARY SLIPS



All Access “SDML” and “SDXL” Slips are made of alloy steel and heat-treated for strength and long life. These slips are then machined by strict quality control procedures for use in API standard bowls.

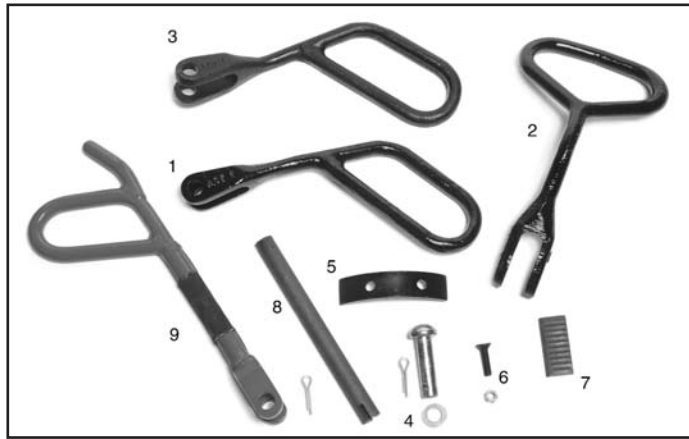
AOT “SD” TYPE ROTARY SLIPS LESS INSERTS

AOT#	SLIP BODY SIZE	TYPE	REF#	WT.
23-100	3 1/2" O.D.	SDML	15522-1	153.00
23-200	4 1/2" O.D.	SDML	15565-1	173.00
23-300	5" O.D.	SDML	15569-1	170.00
23-400	5 1/2" O.D.	SDML	15573-1	166.00
24-200	4 1/2" O.D.	SDXL	15562	182.00
24-100	5" O.D.	SDXL	15566	193.00
24-300	5 1/2" O.D.	SDXL	15570	190.00
25-700	7" O.D.	SDXL	N/A	206.00

AOT “SD” TYPE ROTARY SLIPS WITH INSERTS

AOT#	SLIP SIZE/PIPE SIZE	TYPE	REF#	WT.
23-135	3 1/2" x 3 1/2"	SDML	15522	180.00
23-127	3 1/2" x 2 7/8"	SDML	15523	188.00
23-123	3 1/2" x 2 3/8"	SDML	15524	193.00
23-245	4 1/2" x 4 1/2"	SDML	15565	188.00
23-240	4 1/2" x 4"	SDML	15564	199.00
23-235	4 1/2" x 3 1/2"	SDML	15563	207.00
23-500	5" x 5"	SDML	15569	185.00
23-545	5" x 4 1/2"	SDML	15568	196.00
23-540	5" x 4"	SDML	15567	204.00
23-455	5 1/2" x 5 1/2"	SDML	15573	181.00
23-450	5 1/2" x 5"	SDML	15572	192.00
23-445	5 1/2" x 4 1/2"	SDML	15571	200.00
24-245	4 1/2" x 4 1/2"	SDXL	15513	205.00
24-240	4 1/2" x 4"	SDXL	15514	219.00
24-235	4 1/2" x 3 1/2"	SDXL	15515	229.00
24-150	5" x 5"	SDXL	15516	213.00
24-145	5" x 4 1/2"	SDXL	15517	227.00
24-140	5" x 4"	SDXL	15518	237.00
24-355	5 1/2" x 5 1/2"	SDXL	15519	210.00
24-350	5 1/2" x 5"	SDXL	15520	224.00
24-345	5 1/2" x 4 1/2"	SDXL	15521	234.00
25-770	7" x 7"	SDXL	86719	230.00
25-765	7" x 6 5/8"	SDXL	86720	236.00

REPLACEMENT PARTS FOR “SD” TYPE ROTARY SLIPS



AOT#	ITEM#	DESCRIPTION	SIZE	#REQ.	REF.#	WT.	SPARES*
23-150	1	LEFT HANDLE	ALL	1	3768	3.50	1
14-103	2	REAR HANDLE	ALL	1	3766	4.00	1
23-151	3	RIGHT HANDLE	ALL	1	3767	3.50	1
14-105	4	HANDLE PIN w/WASHER & COTTER	ALL	3	3769	.50	3
23-104	5	INSERT RETAINER RING	3 1/2"	3	3738	1.00	3
23-105	5	INSERT RETAINER RING	4 1/2"	3	3739	1.00	3
23-106	5	INSERT RETAINER RING	5"	3	3741	1.00	3
23-107	5	INSERT RETAINER RING	5 1/2"	3	3740	1.00	3
23-108	5	INSERT RETAINER RING	7"	3	3742	1.00	3
23-109	6	INSERT RETAINER SCREW & NUT	ALL	6	3737	.02	12
23-110	7	INSERT	SEE CHART				
23-111	8	HINGE PINS w/COTTER	ALL	2	2192	1.20	2
23-112	9	SAFETY FLEX HANDLE	ALL	3	N/A	4.00	

*RECOMMENDED SPARE PARTS FOR 1 YEAR SERVICE

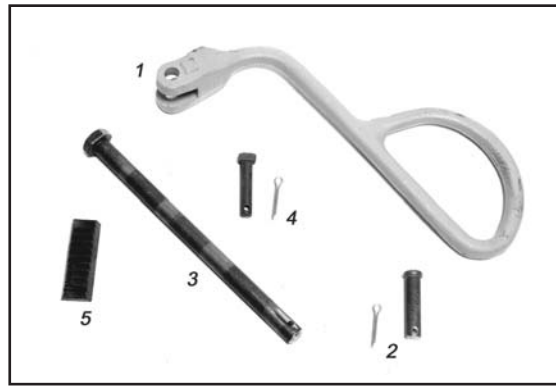
INSERTS FOR “SDML” & “SDXL” SLIPS

AOT#	SIZE	TYPE	REF#	WT//SET SDML/SDXL
23-155	3 1/2" x 3 1/2"	BASIC	2162	10.00
23-156	3 1/2" x 2 7/8"	REDUCER	2161	15.00
23-157	3 1/2" x 2 3/8"	REDUCER	2160	20.00
23-158	4 1/2" x 4 1/2"	BASIC	2165	15.00 / 18.00
23-159	4 1/2" x 4"	REDUCER	2164	23.00 / 27.00
23-160	4 1/2" x 3 1/2"	REDUCER	2163	30.00 / 36.00
23-161	5" x 5"	BASIC	2167	15.00 / 18.00
23-162	5" x 4 1/2"	REDUCER	2166	23.00 / 27.0
23-163	5" x 4"	REDUCER	2168	30.00 / 36.00
23-164	5 1/2" x 5 1/2"	BASIC	2170	15.00 / 18.00
23-165	5 1/2" x 5"	REDUCER	2169	23.00 / 27.00
23-163	5 1/2" x 4 1/2"	REDUCER	2168	30.00 / 36.00
23-166	7" x 7"	BASIC	2173	20.00 / 26.00
23-167	7" x 6 5/8"	REDUCER	2172	25.00 / 41.00

ALL “SDXL” SLIPS EXCEPT 7” TAKE 54 INSERTS
 3 1/2” “SDML” SLIPS TAKE 30 INSERTS
 ALL OTHER “SDML” SLIPS EXCEPT 7” TAKE 45 INSERTS
 7” “SDXL” SLIPS TAKE 72 INSERTS
 7” “SDML” SLIPS TAKE 60 INSERTS

* RECOMMENDED SPARES INCLUDE 3 SETS INSERTS FOR EACH PIPE SIZE TO BE RUN

REPLACEMENT PARTS FOR WOOLLEY® TYPE “A” DRILL COLLAR SLIPS

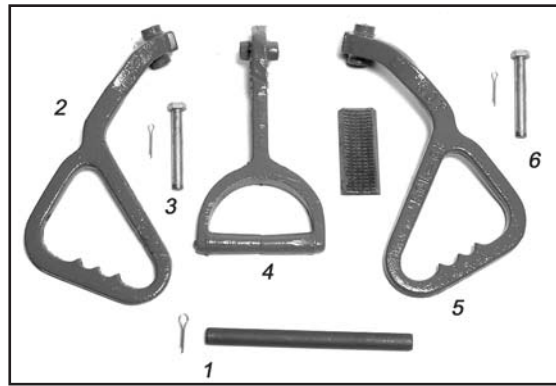


AOT#	ITEM #	DESCRIPTION	REF #	# REQ.	WT.
08-102	1	HANDLE	707-000-0200	3	2.5
08-103	2	HANDLE PIN	707-000-3000	3	.15
20-101	3	HINGE PIN	707-000-0100	•	1.15
20-102	4	INSERT RET. PIN	707-000-0600	•	.40
20-103	5	INSERT	707-000-0500	•	.25

REPLACEMENT PARTS FOR VARCO® PS-15 & PS-16 SLIPS

AOT #	DESCRIPTION	REF. #	# REQ.	WT.
34-700	3 1/2" GUIDE RING	79011-1	1	98.00
34-701	4" & 4 1/2" GUIDE RING	79011-2	1	106.00
34-702	5" GUIDE RING	79014-3	1	80.00
34-703	5 1/2" GUIDE RING	79014-4	1	72.00

REPLACEMENT PARTS FOR WOOLLEY® TYPE “B” ROTARY SLIPS



AOT#	ITEM #	DESCRIPTION	REF #	# REQ.	WT.
19-101	1	HINGE PIN	737-000-0500	2	1.12
19-102	2	RIGHT HANDLE	737-000-0300	1	5.35
19-103	3	HANDLE PIN	737-000-0400	3	.25
19-104	4	REAR HANDLE	737-000-0200	1	5.50
19-105	5	LEFT HANDLE	737-000-0100	1	5.35
19-106	6	INSERT RET. PIN	737-000-0600	3	.30

INSERTS FOR WOOLLEY® TYPE “B” ROTARY SLIP

AOT#	DESCRIPTION	REF #	# REQ.	WT.
19-250	4-1/2" X 4-1/2"	757-044-0144	*	.85
19-251	4-1/2" X 4"	757-044-0140		1.20
19-252	4-1/2" X 3-1/2"	757-044-0134		1.75
19-253	4-1/2" X 2-7/8"	757-044-0127		2.00
19-254	4-1/2" X 2-3/8"	757-044-0123		2.15
19-255	4-1/2" X 2-1/16"	N/A	*	2.45

* LONG REQUIRES 24 INSERTS PER SET
 * REGULAR REQUIRES 18 INSERTS PER SET

AOT “C1” TYPE DRILL COLLAR SLIP



The AOT “C-1” Drill Collar Slip has a multi-segment design that allows it to hinge so that it fits all drill collars within the slip's size range. The AOT “C-1” Slip Segments are made of alloy steel which are heat-treated for strength and wear resistance.

AOT TYPE “C-1” DRILL COLLAR SLIPS COMPLETE

AOT #	DRILL COLLAR SIZE / SLIP RECESS	REFERENCE	WT.
08-111	3" - 4 1/2"	7638-5104	112.
08-112	4 1/4" - 5 3/4"	7638-5105	122.
08-113	5 1/2" - 7"	7638-5106	134.
08-114	6 3/4" - 8 1/4"	7638-5107	118.
08-115	8 1/2" - 10"	7638-5108	98.
08-116*	10" - 11 1/4"	7638-5109	158.
08-117 **	11 1/4" - 12 3/4"	7638-5110	210.

ALL PARTS ARE INTERCHANGEABLE WITH BAASH-ROSS® “C-1” DRILL COLLAR SLIPS

* FITS NO. 2 INSERT BOWL

** FITS NO. 1 INSERT BOWL

REPLACEMENT PARTS FOR “C-1” DRILL COLLAR SLIPS



AOT #	ITEM	#DESCRIPTION	** SPARES	SIZE	REQ*	REF. #	WT.
08-102	1	HANDLE	3	3" - 10"	3	7638-A-78	2.50
08-102	1	HANDLE	4	10" - 12 3/4"	4	7638-A-78	2.50
08-107	2	BODY SEGMENT (RIGHT HAND)		3" - 4 1/2"	1	7638-5099-11	10.75
08-120	2	BODY SEGMENT (RIGHT HAND)		4 1/4" - 5 3/4"	1	7638-5100-11	9.25
08-124	2	BODY SEGMENT (RIGHT HAND)		5 1/2" - 7"	1	7638-5101-11	8.25
08-129	2	BODY SEGMENT (RIGHT HAND)		6 3/4" - 8 1/4"	1	7638-5102-11	7.00
08-133	2	BODY SEGMENT (RIGHT HAND)		8 1/2" - 10"	1	7638-5103-11	5.75
08-129	2	BODY SEGMENT (RIGHT HAND)		10" - 11 1/4"	1	7638-5102-11	7.00
08-124	2	BODY SEGMENT (RIGHT HAND)		11 1/4" - 12 3/4"	1	7638-5101-11	8.25
08-108	3	BODY SEGMENT (INTERMEDIATE)		3" - 4 1/2"	6	7638-5099-10	10.75
08-121	3	BODY SEGMENT (INTERMEDIATE)		4 1/4" - 5 3/4"	8	7638-5100-10	9.25
08-125	3	BODY SEGMENT (INTERMEDIATE)		5 1/2" - 7"	10	7638-5101-10	8.25
08-130	3	BODY SEGMENT (INTERMEDIATE)		6 3/4" - 8 1/4"	10	7638-5102-10	7.00
08-134	3	BODY SEGMENT (INTERMEDIATE)		8 1/2" - 10"	10	7638-5103-10	5.75
08-130	3	BODY SEGMENT (INTERMEDIATE)		10" - 11 1/4"	15	7638-5102-10	7.00
08-125	3	BODY SEGMENT (INTERMEDIATE)		11 1/4" - 12 3/4"	17	7638-5101-10	8.25
08-109	4	BODY SEGMENT (LEFT HAND)		3" - 4 1/2"	1	7638-5099-12	10.75
08-122	4	BODY SEGMENT (LEFT HAND)		4 1/4" - 5 3/4"	1	7638-5100-12	9.25
08-126	4	BODY SEGMENT (LEFT HAND)		5 1/2" - 7"	1	7638-5101-12	8.25
08-131	4	BODY SEGMENT (LEFT HAND)		6 3/4" - 8 1/4"	1	7638-5102-12	7.00
08-135	4	BODY SEGMENT (LEFT HAND)		8 1/2" - 10"	1	7638-5103-12	5.75
08-131	4	BODY SEGMENT (LEFT HAND)		10" - 11 1/4"	1	7638-5102-12	7.00
08-126	4	BODY SEGMENT (LEFT HAND)		11 1/4" - 12 3/4"	1	7638-5101-12	8.25
08-103	5	HANDLE PIN w/COTTER	1	3" - 10"	3	7638-E-2	.15
08-103	5	HANDLE PIN w/COTTER	2	10" - 12 3/4"	4	7638-E-2	.15
08-104	6	LINER KEEPER w/BOLT & WASHER	4	3" - 4 1/2"	8	7638-5113	1.00
08-104	6	LINER KEEPER w/BOLT & WASHER	5	4 1/4" - 5 3/4"	10	7638-5113	1.00
08-104	6	LINER KEEPER w/BOLT & WASHER	6	5 1/2" - 10"	12	7638-5113	1.00
08-104	6	LINER KEEPER w/BOLT & WASHER	8	10" - 11 1/4"	17	7638-5113	1.00
08-104	6	LINER KEEPER w/BOLT & WASHER	9	11 1/4" - 12 3/4"	19	7638-5113	1.00
08-105	7	RENEWABLE LINER		3" - 12 3/4"	*	7638-116	1.00
08-101	8	HINGE PIN w/COTTER	3	3" - 4 1/2"	7	7638-B-59	1.15
08-101	8	HINGE PIN w/COTTER	3	4 1/4" - 5 3/4"	9	7638-B-59	1.15
08-101	8	HINGE PIN w/COTTER	3	5 1/2" - 8 1/4"	11	7638-B-59	1.15
08-106	8	HINGE PIN w/COTTER	3	8 1/2" - 10"	11	7638-B-59	.85
08-101	8	HINGE PIN w/COTTER	4	10" - 11 1/4"	16	7638-B-59	1.15
08-101	8	HINGE PIN w/COTTER	4	11 1/4" - 12 3/4"	18	7638-B-59	1.15
08-136	9	SAFETY FLEX HANDLE		ALL	A/R	N/A	5.00

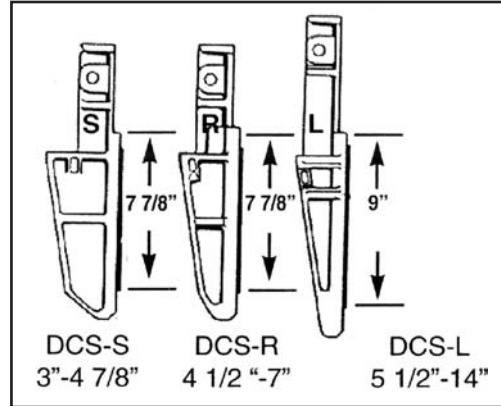
ALL PARTS ARE INTERCHANGEABLE WITH BAASH-ROSS® “C-1” DRILL COLLAR SLIPS

*SAME QUANTITY AS ITEM #6

** NUMBER REQUIRED & RECOMMENDED REPLACEMENT PARTS FOR 1 YEARS OPERATION

1 SET RENEWABLE LINERS RECOMMENDED FOR 1 YEAR SPARES

AOT “DCS” TYPE DRILL COLLAR SLIPS



The AOT “DCS” Type Drill Collar Slip has a multi-segment design to give a full wrap-around to insure a proper slip setting. The slips are made of alloy steel and heat-treated for strength and long life.

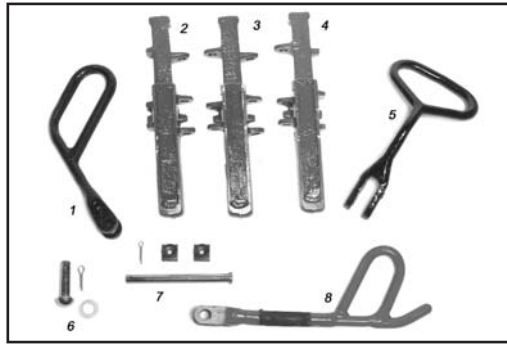
AOT “DCS” DRILL COLLAR SLIPS COMPLETE

AOT#	DRILL COLLAR SIZE/ SLIP RECESS	TYPE SLIP	REF#	TOTAL SEGMENTS	WT.
16-120	3" - 4"	DCS-S	2572	7	112
16-121	4" - 4 1/2"	DCS-S	2573	7	103
16-122	4 1/2" - 6"	DCS-R	2552	9	120
16-123	5 1/2" - 7"	DCS-R	2550	9	112
16-125	5 1/2" - 7"	DCS-L	2501	11	172
16-126	6 3/4" - 8 1/4"	DCS-L	2503	11	154
16-127	8" - 9 1/2"	DCS-L	2507	12	173
16-128	8 1/2" - 10"	DCS-L	2530	13	185
16-129	9 1/4" - 11 1/4"	DCS-L	2508	14	198
16-130	11" - 12 3/4"	DCS-L	2534	17	213
16-131	12" - 14"	DCS-L	2536	17	207

NOTE: SLIP SIZES 3" - 9 1/2" FOR USE IN API OR #3 BOWL
 SLIP SIZES 8 1/2" - 11 1/4" FOR USE IN #2 BOWL
 SLIP SIZES 11" - 14" FOR USE IN #1 BOWL

ALL PARTS ARE INTERCHANGEABLE WITH VARCO® “DCS” TYPE DRILL COLLAR SLIPS

REPLACEMENT PARTS FOR AOT "DCS" DRILL COLLAR SLIPS



AOT#	ITEM#	DESCRIPTION	* SPARES	SIZE	#REQ.	REF#.	WT.
14-104	1	FRONT HANDLE	2	3" - 14"	2	3765	3.50
16-102	2	LEFT HAND SEGMENT f/DCSS		3" - 4 7/8"	1	2569	11.00
16-105	2	LEFT HAND SEGMENT f/DCSR		4 1/2" - 7"	1	2555	10.00
16-108	2	LEFT HAND SEGMENT f/DCSL		5 1/2" - 14"	1	2511	12.00
16-103	3	INTERMEDIATE SEGMENT f/DCSL		3" - 4 7/8"	5	2570	11.00
16-106	3	INTERMEDIATE SEGMENT f/DCSR		4 1/2" - 7"	7	2556	10.00
16-109	3	INTERMEDIATE SEGMENT f/DCSL		5 1/2" - 8 1/4"	9	2512	12.00
16-109	3	INTERMEDIATE SEGMENT f/DCSL		8" - 9 1/2"	10	2512	12.00
16-109	3	INTERMEDIATE SEGMENT f/DCSL		8 1/2" - 10"	11	2512	12.00
16-109	3	INTERMEDIATE SEGMENT f/DCSL		9 1/4" - 11 1/4"	12	2512	12.00
16-109	3	INTERMEDIATE SEGMENT f/DCSL		11 - 14"	15	2512	12.00
16-104	4	RIGHT HAND SEGMENT f/DCSS		3" - 4 7/8"	1	2568	11.00
16-107	4	RIGHT HAND SEGMENT f/DCSR		4 1/2" - 7"	1	2554	10.00
16-110	4	RIGHT HAND SEGMENT f/DCSL		5 1/2" - 14"	1	2510	12.00
14-103	5	REAR HANDLE	1	3" - 10"	1	3766	4.00
14-103	5	REAR HANDLE	1	9 1/4" - 14"	2	3766	4.00
14-105	6	HANDLE PIN	3	3" - 10"	3	3769	.50
14-105	6	HANDLE PIN	3	9 1/4" - 14"	4	3769	.50
14-106	7	HINGE PIN f/DCSS	4	3" - 4 7/8"	6	2525	.70
14-106	7	HINGE PIN f/DCSR	4	4 1/2" - 7"	8	2525	.70
16-112	7	HINGE PIN f/DCSL	4	5 1/2" - 8 1/4"	10	2520	.70
16-112	7	HINGE PIN f/DCSR	4	8" - 9 1/2"	11	2520	.70
16-112	7	HINGE PIN f/DCSR	4	8 1/2" - 10"	12	2520	.70
16-112	7	HINGE PIN f/DCSR	4	9 1/4" - 11 1/4"	13	2520	.70
16-112	7	HINGE PIN f/DCSR	4	11" - 14"	16	2520	.70
23-112	8	SAFETY FLEX HANDLE	3	ALL	A/R	N/A	4.00

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

BUTTON INSERTS FOR AOT "DCS" DRILL COLLAR SLIPS

AOT#	SLIP TYPE	SIZE	REF#.	WT./SET	QTY.
14-628	DCS S	3" - 4"	2628	13.00	49
14-620	DCS S	4" - 4 1/2"	2620	8.00	49
14-628	DCS R	4 1/2" - 6"	2628	16.00	63
14-620	DCS R	5 1/2" - 7"	2620	11.00	63
14-513	DCS L	5 1/2" - 7"	2513	19.00	88
14-630	DCS L	6 3/4" - 9 1/2"	2630	15.00	88
14-630	DCS L	8" - 9 1/2"	2630	16.00	96
14-627	DCS L	8 1/2" - 10"	2627	26.00	104
14-630	DCS L	9 1/4" - 11 1/4"	2630	19.00	112
14-625	DCS L	11" - 12 3/4"	2625	20.00	136
14-630	DCS L	12" - 14"	2630	22.00	136

ALL PARTS ARE INTERCHANGEABLE WITH VARCO® "DCS" DRILL COLLAR SLIPS
RECOMMENDED SPARE PARTS INCLUDE 2 SETS OF INSERTS FOR EACH SLIP SIZE

AOT “UC-3” CASING SLIPS



The AOT “UC-3” Type Casing Slip has a 3” taper designed with a single liner per segment and a liner keeper assembly with bolt and washer. It has a size range of 9-5/8” through 42” and is accomplished with 2 sizes of slips - 9-5/8” through 10-3/4” and 13-3/8” through 42”. The size range is covered with a quick change in the number of segments and liners

AOT #	SLIP SIZE	W / INSERTS FOR O.D.	INTER. SEG. / PN	R.H. SEG. / PN	L.H. SEG. / PN	WT. LBS.
7704-5028	10 3/4”	10 3/4” O.D.	8 / 7704-A-31	1 / 7704-A-32	1 / 7704-A-33	160
7704-5029	10 3/4	9 5/8” O.D	8 / 7704-A-31	1 / 7704-A-32	1 / 7704-A-33	180
7704-103	10 3/4”	LESS LINERS	8 / 7704-A-31	1 / 7704-A-32	1 / 7704-A-33	130
7704-5025	13 3/8”	13 3/8” O.D.	10 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	195
7704-5026	13 3/8”	12 3/4” O.D.	10 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	222
7704-5027	13 3/8”	11 3/4” O.D.	10 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	228
7704-104	13 3/8”	LESS LINERS	10 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	153
7704-5036	16”	16” O.D.	12 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	226
7704-106	16”	LESS LINERS	12 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	176
7704-5034	20”	20” O.D.	15 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	283
7704-5035	20”	18 5/8” O.D.	15 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	325
7704-110	20”	LESS LINERS	15 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	223
7704-5001	24”	24” O.D.	17 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	312
7704-5002	24”	22 1/2” O.D.	17 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	359
7704-5009	24”	LESS LINERS	17 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	246
7704-5006	26”	26” O.D.	19 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	325
7704-5010	26”	LESS LINERS	19 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	252
7704-5005	30”	30” O.D.	22 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	367
7704-5011	30”	LESS LINERS	22 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	283
7704-5007	36”	36” O.D.	26 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	437
7704-5013	36”	LESS LINERS	26 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	340
7704-5019	42”	42” O.D.	30 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	495
7704-5018	42”	LESS LINERS	30 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	375

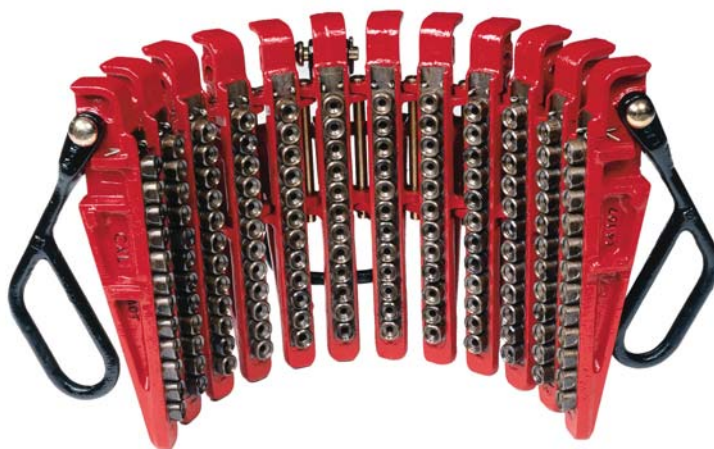
REPLACEMENT PARTS FOR "UC-3" CASING SLIPS

SLIP SIZE	10 3/4" NO.	13 3/8" NO.	16" NO.	20" NO.	24" NO.	26" NO.	30" NO.	36" NO.	42" NO.	PART NO.	WT. LBS.
HANDLE	3	4	4	4	4	4	4	6	6	7704-A-17	5.5
HANDLE PIN											
W/COTTER	3	4	4	4	4	4	4	6	6	7704-A-16	.5
HINGE PIN											
W/COTTER	9	11	13	16	18	20	23	27	31	7704-B-16	.375
KEEPER ASSY.											
W/BOLT & WAS.	10	12	14	17	19	21	24	28	32	7704-5024	.25
BOLT & WASHER											
F/KEEPER			AS REQUIRED							7704-5024-B	.08
LINER RETAINER											
W/COTTER			NOT REQUIRED FOR AOT UC-3 SEGMENT							7704-A-29	.25

LINERS FOR UC-3 & UC-4 CASING SLIPS

SLIP SIZE	PIPE SIZE WT. LBS.	P/N	PIPE SIZE WT. LBS.	P/N	PIPE SIZE WT. LBS.	P/N	# REQ.
10 3/4"	10 3/4" 3 LBS.	7704-A-8	9 5/8" 5 LBS.	7704-A-9			10
13 3/8"	13 3/8" 3.5 LBS.	7704-A-38	12 3/4" 5.75 LBS.	7704-A-92	11 3/4" 6.25 LBS.	7704-A-39	12
16"	16" 3.5 LBS.	7704-A-99					14
20"	20" 3.5 LBS.	7704-A-99	18 5/8" 6 LBS.	7704-A-5000			17
24"	24" 3.5 LBS.	7704-A-99	22 1/2" 6 LBS.	7704-A-5000			19
26"-42"	26" -42" 3.5 LBS	7704-A-100					AS REQUIRED

AOT TYPE "CMSXL" & "CMS-3" CASING SLIPS



The AOT "CMSXL" & "CMS-3" Casing Slips have a multi-segment design which gives a full wrap-around to help prevent damage to casing. By adding or subtracting segments & inserts the slip can accommodate 6 5/8" - 30" O.D. casing. The segments are made of alloy steel and are heat-treated for strength and wear resistance, then machined to strict quality controlled standards.

AOT "CMSXL" CASING SLIPS COMPLETE

AOT #	CASING O.D.	REF.#	WT. COMP.	TOTAL SEG.	HINGE PINS	INSERTS
14-111	6 5/8"	5315	196	12	11	14-628-144
14-112	7"	5301	184	12	11	14-619-144
14-113	7 5/8"	5303	166	12	11	14-630-144
14-114	8 5/8"	5305	181	13	12	14-630-156
14-115	9 5/8"	5307	192	14	13	14-630-168
14-116	10 3/4"	5309	209	15	14	14-630-180
14-117	11 3/4"	5311	260	17	16	14-627-204
14-118	13 3/8"	5313	247	18	17	14-630-216
14-119	16"	5325	308	21	20	14-631-252
14-120	18 5/8"	5333	367	25	24	14-626-300
14-121	20"	5329	383	26	25	14-631-312
14-122	24"	5331	443	30	29	14-631-360
14-123	26"	5346	486	33	32	14-631-396
14-124	30"	5342	546	37	36	14-631-444

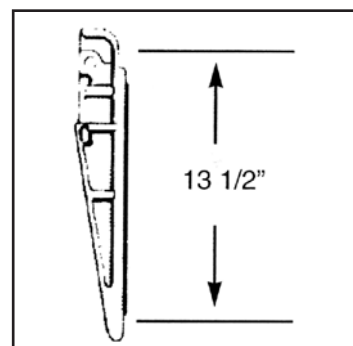
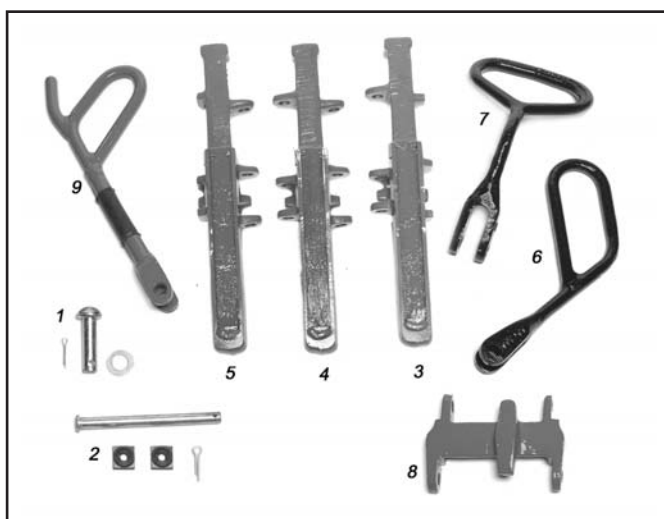
NOTE: ALL SLIPS 9 5/8" AND LARGER ARE FURNISHED WITH 4 HANDLES.
ALL PARTS ARE INTERCHANGEABLE WITH VARCO® TYPE "CMSXL" CASING SLIPS.

AOT "CMS-3" TAPER CASING SLIPS

AOT #	CASING O.D.	WT. COMP.	TOTAL SEG.	HINGE PINS	INSERTS
14-134	9 5/8"	178	14	13	14-513-168
14-135	10 3/4"	194	15	14	14-630-180
14-136	11 3/4"	243	17	16	14-627-204
14-137	13 3/8"	229	18	17	14-630-216
14-138	16"	287	21	20	14-631-252
14-139	18 5/8"	342	25	24	14-626-300
14-140	20"	357	26	25	14-631-312
14-141	24"	413	30	29	14-631-360
14-142	26"	453	33	32	14-631-396
14-143	30"	509	37	36	14-631-444

ALL PARTS ARE INTERCHANGEABLE W/"CMSXL" EXCEPT SEGMENTS

REPLACEMENT PARTS FOR “CMSXL”, “CMS-3” & “CPS” SLIPS



AOT#	ITEM #	DESCRIPTION	REF.#	** SPARES	WT.
14-105	1	HANDLE PIN w/WASHER & COTTER	3769	3	.50
14-106	2	HINGE PIN w/COTTER	2525	2	.60
14-100	3	RIGHT HAND SEGMENT f/CMSXL SLIP	5320		12.00
14-148	3	RIGHT HAND SEGMENT f/CMS-3" SLIP	N/A		11.00
14-107	4	INTERMEDIATE SEGMENT f/CMSXL SLIP	5322		12.00
14-149	4	INTERMEDIATE SEGMENT f/CMS-3" SLIP N/A	N/A		11.00
14-101	5	LEFT HAND SEGMENT f/CMSXL SLIP	5321		12.00
14-150	5	LEFT HAND SEGMENT f/CMS-3" SLIP	N/A		11.00
14-104	6	FRONT HANDLE	3765	2	3.50
14-103	7	REAR HANDLE	3766	1	4.00
14-109	8	HINGE SPACER	11944		4.00

ALL PARTS ARE INTERCHANGEABLE WITH VARCO® TYPE “CMSXL” SLIPS

** RECOMMENDED SPARE PARTS FOR 1 YEAR OPERATION

*FOR RECOMMENDED SPARES INCLUDE 1 SET OF INSERTS FOR EACH PIPE SIZE

AOT “CPS” CONDUCTOR PIPE SLIPS

AOT #	PIPE O.D.	WT. COMPLETE	TOTAL SEGMENTS	HINGE SPACERS	INSERTS
14-244	24"	276	13	12	14-631-156
14-266	26"	296	14	13	14-631-168
14-330	30"	319	16	15	14-631-192

NOTE: ALL PARTS ARE INTERCHANGEABLE WITH “CMSXL” SLIP



REPLACEMENT PARTS FOR "LYT" SLIP TYPE ELEVATOR

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E28786	1	INSERT RETAINER PLATE	4	.13
E28787	2	INSERT RETAINER SCREW	2	.13
E28785	3	SETTING PLATE BOLT	2	.25
E339369-13	4	SETTING PLATE WASHER	2	.06
E28760	5	SLIP BOLT	4	.25
E28761	6	SLIP SPRING	4	.15

SETTING PLATES

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E28782	7	2 1/16" SETTING PLATE	1	2.25
E28737	7	2" SETTING PLATE	1	2.35
E28783	7	1 1/2" (1.900") SETTING PLATE	1	3.00
E28784	7	1 1/4" (1.660") SETTING PLATE	1	3.10
E28736	7	1" (1.315") SETTING PLATE	1	3.15
E28735	7	3/4" (1.050") SETTING PLATE	1	3.20

INSERTS

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E28772	8	2 1/16" & 2" LYT INSERT	8	.25
E28775	8	1 1/2" (1.900") LYT INSERT	8	.25
E28778	8	1 1/4" (1.660") LYT INSERT	8	.25
E28749	8	1" (1.315") LYT INSERT	8	.25
E29370	8	3/4" (1.050") LYT INSERT	8	.25

MYT REPLACEMENT PARTS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E29333	3	HINGE PIN		1	4.00
E30652	4	LATCH		1	10.00
E29334	5	LATCH PIN		1	4.00
E29338	6	LATCH SPRING	2	1	.50
E30653	7	LATCH LOCK		1	2.00
E29335	8	LATCH LOCK PIN	2	1	.50
E29349	9	LATCH LOCK SPRING	2	1	.25
E30841	10	LATCH LOCK DOOR PIN		1	.50
E947128-120	11	LATCH PIN RETAINER	2	1	1.50
E947128-172	12	LATCH LOCK PIN RETAINER	2	1	.50
E940308-1	13	GREASE FITTING		1	.10
E30708	N/P	LATCH & LATCH LOCK ASSY.		1	12.88
E29337	14	LINK BLOCK		2	1.00
E29359	15	USE P/N E939009-65		2	.13
E939009-65	16	UPPER & LOWER LINK BLOCK PIN	2	2	.45
E939484-7	17	LINK BLOCK NUT	2	2	.20
E939672-18	18	COTTER PIN	2	2	.10
E29336	19	SLIP BOLT	4	4	.75
E29340	20	SLIP SPRING	8	4	.25
E29347	21	SETTING RING SCREW	4	2	.25
E939370-13	22	SETTING PLATE WASHER	4	2	.06
E939098-15	23	INSERT RETAINER SCREW	4	2	.13
E29344	25	INSERT RETAINER PLATE	4		.50

MYT INSERTS

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E24773	24	2 7/8" X 2 7/8" INSERT	8	.75
E29255	24	2 7/8" X 2 3/8" INSERT	8	1.00
E29256	24	2 7/8" X 2 1/16" & 2" INSERT	8	1.13
E29257	24	2 7/8" X 1 1/2" (1.900") INSERT	8	1.25
E29258	24	2 7/8" X 1 1/4" (1.660") INSERT	8	1.38
E29259	24	2 7/8" X 1" (1.315") INSERT	8	1.44
E29259-1	24	2 7/8" X 3/4" (1.050") INSERT	8	1.50

RECOMMENDED SPARES INCLUDE 1 SET OF INSERTS FOR EACH PIPE SIZE TO BE RUN

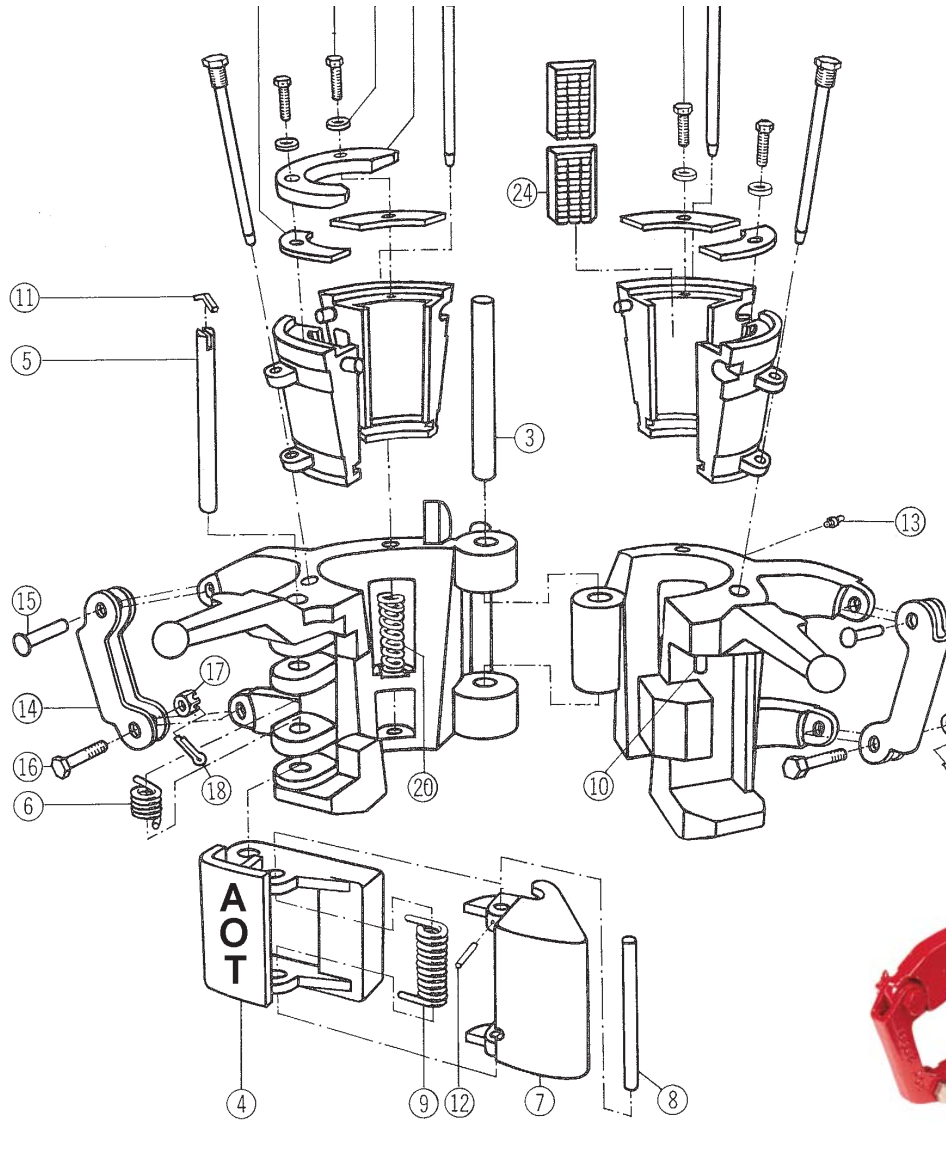
MYT SETTING RINGS

AOT #	ITEM #	DESCRIPTION	WT.
E29348	28	2 7/8" MYT SETTING RING	6.50
E29345	28	2 3/8" MYT SETTING RING	6.63
E29350	28	2 1/16" MYT SETTING RING	7.00
E29351	28	2" MYT SETTING RING	7.10
E29352	28	1 1/2" (1.900") SETTING RING	7.35
E29353	28	1 1/4" (1.660") MYT SETTING RING	7.50
E29354	28	1" (1.315") MYT SETTING RING	7.90
E29354-1	28	3/4" (1.050") MYT SETTING RING	8.05

RECOMMENDED SPARES INCLUDE 2 SETTING RINGS FOR EACH PIPE SIZE TO BE RUN

AOT 40 TON MYT SLIP TYPE ELEVATOR

AOT #	DESCRIPTION	SIZE OF LINKS	WT.
E29328	MYT ELEVATOR COMPLETE LESS SLIP ASSEMBLY.	1 1/4" - 2 3/4"	148.00

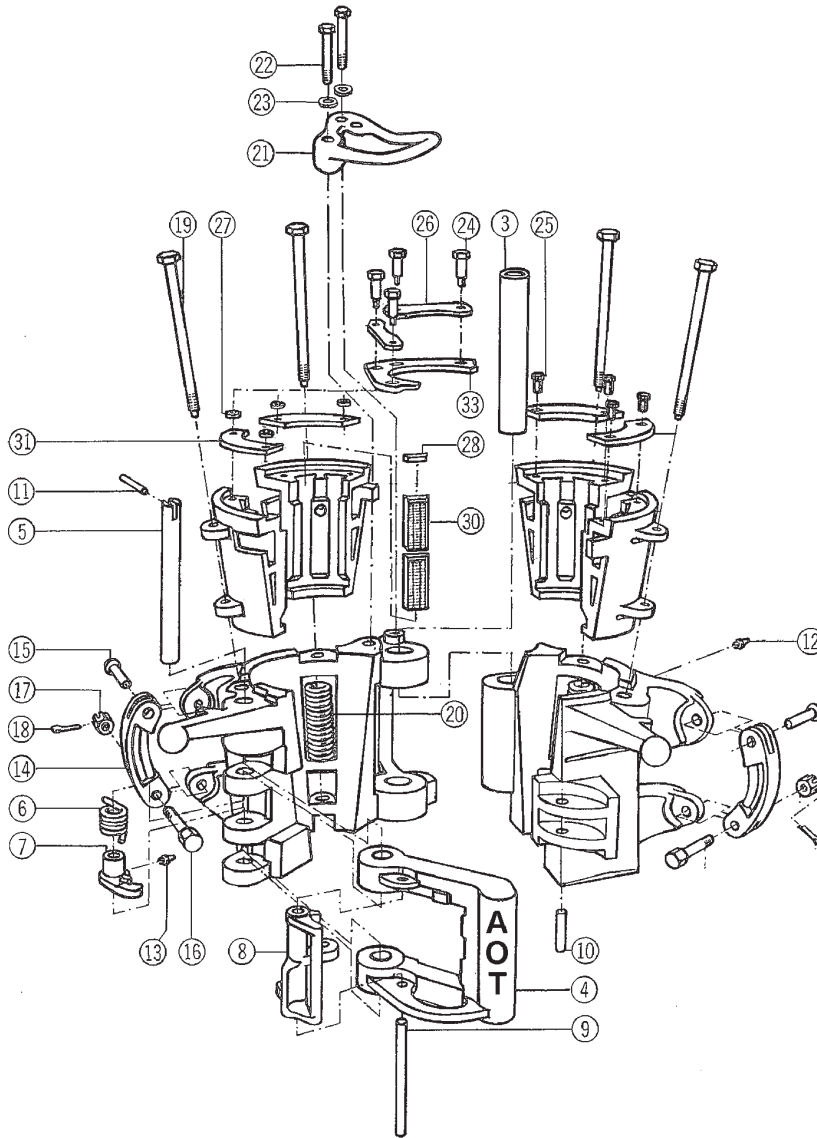


MYT SLIP ASSEMBLIES

AOT #	DESCRIPTION	WT.
E29343-1	2 7/8" X 2 7/8" MYT SLIP ASSEMBLY	44.00
E29343-2	2 7/8" X 2 3/8" MYT SLIP ASSEMBLY	46.00
E29343-3	2 7/8" X 2 1/16" MYT SLIP ASSEMBLY	47.25
E29343-4	2 7/8" X 2" MYT SLIP ASSEMBLY	47.50
E29343-5	2 7/8" X 1 1/2" (1.900") MYT SLIP ASSEMBLY	48.75
E29343-6	2 7/8" X 1 1/4" (1.660") MYT SLIP ASSEMBLY	49.75
E29343-7	2 7/8" X 1" (1.315") MYT SLIP ASSEMBLY	49.75
E29343-8	2 7/8" X 3/4" (1.050") MYT SLIP ASSEMBLY.	51.00
E29343-10-S	2 7/8" MYT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	31.00

AOT YT 75 TON SLIP TYPE ELEVATOR

AOT #	DESCRIPTION	SIZE OF LINKS	WT.
E23105	YT ELEVATOR COMPLETE LESS SLIP ASSY.	2 1/4" - 2 3/4"	355.00



YT SLIP ASSEMBLIES

AOT#	DESCRIPTION	WT.
E23108-5	3 1/2" x 3 1/2" YT SLIP ASSEMBLY	64.00
E23108-3	3 1/2" x 2 7/8" YT SLIP ASSEMBLY	76.00
E23108-4	3 1/2" x 2 7/8" YT SLIP ASSEMBLY	76.00
E23108-6	2 7/8" x 2 3/8" YT SLIP ASSEMBLY	79.00
E23108-7	2 7/8" x 2 1/16" YT SLIP ASSEMBLY	81.00
E23108-8	2 7/8" x 2" (2.000") YT SLIP ASSEMBLY	82.00
E23108-9	2 7/8" x 1 1/2" (1.900") YT SLIP ASSEMBLY	83.50
E23108-10	2 7/8" x 1 1/4" (1.660") YT SLIP ASSEMBLY	85.50
E23108-11	2 7/8" x 1" (1.315") YT SLIP ASSEMBLY	86.50
E23108	3 1/2" YT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	51.00
E23108-2	2 7/8" YT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	51.00

YT REPLACEMENT PARTS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E23116-1	3	HINGE PIN		1	4.13
E15348	4	LATCH		1	27.00
E24182	5	LATCH PIN		1	5.00
E12978	6	LATCH SPRING	2	1	.63
E12946	7	LATCH CAM		1	1.50
E12972	8	LATCH LOCK		1	3.50
E13530	9	LATCH LOCK PIN	2	1	.63
E12529	10	DOOR LUG PIN		1	.65
E29464	11	LATCH PIN RETAINER	2	1	.20
E940308-1	12	GREASE FITTING		1	.10
E940308-8	13	GREASE FITTING		1	.10
E9519	14	LINK BLOCK		2	5.50
E8151	15	UPPER LINK BLOCK PIN, NUT & COTTER		2	.50
E8145	16	LINK BLOCK BOLT	2	2	1.19
E8150	17	LINK BLOCK NUT	2	2	.25
E939672-19	18	COTTER PIN	2	2	.10
E23115	19	SLIP BOLT	4	4	1.25
E23113	20	SLIP SPRING	8	4	.25
E23630	21	GUIDE PLATE		1	4.00
E939098-75	22	GUIDE PLATE SCREW	2	2	.25
E939352-64	23	GUIDE PLATE LOCKWASHER	2	2	.15
E27697	24	SETTING PLATE BOLT	8	4	.25
E27532	25	INSERT RETAINER SCREW	8	4	.06
E27546	26	SETTING RING RETAINER (3 1/2")	2	2	.13
E27507	26	SETTING RING RETAINER (2 7/8")	2	2	.13
E27696	27	RUBBER BUSHING	8	4	.06
E24507	28	INSERT SPACER (3 1/2")	8	8	.13
E24508	28	INSERT SPACER (2 7/8")	4	4	.25
E27530	31	INSERT RETAINER (3 1/2")		4	.13
E27451	31	INSERT RETAINER (2 7/8")		4	.25

YT INSERTS

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E24774	30	3 1/2" X 3 1/2" INSERT	24	.50
E30358	30	3 1/2" X 2 7/8" INSERT	24	.75
E24773	30	2 7/8" X 2 7/8" INSERT	12	.75
E29255	30	2 7/8" X 2 3/8" INSERT	12	1.00
E29256	30	2 7/8" X 2 1/16" & 2" INSERT	12	1.20
E29257	30	2 7/8" X 1 1/2" (1.900") INSERT	12	1.25
E29258	30	2 7/8" X 1 1/4" (1.660") INSERT	12	1.38
E29259	30	2 7/8" X 1" (1.315") INSERT	12	1.45

RECOMMENDED SPARES INCLUDE 1 SET OF INSERTS FOR EACH PIPE SIZE TO RUN

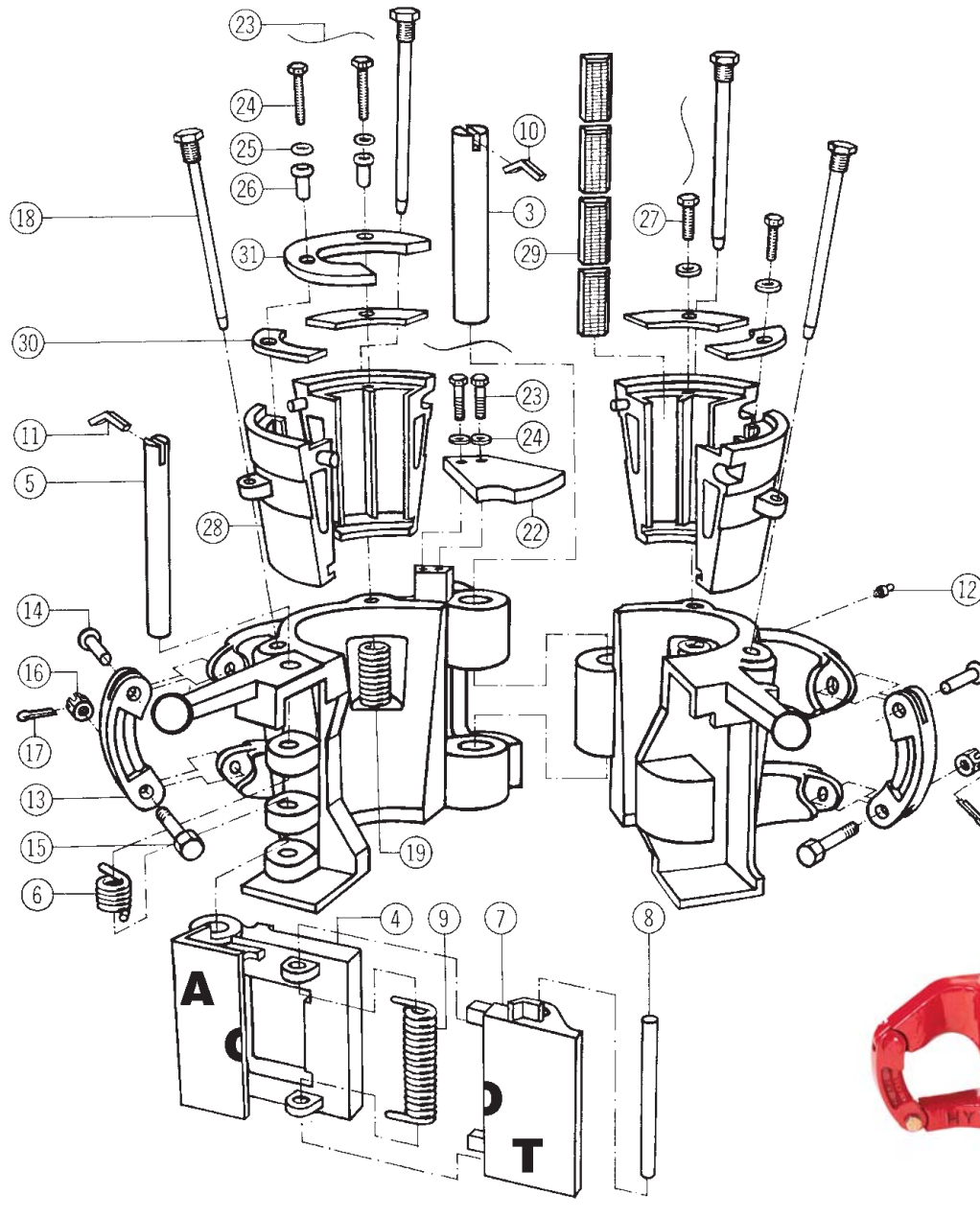
YT SETTING RINGS

AOT #	ITEM #	DESCRIPTION	WT.
E27813	33	3 1/2" YT SETTING RING	3.13
E27695	33	2 7/8" YT SETTING RING	3.56
E27694	33	2 3/8" YT SETTING RING	4.00
E27812	33	2 1/16" YT SETTING RING	4.25
E28821	33	2" YT SETTING RING	4.25
E27811	33	1 1/2" (1.900") YT SETTING RING	4.31
E27810	33	1 1/4" (1.660") YT SETTING RING	4.38
E29001	33	1" (1.315") YT SETTING RING	4.75

RECOMMENDED SPARES INCLUDE 2 SETTING RINGS FOR EACH PIPE SIZE TO BE RUN

AOT HYT 150 TON SLIP TYPE ELEVATOR

AOT #	DESCRIPTION	RANGE	SIZE OF LINKS	WT.
E39284	HYT ELEVATOR COMPLETE L/SLIPS	2 3/8" - 3 1/2"	2 1/4" - 3 1/2"	740



HYT SLIP ASSEMBLIES

AOT #	DESCRIPTION	WT.
E39258-2	3 1/2" X 3 1/2" HYT SLIP ASSY.	170
E39258-4	3 1/2" X 2 7/8" HYT SLIP ASSY.	170
E39259-2	2 7/8" X 2 7/8" HYT SLIP ASSY.	170
E39259-4	2 7/8" X 2 3/8" HYT SLIP ASSY.	170
E39174	3 1/2" HYT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	150
E39175	2 7/8" HYT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	150

HYT REPLACEMENT PARTS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E39239	3	HINGE PIN		1	12.40
E39162	4	LATCH		1	22.00
E39238	5	LATCH PIN		1	6.00
E39240	6	LATCH SPRING	2	1	.70
E39161	7	LATCH LOCK	1	1	8.00
E39251	8	LATCH LOCK PIN	1	1	.80
E39241	9	LATCH LOCK SPRING	2	1	.70
E39253	10	HINGE PIN RETAINER		1	.10
E39254	11	LATCH PIN RETAINER		1	.40
E940308-1	12	GREASE FITTING	1		.10
E9519	13	LINK BLOCK		2	5.50
E8151	14	UPPER LINK BLOCK BOLT, NUT, & COT.		2	.50
E8145	15	LINK BLOCK BOLT	2	2	.50
E8150	16	LINK BLOCK NUT	2	2	.15
E939672-19	17	COTTER PIN	2	2	.10
E52321	18	SLIP BOLT	4	4	1.00
E52539-1	19	SLIP SPRING	8	4	.80
E51090	20	GUIDE PLATE		1	8.60
E939098-65	21	GUIDE PLATE SCREW	4	2	.10
E939352-64	22	GUIDE PLATE LOCKWASHER	4	2	.10
E94787923		LOCKWIRE		A/R	.10
E939098-96	24	HEX HEAD CAPSCREW		2	.65
E939352-6	25	LOCKWASHER		4	.10
E51089	26	SETTING RING BUSHING	4	2	.15
E939098-36	27	HEX HEAD CAPSCREW	4	2	.20
E39247	30	3 1/2" & 3 1/2" X 2 7/8" INSERT RET.	8	4	.25
E39246	30	2 7/8" & 2 7/8" X 2 3/8" INSERT RET.	8	4	.25

1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

HYT INSERTS

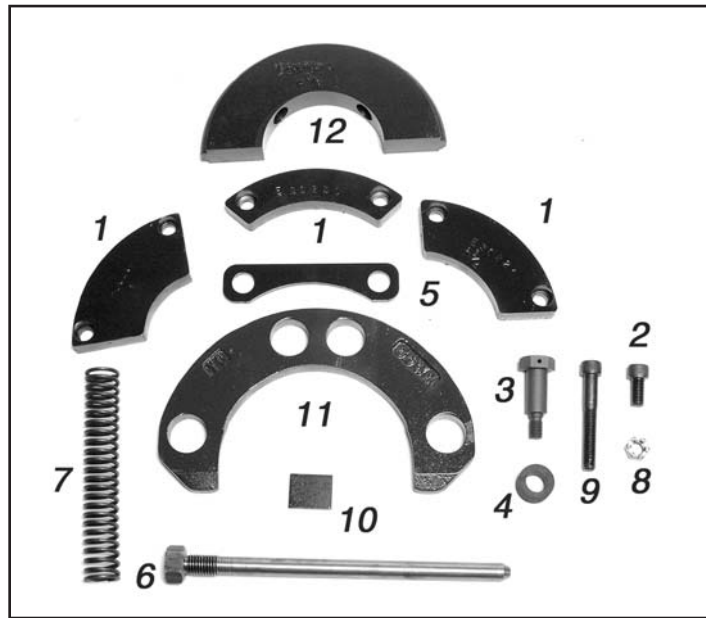
AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E24774	29	3 1/2" X 3 1/2" INSERT	32	.50
E30358	29	3 1/2" X 2 7/8" INSERT	32	.75
E24773	29	2 7/8" X 2 7/8" INSERT	16	.75
E29255	29	2 7/8" X 2 3/8" INSERT	16	1.00

RECOMMENDED SPARES INCLUDE 1 SET OF INSERTS FOR EACH PIPE SIZE TO BE RUN

HYT SETTING RINGS

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E39214-3	31	3 1/2" HYT SETTING RING	1	11.00
E39214-2	31	2 7/8" HYT SETTING RING	1	11.00
E39214-1	31	2 3/8" HYT SETTING RING	1	13.00

RECOMMENDED SPARES INCLUDE 2 SETTING RINGS FOR EACH PIPE SIZE TO BE RUN



REPLACEMENT PARTS FOR YC SLIP TYPE ELEVATOR

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E30214	1	INSERT RET. RING 3 1/2" - 4 1/2"	4	2.75
E30224	1	INSERT RET. RING 5" & 5 1/2"	4	2.13
E30230	1	INSERT RET. RING 6 5/8" & 7"	4	2.75
E941286-73	2	INSERT RET. SCREW	4	.13
E30211	3	SETTING PLATE BOLT	4	.25
E30213	4	RUBBER BUSHING	4	.06
E30216	5	SETTING RING RET.	2	.25
E24076	6	SLIP BOLT	4	1.05
E24049	7	SLIP SPRING	4	.38
E24075	8	GUIDE PLATE SCREW w/NUT	4	.40
E93948-8	9	GUIDE PLATE NUT	4	.10
E24506	10	INSERT SPACER	8	.25

SETTING PLATES

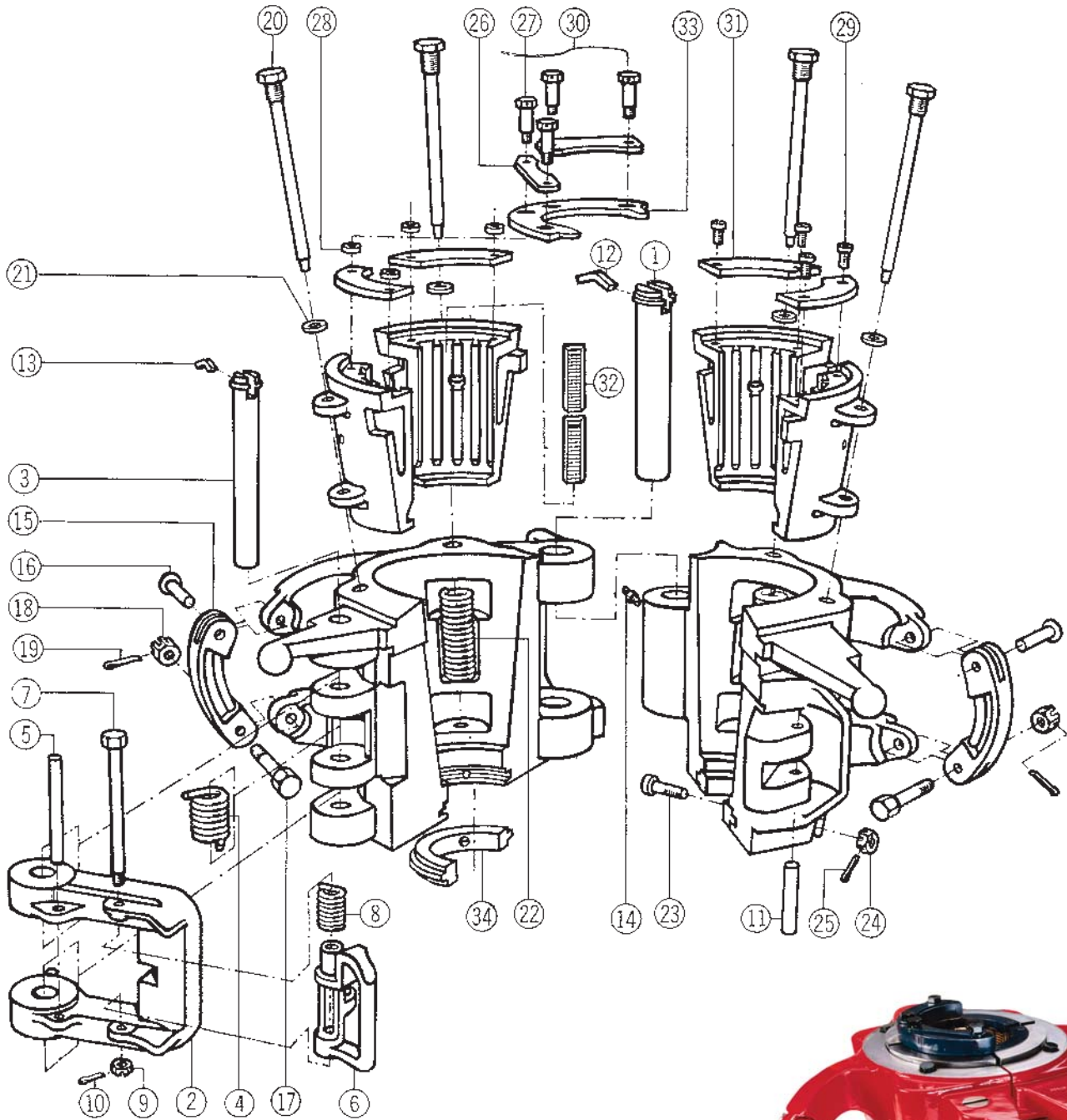
AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E34932	11	3 1/2" SETTING PLATE	1	8.00
E30209	11	4" SETTING PLATE	1	8.00
E30219	11	4 1/2" SETTING PLATE	1	7.00
E30220	11	5" SETTING PLATE	1	6.25
E30223	11	5 1/2" SETTING PLATE	1	6.13
E30226	11	6 5/8" SETTING PLATE	1	6.00
E30229	11	7" SETTING PLATE	1	5.50

BOTTOM GUIDE PLATES

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E24071-2	12	7" BOTTOM GUIDE	2	3.75
E24071-3	12	6 5/8" BOTTOM GUIDE	2	4.50
E24071-1	12	5 1/2" BOTTOM GUIDE	2	5.50
E24071	12	5" BOTTOM GUIDE	2	7.75
E24071-4	12	4 1/2" BOTTOM GUIDE	2	8.50
E26827	12	4" BOTTOM GUIDE	2	8.50
E26827-1	12	3 1/2" BOTTOM GUIDE	2	8.00

AOT HYC 200 TON SLIP TYPE ELEVATOR

AOT #	DESCRIPTION	RANGESIZE OF LINKS		WT.
E55310	HYC ELEVATOR COMPLETE L/SLIPS & BOTTOM GUIDES	3 1/2" - 7 5/8"	2 1/4" - 3 1/2"	978.00



HYC SLIP ASSEMBLIES

AOT #	DESCRIPTION	WT.
E70009	7 5/8" X 7 5/8" HYC SLIP ASSY.	216
E55515	7" X 7" HYC SLIP ASSY.	224
E55514	7" X 6 5/8" HYC SLIP ASSY.	227
E55513	5 1/2" X 5 1/2" HYC SLIP ASSY.	243
E55512	5 1/2" X 5" HYC SLIP ASSY.	253
E55511	4 1/2" X 4 1/2" HYC SLIP ASSY.	265
E55510	4 1/2" X 4" HYC SLIP ASSY.	268
E55509	4 1/2" X 3 1/2" HYC SLIP ASSY.	274
E55305-1	7 5/8" HYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	176
E55305	7" HYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	184
E55304	5 1/2" HYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	200
E55303	4 1/2" HYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	212

HYC REPLACEMENT PARTS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E55311	1	HINGE PIN		1	25.00
E55503	2	LATCH		1	47.00
E55312	3	LATCH PIN		1	9.00
E34909	4	LATCH SPRING	2	1	1.50
E13185	5	LATCH SPRING STOP		1	.25
E13152	6	LATCH LOCK	1	1	4.00
E15101	7	LATCH LOCK BOLT	1	1	.75
E13188	8	LATCH LOCK SPRING	2	1	.25
E8150	9	LATCH LOCK BOLT NUT	1	1	.25
E939672-19	10	COTTER PIN	1	1	.10
E13190	11	DOOR LUG PIN		1	.65
E55504	12	HINGE PIN RETAINER		1	.35
E55505	13	LATCH PIN RETAINER		1	.20
E940308-1	14	GREASE FITTING		1	.10
E9519	15	LINK BLOCK		2	5.50
E8151	16	UPPER LINK BLOCK BOLT, NUT, & COT.	2	2	.50
E8145	17	LINK BLOCK BOLT	2	2	1.19
E8150	18	LINK BLOCK NUT	2	2	.25
E939672-19	19	COTTER PIN	2	2	.10
E24076	20	SLIP BOLT	4	4	1.00
E939354-6	21	LOCKWASHER	4	4	.25
E945044-2	22	SLIP SPRING	8	4	.35
E55508	23	GUIDE PLATE SCREW	8	4	.26
E939484-5	24	GUIDE PLATE NUT	8	4	.03
E939672-17	25	COTTER PIN	8	4	.10
E30216	26	SETTING RING RETAINER (3 1/2" - 7")	2	2	.25
E70147	26	SETTING RING RETAINER (7 5/8")	2	2	.30
E55501	27	SHOULDER SCREW	8	4	.41
E55502	28	RUBBER BUSHING	8	4	.04
E941286-73	29	INSERT RETAINER SCREW	4	4	.08
E947879	30	LOCK WIRE		A/R	.01
E70011	31	7 5/8" INSERT RETAINER		4	1.85
E30230	31	7" INSERT RETAINER		4	2.00
E30227	31	6 5/8" INSERT RETAINER		4	2.00
E30224	31	5 1/2" INSERT RETAINER		4	2.50
E30221	31	5" INSERT RETAINER		4	2.25
E30214	31	4 1/2" - 3 1/2" INSERT RETAINER		4	2.50

1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

HYC INSERTS

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E70010	32	7 5/8" X 7 5/8" INSERT	48	.50
E16407	32	7" X 7" INSERT	48	.50
E24748	32	7" X 6 5/8" INSERT	48	.75
E16407	32	5 1/2" X 5 1/2" INSERT	36	.50
E24783	32	5 1/2" X 5" INSERT	36	.80
E24785	32	5 1/2" X 4 1/2" INSERT	36	1.05
E16408	32	4 1/2" X 4 1/2" INSERT	24	.50
E24781	32	4 1/2" X 4" INSERT	24	.80
E24779	32	4 1/2" X 3 1/2" INSERT	24	1.00

RECOMMENDED SPARES INCLUDE 1 SET OF INSERTS FOR EACH PIPE SIZE TO BE RUN

HYC SETTING RINGS

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E70012	33	7 5/8" HYC SETTING RING	1	11.00
E55522	33	7" HYC SETTING RING	1	11.50
E55521	33	6 5/8" HYC SETTING RING	1	12.00
E55520	33	5 1/2" HYC SETTING RING	1	13.00
E55519	33	5" HYC SETTING RING	1	14.50
E55518	33	4 1/2" HYC SETTING RING	1	15.00
E55517	33	4" HYC SETTING RING	1	16.50
E55516	33	3 1/2" HYC SETTING RING	1	18.00

RECOMMENDED SPARES INCLUDE 2 SETTING RINGS FOR EACH PIPE SIZE TO BE RUN

HYC BOTTOM GUIDE PLATES

AOT #	ITEM #	DESCRIPTION	# REQ.	WT.
E24071-6	34	7 5/8" HYC BOTTOM GUIDE PLATES (SET)	1	5.02
E24071-2	34	7" BOTTOM GUIDE	2	3.75
E24071-3	34	6 5/8" BOTTOM GUIDE	2	4.50
E24071-1	34	5 1/2" BOTTOM GUIDE	2	5.50
E24071	34	5" BOTTOM GUIDE	2	7.75
E24071-4	34	4 1/2" BOTTOM GUIDE	2	8.50
E26827	34	4" BOTTOM GUIDE	2	8.50
E26827-1	34	3 1/2" BOTTOM GUIDE	2	8.00

RECOMMENDED SPARES INCLUDE 1 SET BOTTOM GUIDES FOR EACH PIPE SIZE TO BE RUN

BASIC TYPE INSERTS FOR BJ® ELEVATORS YC THROUGH 1000 TON

AOT #	SLIP SIZE	PIPE SIZE (OD)	YC	NUMBER OF INSERTS REQ.					WT. EA.
				7 5/8" 175 TON	13 3/8" 350 TON	13 3/8" 500 TON	10 3/4" 500 TON	14" 1000 TON	
E16441	3 1/2"	3 1/2"		18					.50
E16442	4"	4"	16						.50
E16408	4 1/2"	4 1/2"	16	27					.50
E16407	5 1/2"	5 1/2"	16	27	36	45	45		.50
E16407	7"	7"	24		48	60	60		.50
E16407	7 5/8"	7 5/8"		45	60	75	75		.50
E15660	8 5/8"	8 5/8"			60		75		.50
E15660	8 7/8"	8 7/8"						108	.50
E15660	9 5/8"	9 5/8"			72	90	90		.50
E15660	10 3/4"	10 3/4"			72		90		.50
E15660	10 7/8"	10 7/8"						126	.50
E15660	11 3/4"	11 3/4"			72	105			.50
E15660	12 1/2"	12 1/2"						144	.50
E15660	13 3/8"	13 3/8"			84	135			.50
E15660	14"	14"						162	.50

REDUCING INSERTS FOR BJ® ELEVATORS YC THROUGH 1000 TON

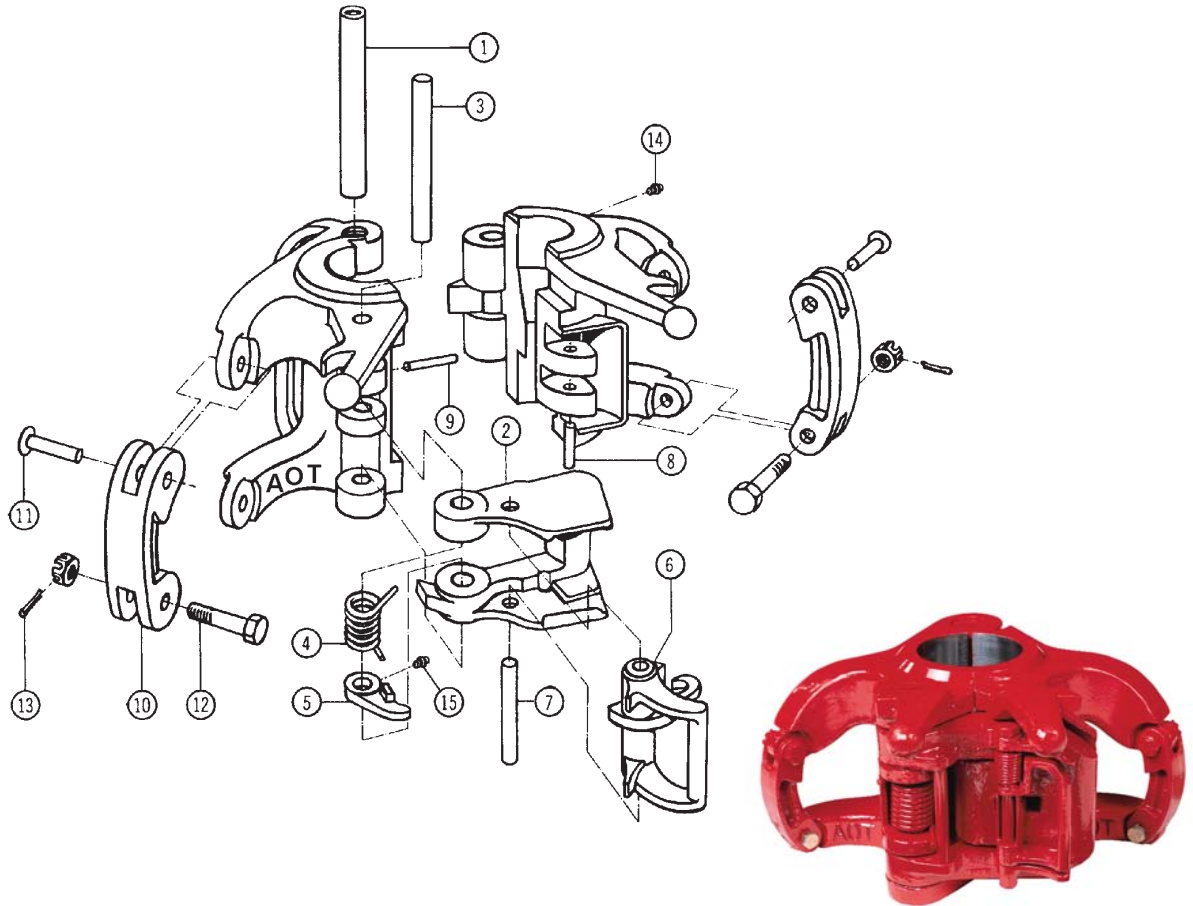
AOT #	SLIP SIZE	PIPE SIZE (OD)	YC	NUMBER OF INSERTS REQ.					WT. EA.
				7 5/8" 175 TON	13 3/8" 350 TON	13 3/8" 500 TON	10 3/4" 500 TON	14" 1000 TON	
E25780	3 1/2"	2 7/8"		18					.85
E24777	3 1/2"	2 3/8"		18					1.20
E24781	4 1/2"	4"	16	27					.80
E24779	4 1/2"	3 1/2"	16	27					1.00
E24783	5 1/2"	5"	16	27	36	45	45		.80
E24785	5 1/2"	4 1/2"	16	27	36	45	45		1.05
E24748	7"	6 5/8"	24		48	60	60		.75
E25474	7 5/8"	6 5/8"		45	60	75	75		1.05
E26750	7 5/8"	7"		45	60	75	75		.90
E25474	8 5/8"	7 5/8"		45	60		75		1.05
E39290	8 7/8"	7 5/8"						108	1.20
E39286	8 7/8"	8 5/8"						108	.65
E25474	9 5/8"	8 5/8"			72	90	90		1.05
E33249	10 3/4"	9 5/8"			72		90		1.15
E39290	10 7/8"	9 5/8"						126	1.30
E39285	10 7/8"	10 3/4"						126	.60
E25474	11 3/4"	10 3/4"			72	105		126	1.05
E39289	12 1/2"	11 3/4"						144	.90
E32700	14"	13 3/8"						162	.90

INSERTS FOR VARCO® ELEVATORS/SPIDERS

AOT#	DESCRIPTION	REF#	SLIP SIZE	PIPE		NUMBER OF INSERTS REQUIRED						WT. EA.	
				SIZE (OD)	200 TON	350 TON	500 TON	750 TON	1000 TON	500 TON	750 TON		
75/8"	14"	14"	14"	24"	24"	24"							
23-157	REDUCER	2160	3 1/2"	2 3/8"	12/12B								.87
23-156	REDUCER	2161	3 1/2"	2 7/8"	12/12B								.64
23-155	BASIC	2162	3 1/2"	3 1/2"	24								.42
23-160	REDUCER	2163	4 1/2"	3 1/2"	16/16B								.81
23-159	REDUCER	2164	4 1/2"	4"	16/16B								.61
23-158	BASIC	2165	4 1/2"	4 1/2"	32								.42
23-163	REDUCER	2168	5 1/2"	4 1/2"	16/16B	24/16B	32/16B						.81
23-165	REDUCER	2169	5 1/2"	5"	16/16B	24/16B	32/16B						.61
23-164	BASIC	2170	5 1/2"	5 1/2"	32	40	48						.42
23-168	REDUCER	2632	7 5/8"	6 5/8"	24/24B	36/24B	48/24B	60/24B					.81
23-169	REDUCER	2623	7 5/8"	7"	24/24B	36/24B	48/24B	60/24B					.64
23-170	BASIC	2633	7 5/8"	7 5/8"	48	60	72	84					.42
23-171	REDUCER	2640	9 5/8"	8 5/8"		48/32B	64/32B	80/32B	96/24B				.81
23-170	BASIC	2633	9 5/8"	9 5/8"		48/32B	64/32B	80/32B	96/24B				.42
23-171	REDUCER	2640	11 3/4"	10 3/4"		60/40B	80/40B	100/40B	144/36B				.81
23-172	BASIC	2637	11 3/4"	11 3/4"		100	120	140	180				.42
23-172	BASIC	2637	13 3/8"	13 3/8"		100	120	140					.42
23-173	REDUCER	2636	14"	13 3/8"		60/40B	80/40B	100/40B	144/36B				.64
23-174	BASIC	2635	14"	14"		100	120	140	180				.42
23-174	BASIC	2635	16"	16"					240	180	210		.42
23-175	REDUCER	13868	20"	18 5/8"					720	420	510		.52
23-174	BASIC	2635	20"	20"					300	180	210		.42
23-174	BASIC	2635	24"	24"						180	210		.42

AOT MG (100 TON) BOTTLENECK ELEVATOR

AOT #	RANGE	SIZE OF LINKS	WT.
E30157	2 3/8" - 3 1/2"	1 3/4" - 2 3/4"	308-296



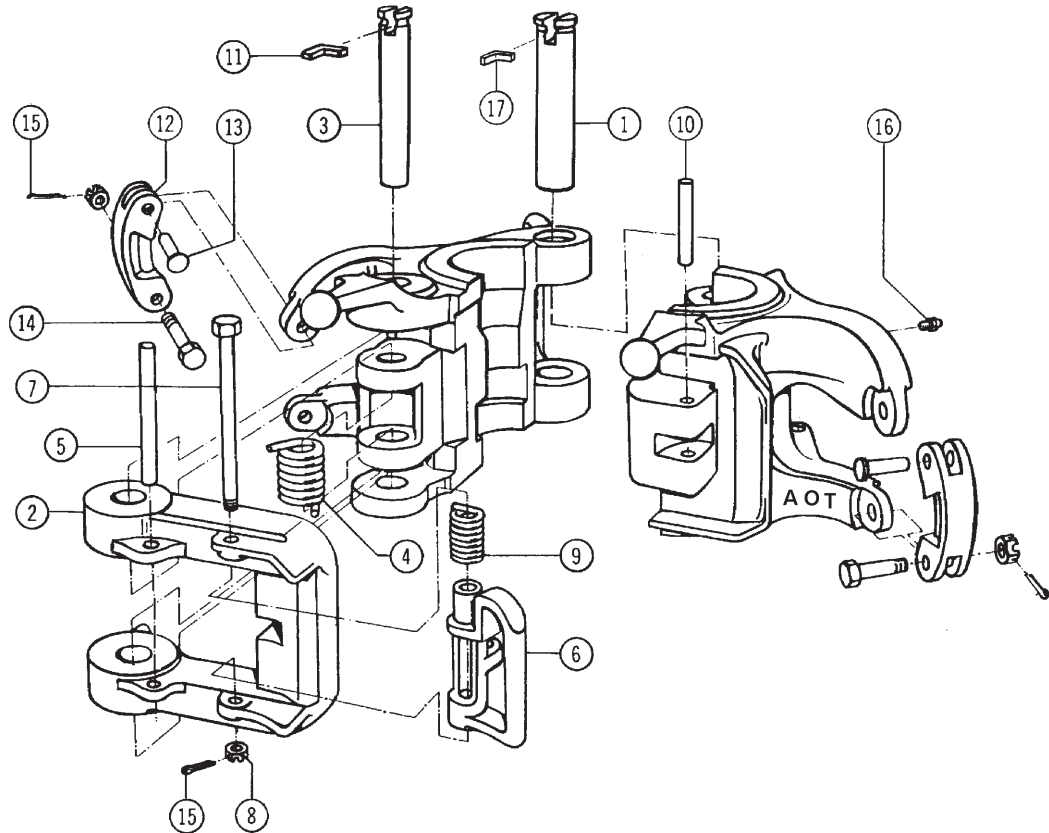
REPLACEMENT PARTS FOR MG ELEVATORS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E26813	1	HINGE PIN	*	1	4.85
E11763	2	LATCH		1	9.25
E26814	3	LATCH PIN	*	1	.50
E11766	4	LATCH SPRING	2	1	.25
E11581	5	LATCH CAM	1	1	.75
E11764	6	LATCH LOCK	*	1	3.00
E11759	7	LATCH LOCK PIN	1	1	.75
E12529	8	DOOR LUG PIN		1	.25
E8156	9	LATCH PIN RETAINER	1	1	.25
E26817	10	LINK BLOCK		2	3.50
E8151	11	UPPER LINK BLOCK BOLT, NUT, & COT,		2	.45
E8145-2	12	LOWER LINK BLOCK BOLT & NUT, & COT.	2	2	.75
E939672-18	13	COTTER PIN	2	3	.10
E940308-1	14	GREASE FITTING		1	.10
E940308-8	15	GREASE FITTING		1	.10

** 1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

AOT RG (150 TON) BOTTLENECK ELEVATOR

AOT #	RANGE	SIZE OF LINKS	WT.
E30156	2 3/8" - 3 1/2"	1 3/4" - 2 3/4"	308-296



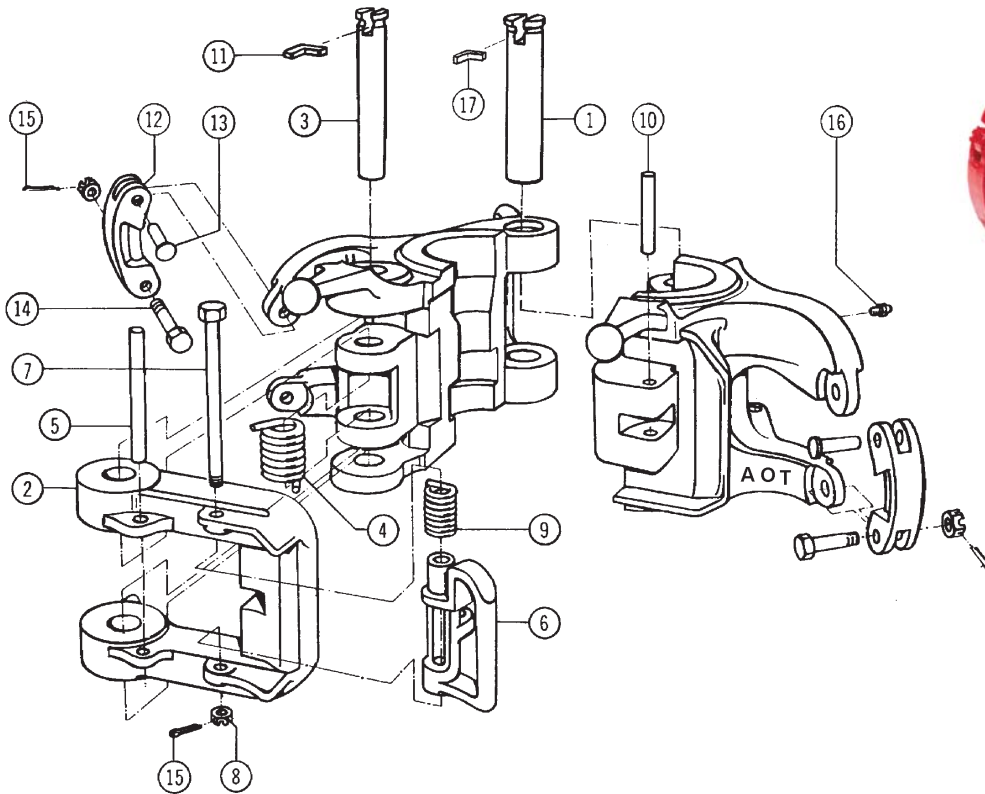
REPLACEMENT PARTS FOR RG ELEVATORS

AOT #	ITEM #	DESCRIPTION	SPARES	# REQ.	WT.
E23569	1	HINGE PIN	*	1	8.13
E23543	2	LATCH	1	1	33.00
E23544	3	LATCH PIN	*	1	3.90
E23546	4	LATCH SPRING	2	1	.75
E23548	5	LATCH SPRING STOP	1	1	.88
E23729	6	LATCH LOCK	*	1	4.00
E23553	7	LATCH LOCK BOLT	1	1	1.13
E939484-8	8	LATCH LOCK BOLT NUT	1	1	.20
E13188	9	LATCH LOCK SPRING	2	1	.30
E23547	10	DOOR LUG PIN		1	.25
E8156	11	LATCH PIN RETAINER	2	1	.25
E9519	12	LINK BLOCK		2	5.50
E8151	13	UPPER LINK BLOCK BOLT, NUT & COT.	2	2	.50
E8145-2	12	LOWER LINK BLOCK BOLT & NUT & COT.	2	2	.75
E939672-18	13	COTTER PIN		3	.10
E940308-1	14	GREASE FITTING		1	.10

1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

AOT MGG (250 TON) BOTTLENECK ELEVATOR

AOT #	RANGE	SIZE OF LINKS	WT.
E35005	3 1/2" - 5 1/2"	2 1/4" - 3 1/2"	600.00



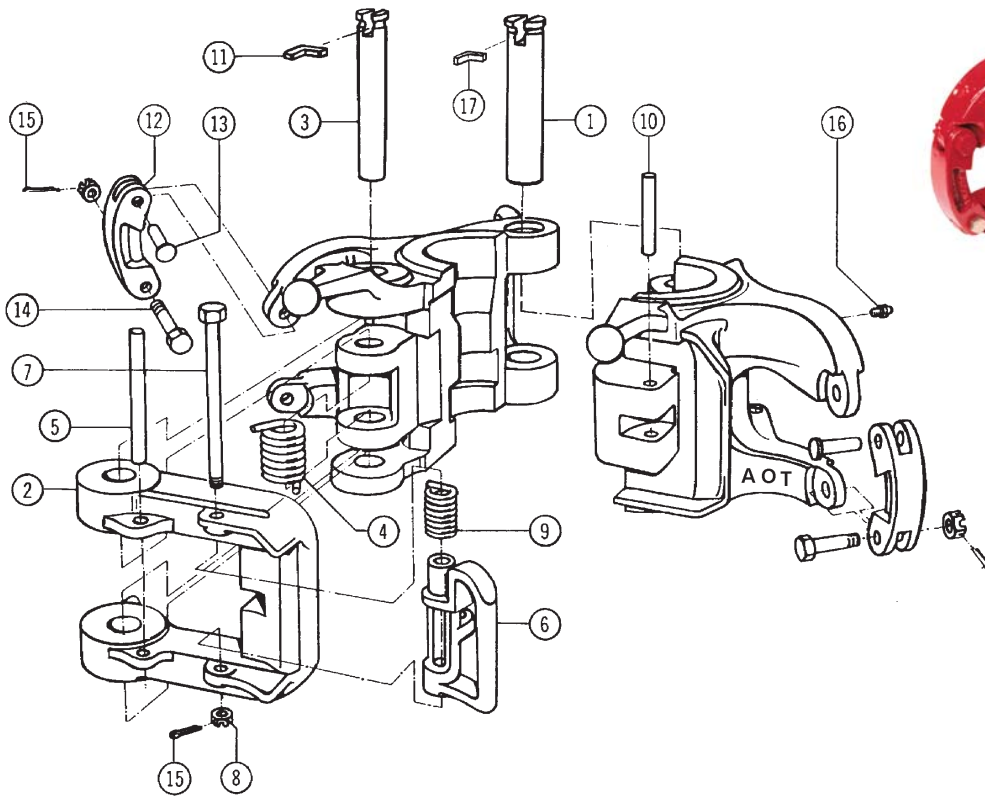
REPLACEMENT PARTS FOR MGG ELEVATORS

AOT #	ITEM #	DESCRIPTION	SPARES	# REQ.	WT.
E34908	1	HINGE PIN	*	1	15.50
E34906	2	LATCH		1	57.00
E34907	3	LATCH PIN	*	1	7.31
E34909	4	LATCH SPRING	2	1	2.50
E13185	5	LATCH SPRING STOP	1	1	.94
E13152	6	LATCH LOCK	*	1	4.00
E15101	7	LATCH LOCK BOLT	2	1	1.30
E939484-8	8	LATCH LOCK BOLT NUT	2	1	.20
E13188	9	LATCH LOCK SPRING	2	1	.30
E13190	10	DOOR LUG PIN		1	.32
E34911	11	LATCH PIN RETAINER	2	1	.13
E12732	n/p	DOOR CATCH ARM		1	1.50
E12916	n/p	DOOR CATCH ARM PIN		1	.13
E9561	n/p	DOOR CATCH SPRING	*	1	.13
E12734	n/p	ROLLER		1	.50
E12735	n/p	ROLLER PIN		1	.25
E9519	12	LINK BLOCK		2	5.50
E8151	13	UPPER LINK BLOCK BOLT, NUT & COT.		2	.50
E8145-2	14	LOWER LINK BLOCK BOLT & NUT 2		2	.75
E939672-19	15	COTTER PIN		3	.06
E940308-1	16	GREASE FITTING		1	.10
E34910	17	HINGE PIN RETAINER		1	.19

1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

AOT GG (350 TON) BOTTLENECK ELEVATOR

AOT #	RANGE	SIZE OF LINKS	WT.
E31068	3 1/2" - 5 1/2"	2 1/4" - 3 1/2"	715.00



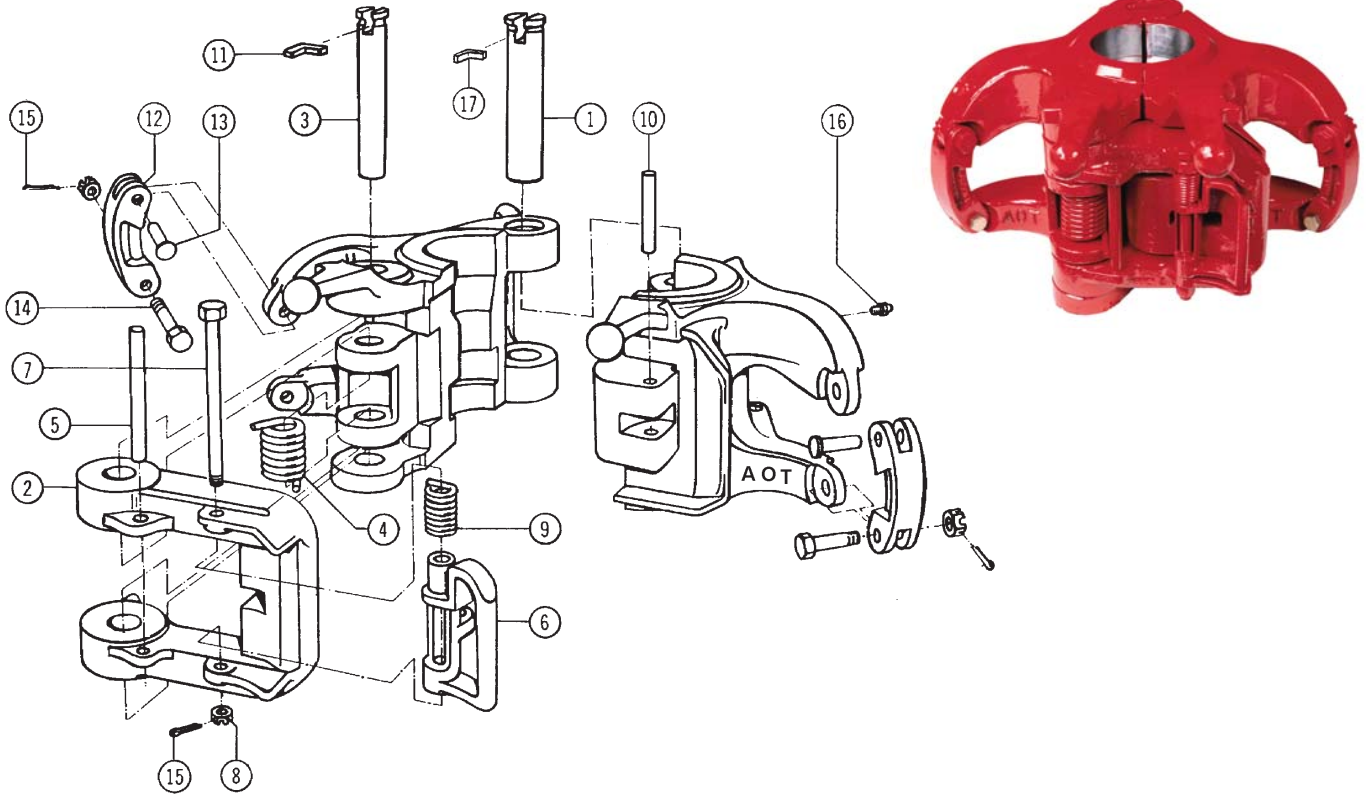
REPLACEMENT PARTS FOR GG ELEVATORS

AOT #	ITEM #	DESCRIPTION	SPARES	# REQ.	WT.
E33998	1	HINGE PIN	*	1	18.38
E31071	2	LATCH		1	50.00
E33999	3	LATCH PIN	*	1	10.38
E18416	4	LATCH SPRING	2	1	2.25
E13185	5	LATCH SPRING STOP	2	1	.94
E13152	6	LATCH LOCK	*	1	4.00
E15101	7	LATCH LOCK BOLT	2	1	1.30
E939484-8	8	LATCH LOCK BOLT NUT	2	1	.20
E13188	9	LATCH LOCK SPRING	2	1	.30
E13190	10	DOOR LUG PIN		1	.32
E32892	11	LATCH PIN RETAINER	2	1	.04
E12732	n/p	DOOR CATCH ARM		1	1.50
E12916	n/p	DOOR CATCH ARM PIN		1	.13
E9561	n/p	DOOR CATCH SPRING	*	1	.13
E12734	n/p	ROLLER		1	.50
E12735	n/p	ROLLER PIN		1	.25
E9519	12	LINK BLOCK		2	5.50
E8151	13	UPPER LINK BLOCK BOLT, NUT & COT.		2	.50
E8145-2	14	LINK BLOCK BOLT & NUT	2	2	.75
E939672-19	15	COTTER PIN		3	.06
E940308-1	16	GREASE FITTING		1	.10
E31074	11	HINGE PIN RETAINER	*	1	.50

1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

AOT HGG (350 TON) BOTTLENECK ELEVATOR

AOT #	RANGE	SIZE OF LINKS	WT.
E70013	4" - 6 5/8"	4" - 6 5/8"	715.00



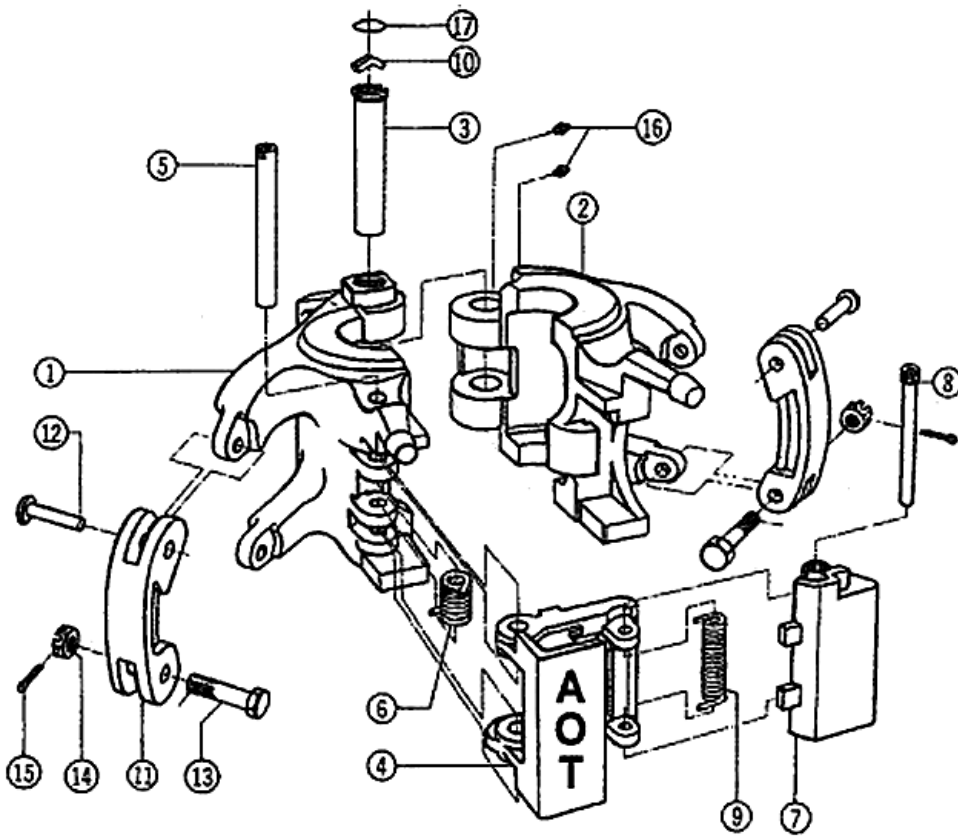
REPLACEMENT PARTS FOR HGG ELEVATORS

AOT #	ITEM #	DESCRIPTION	SPARES	# REQ.	WT.
E30553	1	HINGE PIN	*	1	18.38
E30460	2	LATCH		1	50.00
E30613	3	LATCH PIN	*	1	10.38
E31228	4	LATCH SPRING	2	1	2.25
E31215	5	LATCH SPRING STOP	2	1	.94
E13152-1	6	LATCH LOCK	*	1	4.00
E31138	7	LATCH LOCK BOLT	2	1	1.30
E939484-8	8	LATCH LOCK BOLT NUT	2	1	.20
E13188	9	LATCH LOCK SPRING	2	1	.30
E31216	10	DOOR LUG PIN		1	.32
E32892	11	LATCH PIN RETAINER	2	1	.04
E12732	n/p	DOOR CATCH ARM		1	1.50
E12916	n/p	DOOR CATCH ARM PIN		1	.13
E9561	n/p	DOOR CATCH SPRING	*	1	.13
E12734	n/p	ROLLER		1	.50
E12735	n/p	ROLLER PIN		1	.25
E30492	12	LINK BLOCK		2	5.50
E8151	13	UPPER LINK BLOCK BOLT, NUT & COT.		2	.50
E8145-2	14	LINK BLOCK BOLT & NUT	2	2	.75
E939672-19	15	COTTER PIN		3	.06
E940308-1	16	GREASE FITTING		1	.10
E30609	11	HINGE PIN RETAINER	*	1	.50

1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

AOT TA-65 (65 TON) & TA-100 (100 TON) CENTER LATCH ELEVATORS

AOT #	RANGE	DESCRIPTION	SIZE OF LINKS	WT.
E32385	1.660 - 2 7/8"	TA-65 C. L. ELEVATOR	1 3/4" - 2 3/4"	65.00
E32386	3 1/2" - 4 1/2"	TA-65 C. L. ELEVATOR	1 3/4" - 2 3/4"	83.00
E32383	2 3/8" - 2 7/8"	TA-100 C. L. ELEVATOR	1 3/4" - 2 3/4"	119.00
E32384	3 1/2" - 4 1/2"	TA-100 C.L. ELEVATOR	1 3/4" - 2 3/4"	158.00



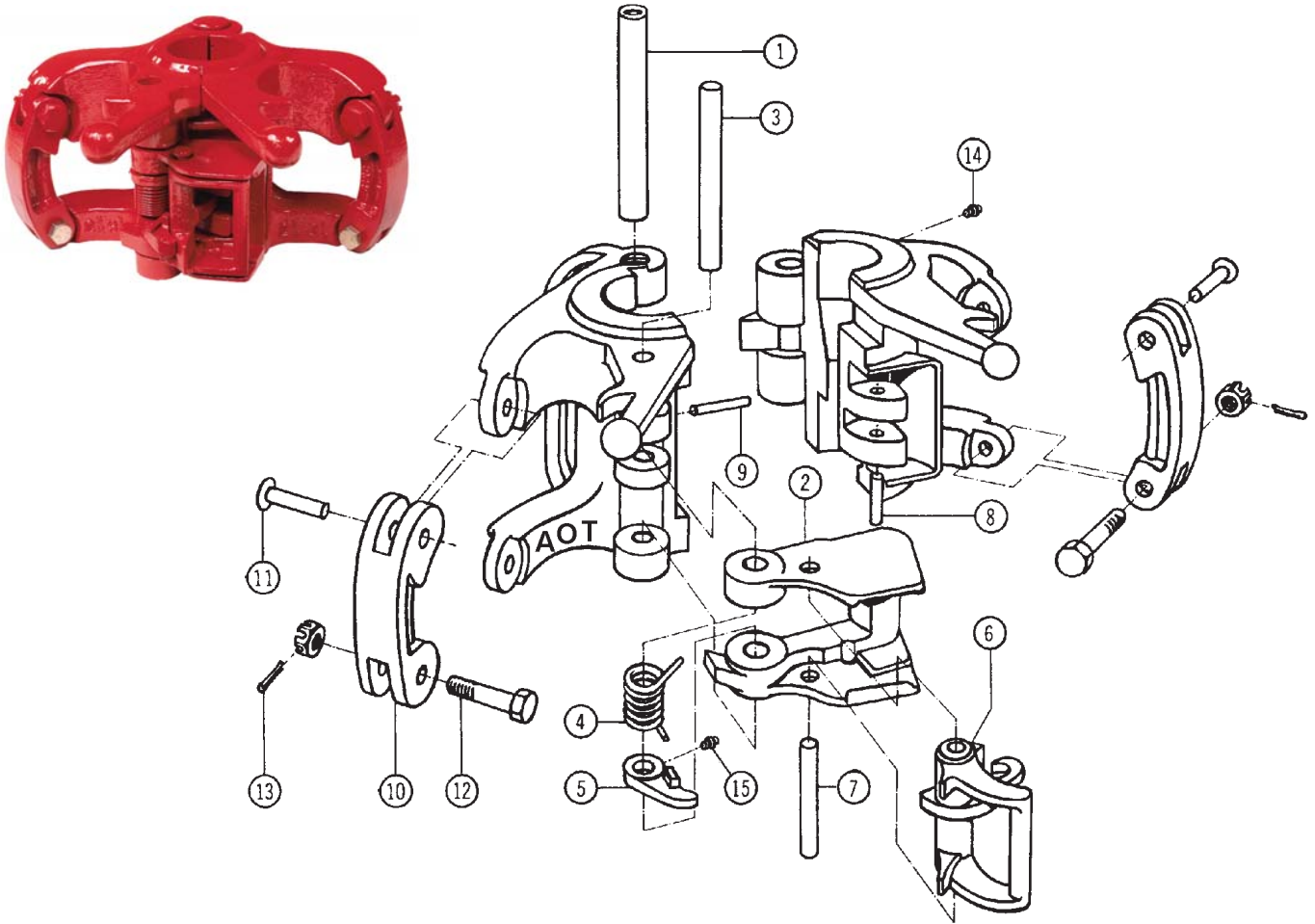
REPLACEMENT PARTS FOR TA-65 & TA-100 ELEVATORS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E32916	3	HINGE PIN (FRAME 32385)		1	5.00
E32915	3	HINGE PIN (FRAME 32386 & 32383)		1	6.00
E32919	3	HINGE PIN (FRAME 32384)		1	3.00
E32380	4	LATCH		1	5.50
E32424-3	5	LATCH PIN (FRAME 32385)	1	1	.75
E50713	5	LATCH PIN (FRAME 32386 & 32383)	1	1	1.00
E32424-1	5	LATCH PIN (FRAME 32384)	1	1	1.13
E32470	6	LATCH SPRING	2	1	.19
E32381-1	7	LATCH LOCK		1	2.75
E36208	8	LATCH LOCK PIN	2	1	.25
E32469	9	LATCH LOCK SPRING	2	1	.19
E32382	N/P	LATCH LOCK ASSY.		1	8.69
E32892	10	HINGE PIN RETAINER (FRAME 32385, 32386 & 32383)		1	.04
E32920	10	HINGE PIN RETAINER		1	.06
E32430	11	LINK BLOCK		2	2.19
E29359	12	USE P/N E939099-65		2	.25
E939099-65	13	UPPER & LOWER LINK BLOCK BOLT, NUT & COTTER	2	2	.40
E939484-7	14	LINK BLOCK NUT	2	2	.10
E939672-19	15	COTTER PIN	2	2	.06
E940308-1	16	GREASE FITTING		2	.10
E944048-15	17	EXPANSION PLUG (FRAME 32385)		1	.70
E944048-16	17	EXPANSION PLUG (FRAME 32386 & 32384)		1	.70
E944048-19	17	EXPANSION PLUG (FRAME 32383)		1	.70

** RECOMMENDED SPARES INCLUDE 1 SET OF INSERTS FOR EACH PIPE SIZE TO BE RUN

AOT MAA (175 TON) CENTER LATCH ELEVATOR

AOT #	RANGE	SIZE OF LINKS	WT.
E12526	2 3/8" - 3 1/2"	2 1/4" - 3 1/2"	88.00



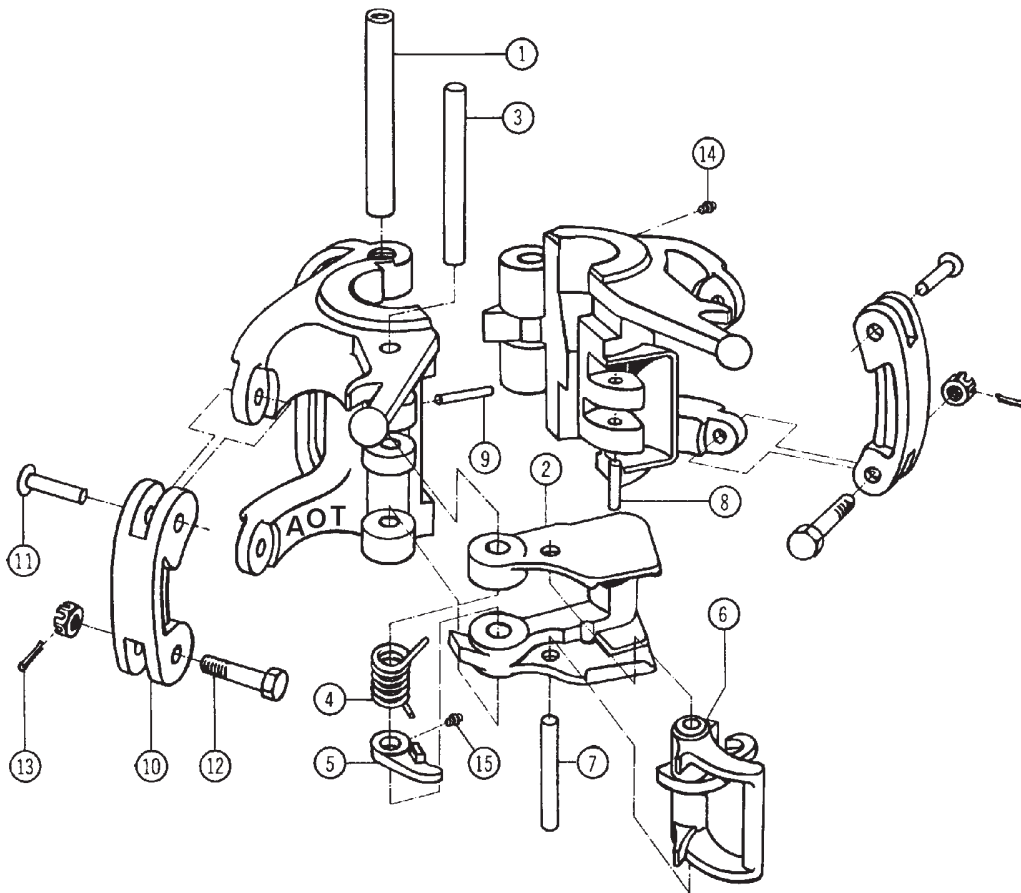
REPLACEMENT PARTS FOR MAA ELEVATORS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E12704	1	HINGE PIN		1	5.00
E11763	2	LATCH		1	9.25
E11758	3	LATCH PIN		1	2.13
E11766	4	LATCH SPRING	2	1	.50
E11581	5	LATCH CAM	1	1	1.00
E11764	6	LATCH LOCK		1	3.00
E11759	7	LATCH LOCK PIN	2	1	.57
E12529	8	DOOR LUG PIN		1	.19
E8156	9	LATCH RETAINER PIN	2	1	.06
E9519	10	LINK BLOCK		2	5.50
E8151	11	UPPER LINK BLOCK BOLT, NUT , & COTTER	2	2	.50
E8145-2	12	LINK BLOCK BOLT	2	2	.80
E8150	N/P	LINK BLOCK NUT	2	2	.39
E9519-1	N/P	LINK BLOCK ASSY.		2	7.00
E8145-2	N/P	LINK BLOCK BOLT ASSY.		2	1.19
E939672-18	13	COTTER PIN	2	2	.10
E940308-1	14	GREASE FITTING		1	.10
E940308-8	15	GREASE FITTING		1	.10

RECOMMENDED SPARES INCLUDE 1 SET OF INSERTS FOR EACH PIPE SIZE TO BE RUN

AOT MRA (150 TON) SQUARE SHOULDER ELEVATOR

AOT #	RANGE	SIZE OF LINKS	WT.
E30158	2 3/8" - 5"	1 3/4" - 2 3/4"	210-185



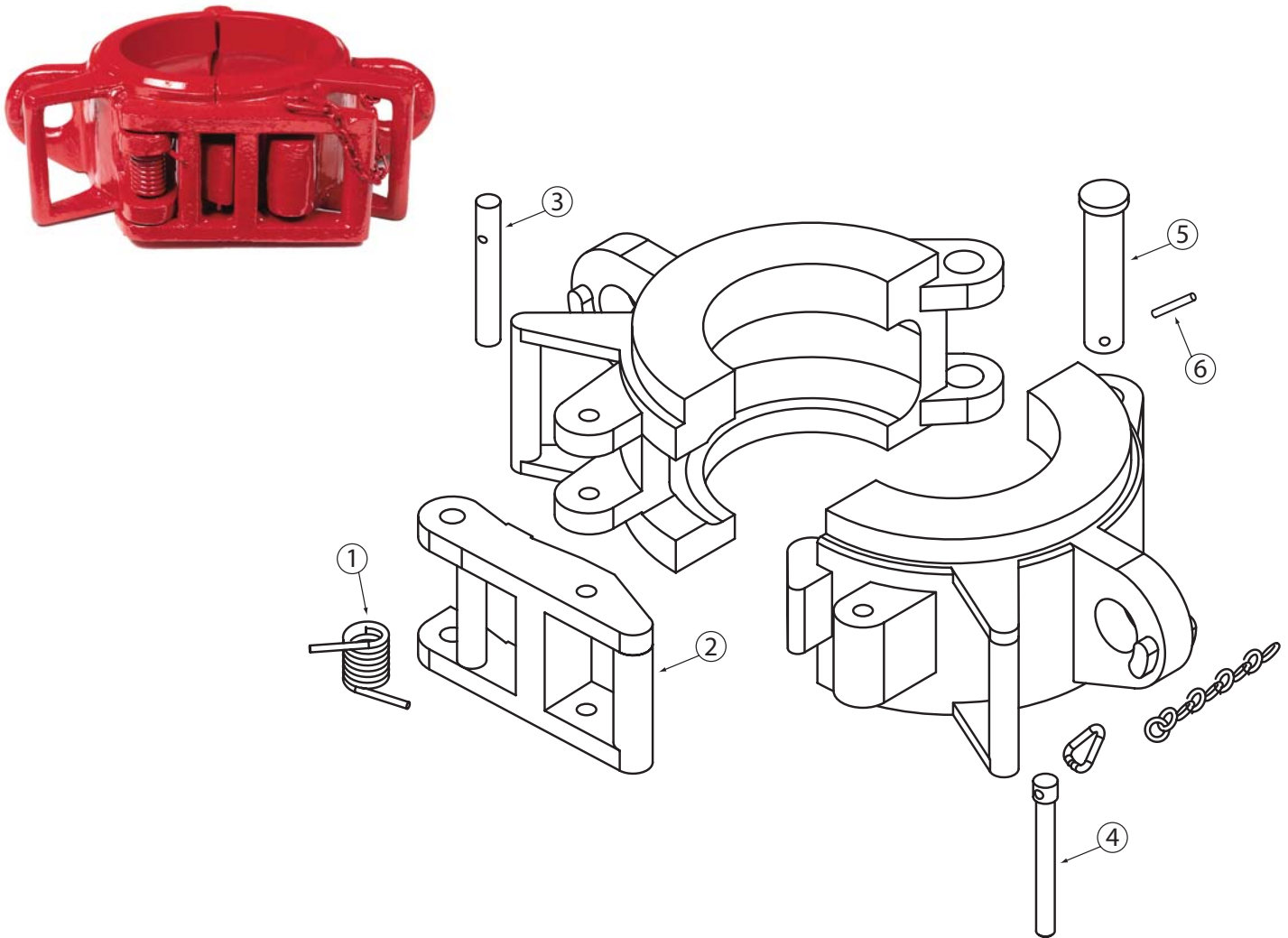
REPLACEMENT PARTS FOR MRA ELEVATORS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E26813	1	HINGE PIN	*	1	4.85
E11763	2	LATCH		1	9.25
E26814	3	LATCH PIN	*	1	.50
E11766	4	LATCH SPRING	2	1	.25
E11581	5	LATCH CAM	1	1	.75
E11764	6	LATCH LOCK	*	1	3.00
E11759	7	LATCH LOCK PIN	1	1	.75
E12529	8	DOOR LUG PIN		1	.25
E8156	9	LATCH PIN RETAINER	1	1	.25
E26817	10	LINK BLOCK		2	3.50
E8031	11	LINK BLOCK PIN		2	.45
E8145-2	12	LINK BLOCK BOLT, & NUT &	2	2	.75
E939672-18	13	COTTER PIN	2	3	.10
E940308-1	14	GREASE FITTING		1	.10
E940308-8	15	GREASE FITTING		1	.10

1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

AOT SINGLE JOINT ELEVATORS

AOT #	RANGE	WT.
E39-039	2 3/8" - 5 1/2"	51.00
E39-040	5 3/4" - 7 5/8"	69.00
E39-041	8" - 10 3/4"	98.00
E39-042	11 3/4" - 13 3/8"	130.00
E39-043	14" - 20"	213.00

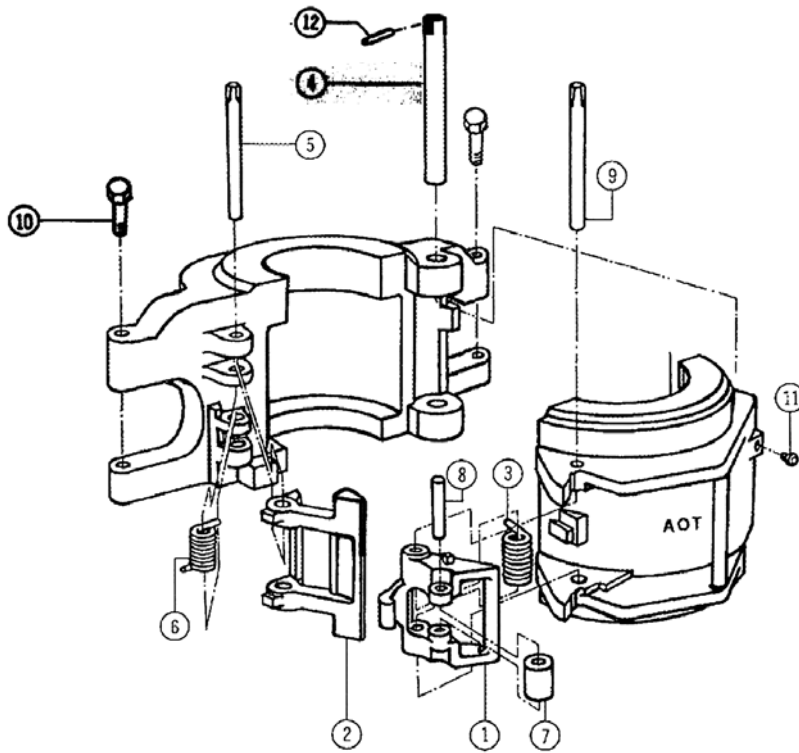


REPLACEMENT PARTS FOR SINGLE JOINT ELEVATORS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E39-034	1	2 3/8" - 20" LATCH SPRING	2	1	.08
E39-035	2	2 3/8" - 13 3/8" LATCH		1	5.50
E39-050	3	2 3/8" - 20" LATCH PIN	1		.35
E39-051	4	2 3/8" - 20" LATCH RET PIN ASSY.	1	1	.65
E39-052	5	2 3/8" - 13 3/8" HINGE PIN	1		.75
E39-054	2	14" - 20" LATCH	1		7.00
E39-053	5	14" - 20" HINGE PIN		1	1.00
E39-055	6	2 3/8" - 20" HINGE PIN RETAINING PIN		1	.08
E34568	N/P	SWIVEL SUSPENSION ASSEMBLY		1	19.00

AOT SLX - 65 TON SIDE DOOR ELEVATOR

AOT #	RANGE	WT.
E38-045	3 1/2" - 5 1/2"	160.00
E38-067	5 3/4" - 8 5/8"	190.00
E38-809	9" - 10 3/4"	218.00
E38-137	11" - 14 1/4"	275.00



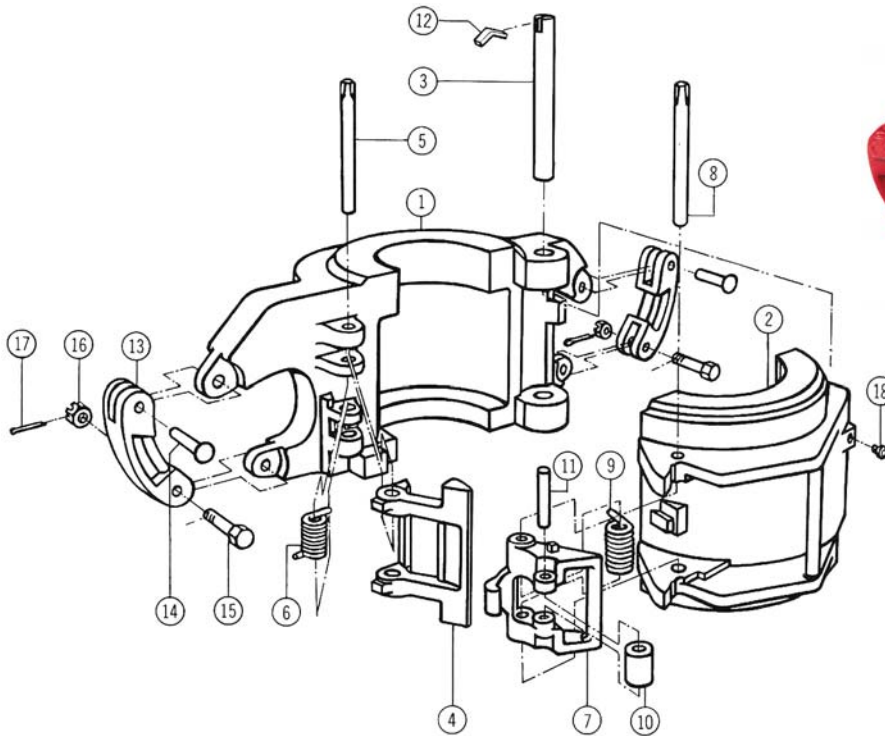
REPLACEMENT PARTS FOR SLX- 65 ELEVATORS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E33812	1	LATCH LOCK (3 1/2" - 5 1/2")		1	3.38
E33813	2	LATCH (3 1/2" - 5 1/2")		1	3.44
E33816	3	LATCH LOCK SPRING (3 1/2" - 5 1/2")	2	1	.25
E34612	4	HINGE PIN (3 1/2" - 8 5/8")		1	2.00
E29980-3	5	LATCH PIN (3 1/2" - 5 1/2")		1	.83
E29980-3	9	LATCH LOCK PIN (3 1/2" - 5 1/2")		1	.83
E33818	6	LATCH SPRING (3 1/2" - 5 1/2")	2	1	.19
E33817	7	ROLLER		1	.25
E31584	8	ROLLER PIN		1	.10
E34X6	10	LINK BLOCK BOLT (3 1/2" - 5 1/2")	2	2	.75
E53201	11	GREASE FITTING		2	.10
E31332	1	LATCH LOCK (5 3/4" - 14 1/4")		1	3.50
E31331	2	LATCH (5 3/4" - 14 1/4")		1	4.50
E34611	4	HINGE PIN (9 5/8" - 14 1/4")		1	2.00
E32424-3	5	LATCH PIN (5 3/4" - 14 1/4")		1	.83
E29980-4	9	LATCH LOCK PIN (5 3/4" - 14 1/4")		1	.50
E31383	6	LATCH SPRING (5 3/4" - 14 1/4")	2	1	.45
E31404	3	LATCH LOCK SPRING (5 3/4" - 14 1/4")	2	1	.19
E34X7	10	LINK BLOCK BOLT (5 3/4"-14 1/4")	2	2	1.00
E34614	12	HINGE PIN RETAINER		1	.06

1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

AOT SLX - 150 (150 TON) SIDE DOOR ELEVATORS

AOT #	RANGE	WT.
E31239	5 1/2" - 8 5/8"	300.00
E33950	9 5/8" - 10 3/4"	420.00
E33982	11 3/4" - 13 3/8"	475.00
E33632	16" - 20"	720.00

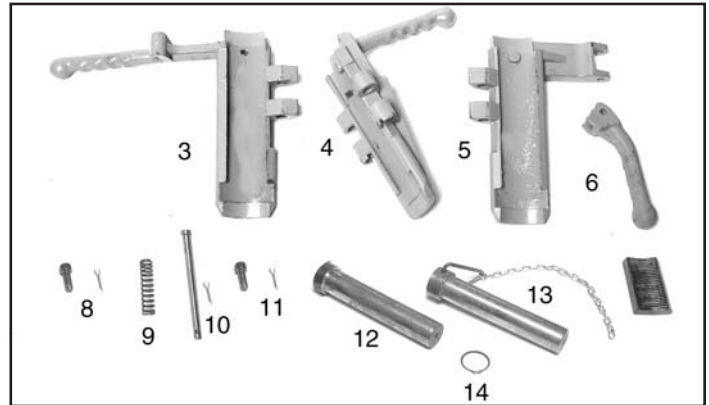


REPLACEMENT PARTS FOR SLX-150 ELEVATORS

AOT #	ITEM #	DESCRIPTION	**SPARES	# REQ.	WT.
E34611	3	HINGE PIN (5 1/2" - 8 5/8")		1	4.44
E33953	3	HINGE PIN (9 5/8" - 10 3/4")		1	6.25
E33985	3	HINGE PIN (11 3/4" - 13 3/8")		1	8.50
E33646	3	HINGE PIN (16" - 20")		1	10.00
E31331	4	LATCH (5 1/2" - 13 3/8")		1	4.50
E33634	4	LATCH (16" - 20")		1	6.00
E32424-3	5	LATCH PIN (5 1/2" - 13 3/8")	1	1	.75
E33645	5	LATCH PIN (16" - 20")	1	1	2.00
E31383	6	LATCH SPRING (5 1/2" - 13 3/8")	2	1	.44
E33657	6	LATCH SPRING (16" - 20")	2	1	.50
E31332	7	LATCH LOCK (5 1/2" - 13 3/8")		1	3.50
E33635	7	LATCH LOCK (16" - 20")		1	5.00
E29980-4	8	LATCH LOCK PIN (5 1/2" - 13 3/8")	1	1	.50
E50713	8	LATCH LOCK PIN (16" - 20")	1	1	1.00
E31404	9	LATCH LOCK SPRING (5 1/2" - 13 3/8")	2	1	.19
E33658	9	LATCH LOCK SPRING (16" - 20")	2	1	.50
E31407	10	ROLLER		1	.38
E31584	11	ROLLER PIN		1	.13
E34614	12	HINGE PIN RETAINER (5 1/2" - 8 5/8")		1	.06
E32918	12	HINGE PIN RETAINER (9 5/8" - 10 3/4")		1	.06
E32892	12	HINGE PIN RETAINER (11 3/4" - 20")		1	.04
E9519	13	LINK BLOCK		2	5.50
E8151	14	LINK BLOCK PIN	2	2	.50
E8145	15	LINK BLOCK BOLT	2	2	.50
E8150	16	LINK BLOCK NUT	2	2	.13
E939672-20	17	COTTER PIN	2	2	.06
E940308-1	18	GREASE FITTING			.10

AOT 3-1/2" "TS-100" MANUAL TUBING SPIDER

The 3-1/2" TS-100 tubing spider and slip assembly can handle tubing sizes 3/4" thru 3-1/2" O.D. by changing 9 removable inserts. The spider and slip are made of alloy steel and heat treated for strength. All come with full certification and data books are available upon request.



AOT#	ITEM #	DESCRIPTION	REF#	*SPARES	# REQ.	WT.
17-300		3-1/2" SPIDER COMPLETE LESS INSERTS	N/A		1	238.0
17-301		SLIP ASSY. LESS INSERTS	7502-104		1	51.0
17-302		3-1/2" TS-100 BOWL ONLY	7502-100		1	187.0
17-101	3	RIGHT HAND SEGMENT	7502-C-217		1	13.0
17-102	4	CENTER SEGMENT	7502-B-217		1	13.0
17-103	5	LEFT HAND SEGMENT	7502-A-217		1	13.0
17-104	6	LATCH HANDLE	7502-A-214		1	3.00
17-105		LATCH	7502-A-207		1	.50
17-108	8	LATCH PIN W/COTTER	7502-B-207	2	1	.12
17-109	9	LATCH SPRING	7502-C-207	2	1	.12
17-110	10	HINGE PIN F/SLIP W/COTTER	7502-A-216		2	.25
17-111	11	LINE KEEPER W/COTTER	7502-B-216	6	3	.12
17-112	12	HINGE PIN F/BOWL	7502-A-202		1	4.50
17-113	13	LOCK PIN W/BAIL & CHAIN	7502-D-203		1	5.00
17-114	14	SNAP RING	7502-103-X	1	1	.08

* RECOMMENDED SPARE PARTS F/1 YEAR OPERATION

INSERTS FOR 3-1/2" "TS-100" SPIDER

AOT#	DESCRIPTION	REF#	# REQ.	WT.
21-101	3-1/2" X 3-1/2"	7502-A-5069	9	1.25
21-110	3-1/2" X 3-3/8"	N/A	9	1.25
21-102	3-1/2" X 3-1/8"	N/A	9	1.30
21-103	3-1/2" X 2-7/8"	7502-A-5070	9	1.50
21-104	3-1/2" X 2-3/8"	7502-A-5071	9	1.75
21-105	3-1/2" X 2-1/16"	7502-A-5072	9	2.00
21-111	3-1/2" X 2"	N/A	9	2.10
21-106	3-1/2" X 1-1/2"	7502-A-5074	9	2.25
21-107	3-1/2" X 1-1/4"	7502-A-5075	9	2.50
21-108	3-1/2" X 1"	7502-A-5076	9	2.75
21-109	3-1/2" X 3/4"	7502-A-5077	9	2.87

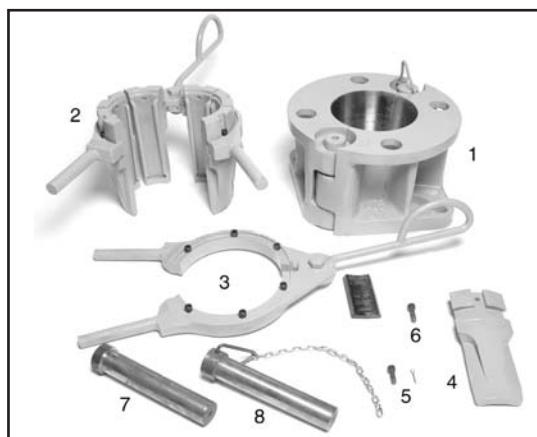
AOT 4-1/2" & 5-1/2" "TS-100" MANUAL SPIDER

The 4-1/2" spider and slip uses the 4-1/2" "DU" rotary slip insert and has a range of 1.660" thru 4-1/2" O.D. by changing the 12 inserts. The 5-1/2" spider and slip uses the 5-1/2" "D"U rotary slip insert and has a range of 2-7/8" thru 5-1/2" O.D. by changing the 12 inserts. The 5-1/2" spider is specifically designed to run the Reda or Kobe cable. Both spiders and slip assemblies are designed for heavy duty use. Both are made of alloy steel and heat treated for strength and wear resistance. Both spiders are rated for 100 ton capacity.



COMPLETE SPIDER ASSEMBLIES

AOT#	DESCRIPTION	# REQ.	WT.
18-450	4-1/2" TS-100 SPIDER COMPLETE W/SLIPS LESS INSERTS	1	249.0
18-550	5-1/2" TS-100 SPIDER COMPLETE W/SLIPS LESS INSERTS	1	303.0



REPLACEMENT PARTS FOR 4-1/2" & 5-1/2" "TS-100" SPIDER

AOT#	ITEM #	DESCRIPTION	*SPARES	# REQ.	WT.
18-451	1	4-1/2" BOWL ONLY		1	155.0
18-452	2	4-1/2" SLIP ASSY. COMPLETE LESS INSERTS		1	60.0
18-453	3	4-1/2" SLIP HANDLES ONLY (SET)		1	20.0
18-454	4	4-1/2" SLIP SEGMENTS EACH		1	6.80
18-457	7	4-1/2" HINGE PIN		1	3.50
18-458	8	4-1/2" REMOVEABLE HINGE PIN		1	3.75
18-455	5	4-1/2" & 5-1/2" INSERT RETAINER PIN	12	1	.20
18-456	6	4-1/2" & 5-1/2" SEGMENT RETAINER PIN	6	1	.25
18-551	1	5-1/2" BOWL ONLY		1	213.0
18-552	2	5-1/2" SLIP ASSY. COMPLETE LESS INSERTS		1	70.0
18-553	3	5-1/2" SLIP HANDLES ONLY (SET)		1	21.0
18-554	4	5-1/2" SLIP SEGMENTS EACH		2	8.00
18-557	7	5-1/2" HINGE PIN		3	4.00
18-558	8	5-1/2" REMOVABLE HINGE PIN		1	4.25

* RECOMMENDED SPARE PARTS F/1 YEAR OPERATION
INSERTS FOR 4-1/2" - 5-1/2" SPIDER ON PAGE 46

AOT 8-5/8" "API" BOWL

The AOT API BOWL has the same bore and taper (4" per ft.) as the API #3 split bowl. All API drill collar, drill pipe & casing slips can be used in this bowl. It has a range of 2-1/16" thru 10" F.J. and is rated for 100 tons.



AOT#	DESCRIPTION	# REQ.	WT.
17-850	8-5/8" API BOWL	1	600.0
17-851	REMOVABLE HINGE PIN W/CHAIN	2	8.0



AOT 200 TON HINGED CASING SPIDERS

AOT#	DESCRIPTION	WT.
30-303	30" 200 TON HINGED CASING SPIDER	2200.00
30-203	20" 200 TON HINGED CASING SPIDER	1625.00
30-133	13-3/8" 200 TON HINGED CASING SPIDER	950.00

NOTE: AOT "CMS-3" SLIPS FIT & BAASH ROSS® UC-3 SLIPS FIT ABOVE SPIDERS

REDUCING BUSHINGS FOR 200 TON HINGED CASING SPIDERS

AOT#	DESCRIPTION	WT.
30-326	30" X 26" REDUCING BUSHING	610.00
30-324	30" X 24" REDUCING BUSHING	755.00
30-320	30" X 20" REDUCING BUSHING	905.00
30-216	20" X 16" REDUCING BUSHING	395.00
30-213	20" X 13-3/8" REDUCING BUSHING	480.00
30-190	20" X 10-3/4" REDUCING BUSHING	525.00
30-195	13-3/8" X 10-3/4" REDUCING BUSHING	165.00
30-188	13-3/8" X 8-5/8" REDUCING BUSHING	265.00
30-201	REMOVABLE HINGE PIN W/CHAIN FOR ALL SPIDERS	18.00
30-202	BUSHING HANDLE	4.00
30-204	BUSHING RETAINER BOLTS & NUTS	1.00

AOT DUAL SPIDER



The AOT Dual Spider is designed to run dual strings of tubing at the same time or one at a time. The spider has a 100 ton rating. It has a size range of 1" (1.050") thru 2 7/8" by simply changing inserts. The spider will run any two different sizes or the same two sizes at the same time.

AOT #	DESCRIPTION	# REQ.	WT.
17-860	DUAL BOWL COMPLETE W/BUSHING & 2 SLIP ASSY.'S, LESS INSERTS	1	864.00
17-861	DUAL BOWL COMPLETE W/BUSHING LESS SLIP ASSY.'S	1	794.00
17-862	DUAL BUSHING ONLY	1	194.00
17-863	SLIP ASSY. LESS INSERTS	2	35.00
17-864	RIGHT HAND SEGMENT F/DUAL SLIP	1 PER SLIP	11.00
17-865	CENTER SEGMENT F/DUAL SLIP	1 PER SLIP	13.00
17-866	LEFT HAND SEGMENT F/DUAL SLIP	1 PER SLIP	11.00
17-110	HINGE PIN F/SLIP W/COTTER	2 PER SLIP	.25
17-111	LINER KEEPER W/COTTER	3 PER SLIP	.12
17-851	REMOVABLE HINGE PIN W/CHAIN	2	8.00
17-867	BUSHING RETAINING BOLTS	4	.25
17-868	BUSHING LIFTING EYES	2	.40

INSERTS FOR DUAL SLIPS

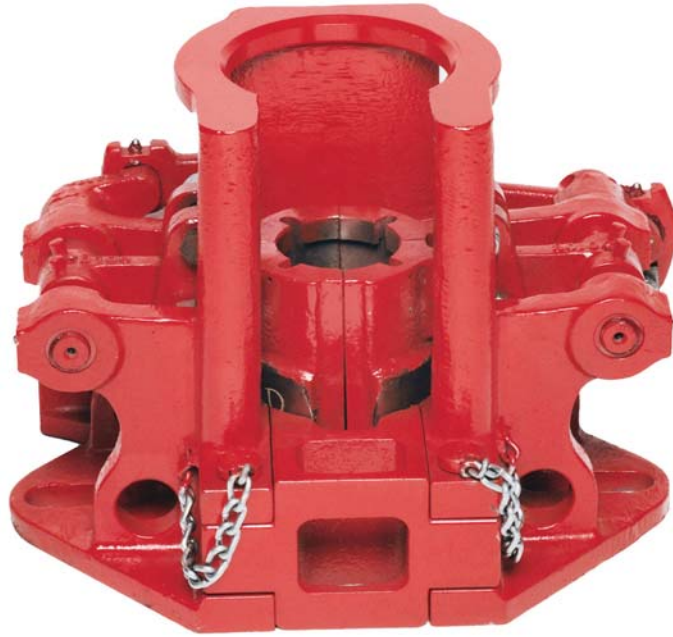
(NOTE EACH SLIP TAKES 6EA. INSERTS
BELOW & 3 REGULAR 3 1/2" TS-100 INSERTS)

AOT #	DESCRIPTION	# REQ.	WT.
21-103-D	2 7/8" X 2 7/8" INSERT F/DUAL SLIP	6	1.50
21-104-D	2 7/8" X 2 3/8" INSERT F/DUAL SLIP	6	1.75
21-105-D	2 7/8" X 2 1/16" INSERT F/DUAL SLIP	6	2.00
21-106-D	2 7/8" X 1 1/2" (1.900") INSERT F/DUAL SLIP	6	2.25
21-107-D	2 7/8" X 1 1/4" (1.660") INSERT F/DUAL SLIP	6	2.50
21-108-D	2 7/8" X 1" (1.315") INSERT F/DUAL SLIP	6	2.75
21-109-D	2 7/8" X 3/4" (1.050") INSERT F/DUAL SLIP	6	2.87

INSERTS (SETS) FOR DUAL BOWL

AOT #	DESCRIPTION	# REQ.	WT.
21-103-DSET	2 7/8" X 2 7/8" (SET) INSERTS F/DUAL SLIP	1 PER SLIP	13.50
21-104-DSET	2 7/8" X 2 3/8" (SET) INSERTS F/DUAL SLIP	1 PER SLIP	15.75
21-105-DSET	2 7/8" X 2 1/16" (SET) INSERTS F/DUAL SLIP	1 PER SLIP	18.00
21-106-DSET	2 7/8" X 1 1/2" (1.900" SET) INSERTS F/DUAL SLIP	1 PER SLIP	20.25
21-107-DSET	2 7/8" X 1 1/4" (1.660" SET) INSERTS F/DUAL SLIP	1 PER SLIP	22.50
21-108-DSET	2 7/8" X 1" (1.315" SET) INSERTS F/DUAL SLIP	1 PER SLIP	24.75
21-109-DSET	2 7/8" X 3/4" (1.050" SET) INSERTS F/DUAL SLIP	1 PER SLIP	25.83

AOT HYDRAULIC & PNEUMATIC TUBING SPIDERS



The AOT 125 TON HYD/AIR tubing spider is designed for heavy duty use. It has a size range of 1.315" - 5 1/2" by changing out slip bodies & inserts. It is made of high alloy heat treated steel for strength & resistance to wear. The AOT 55 TON HYD/AIR tubing spider is designed for light to medium duty operations with a size range 1.315" - 3 1/2" by changing out the inserts.

AOT HYDRAULIC/PNEUMATIC SPIDERS

AOT #	DESCRIPTION	# REQ.	WT.
34-550	55 TON SPIDER ASSY. LESS SLIP, INSERTS, HOSES, FOOT CONTROL , AND AIR FILTER	1	217.00
34-551	125 TON SPIDER ASSY. LESS SLIP, INSERTS, HOSES, FOOT CONTROL, AND AIR FILTER	1	345.00
34-121	3 1/2" SLIP ASSY. (1.315" - 3 1/2") LESS INSERTS f/55 TON	1	12.00
34-122	3 1/2" SLIP ASSY. (1.315" - 3 1/2") LESS INSERTS f/125 TON	1	12.00
34-123	4 1/2" SLIP ASSY. (3 1/2" - 4 1/2") LESS INSERTS f/125 TON	1	11.00
34-125	5" SLIP ASSY. w/MILL CUT TEETH f/125 TON	1	12.00
34-126	5 1/2" SLIP ASSY. w/MILL CUT TEETH f/125 TON	1	11.00
34-127	AIR FILTER, PRESSURE REGULATOR, GAUGE ASSY. w/LUBRICATOR & QUICK CHANGE CONN	1	15.68
34-132	HYD. CONTROL VALVE ASSY.	1	25.00
34-134	HYD. FOOT VALVE ONLY	1	10.00
34-133	HYD. DUST PLUG	4	.25
34-128	HYD. PRESSURE REDUCER WITH GAUGE ASSY.	1	8.00
34-129	AIR CONTROL VALVE ASSY. FOOT OPERATED W/QUICK CHANGE COUPLING	1	25.00
34-130	25' AIR HOSE	2	5.00
34-131	25' AIR SUPPLY HOSE	2	5.00
34-135	25' HYD. HOSE ASSEMBLY	2	5.00
34-136	25' HYD. HOSE	2	5.00

FULL CIRCLE INSERTS

AOT #	DESCRIPTION	# REQ.	WT.
34-205	3 1/2" X 3 1/2" INSERTS (SET OF 4)	1	9.00
34-206	3 1/2" X 2 7/8" INSERTS (SET OF 4)	1	14.00
34-207	3 1/2" X 2 3/8" INSERTS (SET OF 4)	1	17.00
34-228	3 1/2" X 2 1/16" INSERTS (SET OF 4)	1	18.50
34-229	3 1/2" X 1 1/2" (1.900") INSERTS (SET OF 4)	1	19.00
34-230	3 1/2" X 1 1/4" (1.660") INSERTS (SET OF 4)	1	19.50
34-231	3 1/2" X 1" (1.315") INSERTS (SET OF 4)	1	20.00
34-209	4 1/2" X 4 1/2" INSERTS (SET OF 4)	1	10.00
34-210	4 1/2" X 4" INSERTS (SET OF 4)	1	12.00
34-211	4 1/2" X 3 1/2" INSERTS (SET OF 4)	1	14.00

* RECOMMENDED INSERTS FOR 1 YEAR ORDER 2 SETS FOR EACH SIZE TO BE RUN

SLIP REPLACEMENT PARTS

AOT#	DESCRIPTION	*SPARES	# REQ.	WT.
34-150	SLIP BOLT	4	4	.50
34-151	NUT F/SLIP	4	4	.13
34-152	INSERT RETAINER PIN	4	4	.20
34-153	COTTER F/SLIP RETAINER PIN	4	4	.13

REPLACEMENT PARTS FOR 55 TON & 125 TON AOT SPIDERS

AOT# 55 TON	AOT# 125 TON	DESCRIPTION	*SPARES	#REQ.	WT.
34-501	34-601	BODY ONLY		1	283.00
34-502	34-602	GATE		1	44.00
34-503	34-603	LINK		1	5.50
34-504	34-604	SHAFT (LEFT HAND CRANK)		1	8.00
34-505	34-605	SHAFT (RIGHT HAND CRANK)		1	8.00
34-506	34-606	LIFTING ARM		1	3.50
34-607	34-607	YOKE	1	1	1.00
34-508	34-608	SAFETY GUARD		1	4.50
34-609	34-609	GREASE ZERT	2	2	.03
34-610	34-610	BOLT	1	1	3.30
34-611	34-611	BOLT	1	1	3.30
34-612	34-612	NUT	2	2	1.40
34-613	34-613	BOLT W/LOCKWASHER	4	4	6.30
34-514	34-614	DOOR PIN W/CHAIN		2	2.00
34-615	34-615	SET SCREW (FOR LIFTING ARM)	2	2	.15
34-616	34-616	TAPER PIN (FOR LIFTING ARM))	4	4	.50
34-517	34-617	RETAINING CLIP	2	2	1.00
34-618	34-618	GREASE ZERT	4	4	.03
34-519	34-619	CRANK BUSHING	4	4	1.00
34-520	34-620	LINK BUSHING	2	2	8.80
34-521	34-621	SPACER		2	2.12
34-628A	34-628A	AIR COUPLING (MALE)	2	2	3.25
34-628H	34-628H	HYDRAULIC COUPLING (MALE)	2	2	3.25
34-629	34-629	SAFETY LATCH	1	1	5.00
34-630	34-630	SAFETY BOLT	1	1	3.45
34-631	34-631	AIR CYLINDER ASSY.		1	14.00
34-632	34-632	HYDRAULIC CYLINDER ASSY.		1	14.00
34-633	34-633	JAM NUT	1	1	1.00
34-560	34-660	SPARE PARTS KIT F/1YEAR L/INSERTS	1	1	81.32

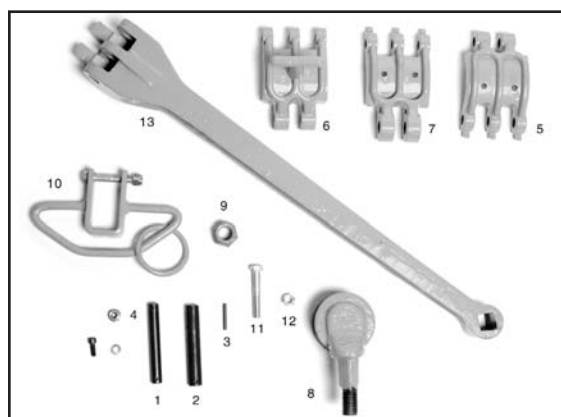
1 YEAR SPARES, FOR 2 YEARS SPARES ADD 1 EA. OF * THESE ITEMS

AOT "K-25" LIGHT WEIGHT TUBING TONG

The AOT K-25 Tubing Tong has a wide range from 1.050 thru 3.062, and is light-weight with a wrap around design providing approximately 300° die contact. This prevents crushing or cutting of thin wall tubing. The tong can be used by hand or with a rope block and catline, when making-up or breaking-out tubing. They are made of high alloy steel, heat-treated for strength and wear, and then tested. The AOT K-25 light-weight tubing tong has a 2,000 ft.-lb maximum torque rating. All tongs are pull-tested and complete documentation is available with each tong.



AOT #	DESCRIPTION	WT.
05-101	K-25 TONG COMPLETE LESS DIES, ROPE GUIDE & HANGER	16.50
05-102	K-25 TONG COMPLETE LESS DIES w/ROPE GUIDE & HANGER	21.00



REPLACEMENT PARTS FOR "K-20" & "K-25" TUBING TONG

AOT#	ITEM#	DESCRIPTION	REF.#	#REQ.	WT.*	SPARES
05-103	1	TONG HEAD PIN	8527-5025	3	.12	3
05-104	2	TONG HANDLE PIN	8527-5024	1	.37	1
05-117	3	SPRING LOCK FOR ALL PINS	904685-71	8	.03	8
05-105	4	TONG DIE BUSHING & SCREW	N/A	6	.06	24
05-106	5	K-25 HANDLE JAW	8527-5032	1	2.12	
05-107	6	K-25 LATCH JAW	8527-5034-03	1	2.12	
05-108	7	K-25 CENTER JAW	8527-5033	1	1.75	
05-109	8	K-20 OR K-25 ROPE GUIDE	8527-5023	1	2.75	
05-110	9	3/4" HEX NUT f/ROPE GUIDE	900645-50	1	.06	
05-113	10	ROLLOVER HANGER COMPLETE	8527-5018-03	1	1.75	
05-111	11	3/8" x 2 1/4" HEX CAP SCREW	900020-63	1	.06	2
05-112	12	3/8" FLEXLOCK NUT	902392-3	1	.06	2
05-114	13	TONG HANDLE f/K-25 OR K-20	8527-5024	1	9.75	

DIES FOR K-20 AND K-25 REFER TO PAGE 54

*RECOMMENDED SPARE PARTS FOR ONE YEAR

RECOMMENDED DIES FOR ONE YEAR ORDER 3 FOR EACH SIZE REQUIRED

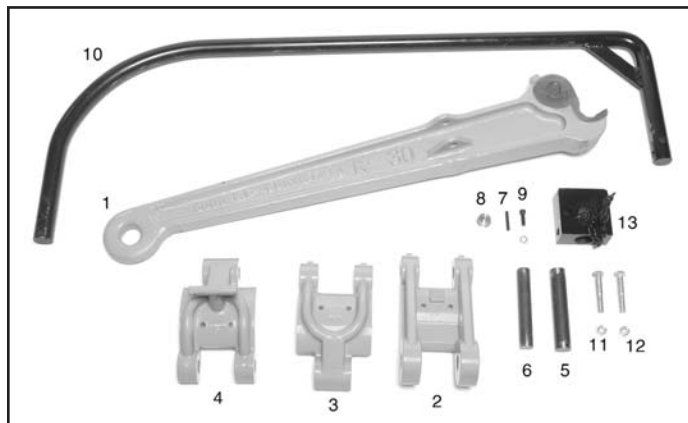
ALL PARTS ARE INTERCHANGEABLE WITH KELCO** K-20 & K-25 TUBING TONGS

AOT “K-30” MANUAL TUBING TONG

The AOT K-30 Tubing Tong is Designed for heavy duty service of tubing 2.062” to 4.125” OD with a 5,000 ft.-lb. maximum torque rating. It has a wrap-around design with approximately a 300° die contact. This prevents cutting or crushing of thin wall tubing. All tongs are pull tested and complete documentation is available with each tong.



AOT #	DESCRIPTION	REF#	WT.
06-101	K-30 TONG ASSEMBLY COMPLETE LESS HANGER & DIES	8527-5035	48.00
06-102	K-30 TONG ASSEMBLY COMPLETE LESS DIES w/STANDARD HANGER	8527-5036	61.00
06-103	K-30 TONG ASSEMBLY COMPLETE LESS DIES w/ROLLOVER HANGER	8527-5037	64.00



REPLACEMENT PARTS FOR “K-30” TUBING TONGS

AOT#	ITEM#	DESCRIPTION	REF#	# REQ.	WT.	*SPARES
06-104	1	K-30 TONG HANDLE	8527-5047	1	24.00	
06-105	2	K-30 HANDLE JAW	8527-5045	1	8.00	
06-106	3	K-30 CENTER JAW	8527-5049	1	5.50	
06-107	4	K-30 LATCH JAW	8527-5050-03	1	5.75	
06-108	5	TONG HANDLE PIN	8527-5052 1	1	.75	1
06-109	6	TONG HEAD PIN	8527-5053 3	3	.50	3
06-157	7	5/32" x 1" SPRINGLOCK	904685-71	8	.03	8
06-110	8	TONG DIE BUSHING	8527-5055 24	6	.10	24
06-111	9	TONG DIE SCREW	902224-11348	6	.06	48
06-112		TONG ROLLOVER HANGER ASSY	8527-5045	1	16.00	
06-113	10	TONG HANGER	8527-5042-03	1	13.00	
06-155	11	1/2" x 2 1/2" HEX HEAD CAP SCREW	900020-74	1 or 2	.15	2
06-156	12	1/2" HEX NUT	900160-5	1 or 2	.08	2
06-114	13	ROLLOVER BLOCK	8527-5038-03	1	2.50	
06-115		ROLLOVER LOCK PIN	8527-5040-03	1	.38	

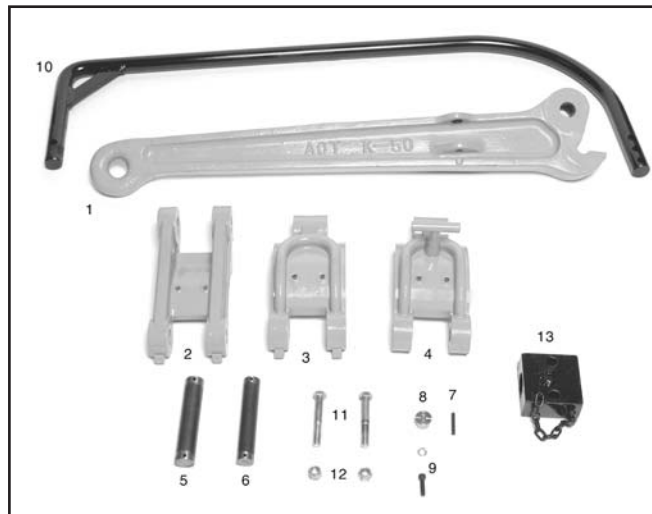
DIES FOR K-30 REFER TO PAGE 54
 RECOMMENDED SPARE PARTS FOR 1 YEAR OPERATION
 RECOMMENDED DIES FOR 1 YEAR ORDER 3 FOR EACH SIZE PIPE TO BE RUN
 TONG ROLLOVER HANGER ASSY. CONSISTS OF: TONG HANGER, ROLLOVER BLOCK, LOCK PIN
 AND ALL BOLTS & NUTS
 ALL PARTS ARE INTERCHANGEABLE WITH KELCO® K-30 TONGS

AOT "K-50" MANUAL TUBING TONG



The AOT K-50 Manual Tubing Tong is designed for heavy duty service for tubing and casing. It has a size range of 2 7/8" - 5 1/2" OD with a 7,500 ft.-lb. maximum torque rating. It has a wrap-around design with approximately 300° die contact to prevent cutting or crushing thin wall pipe. All tongs are pull tested and complete documentation is available.

AOT #	DESCRIPTION	WT.
06-501	K-50 TONG ASSEMBLY COMPLETE LESS HANGER & DIES	60.00
06-502	K-50 TONG ASSEMBLY COMPLETE LESS DIES w/STANDARD HANGER	75.00
06-503	K-50 TONG ASSEMBLY COMPLETE LESS DIES w/ROLLOVER HANGER	77.50



REPLACEMENT PARTS FOR "K-50" TUBING TONGS

AOT#	ITEM#	DESCRIPTION	#REQ.	WT.	*SPARES
06-504	1	K-50 TONG HANDLE	1	32.00	
06-505	2	K-50 HANDLE JAW	1	10.00	
06-506	3	K-50 CENTER JAW	1	8.00	
06-507	4	K-50 LATCH JAW	1	8.50	
06-508	5	TONG HANDLE PIN	1	2.00	1
06-509	6	TONG HEAD PIN	3	1.50	3
06-516	7	3/16" x 1 1/2" SPRING LOCK	8	.04	8
06-510	8	TONG DIE BUSHING	6	.12	24
06-511	9	TONG DIE SCREW	6	.06	48
06-112		TONG ROLLOVER HANGER ASSEMBLY	1	16.00	
06-113	10	TONG HANGER	1	13.00	
06-155	11	1/2" x 2 1/2" HEX HEAD CAP SCREW	1 or 2	.15	2
06-156	12	1/2" HEX NUT	1 or 2	.08	2
06-114	13	ROLLOVER BLOCK	1	2.50	
06-115		ROLLOVER LOCK PIN	1	.38	

DIES FOR K-50 REFER TO PAGE 54

*RECOMMENDED SPARE PARTS FOR 1 YEAR OPERATION

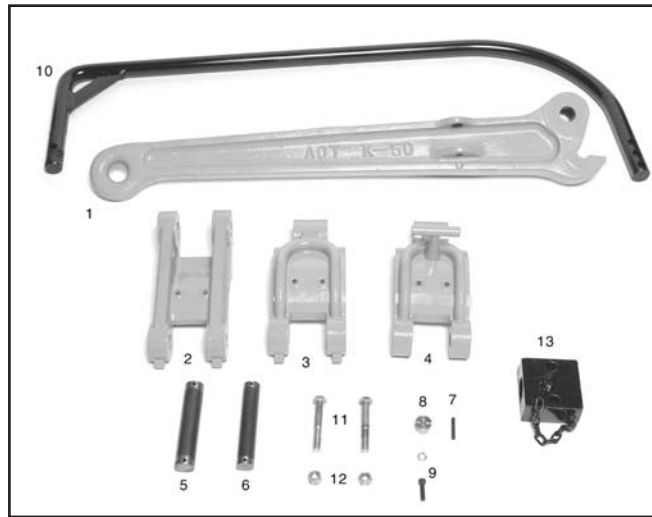
RECOMMENDED DIES FOR 1 YEAR ORDER 3 FOR EACH SIZE PIPE TO BE RUN
TONG ROLLOVER HANGER ASSY. CONSISTS OF: TONG HANGER, ROLLOVER BLOCK,
LOCK PIN AND ALL BOLTS & NUTS

AOT “K-50 HT” MANUAL TONG



The AOT K-50 HT Manual Tong is designed for heavy duty service for tubing & casing. It has a size range of 2 3/8" – 5" OD with a 15,000 ft.-lb. maximum torque rating. It has a wrap-around design with approximately 300° die contact to prevent cutting or crushing of thin wall pipe. All tongs are pull tested and complete documentation is available.

AOT#	DESCRIPTION	WT.
06-605	K-50 HT TONG ASSY. COMPLETE LESS HANGER & DIES	82
06-606	K-50 HT TONG ASSY. COMPLETE LESS DIES WITH STD. HANGER	98
06-607	K-50 HT TONG ASSY. COMPLETE LESS DIES W/ROLLOVER HANGER	100



REPLACEMENT PARTS FOR “K-50 HT” MANUAL TONGS

AOT#	ITEM #	DESCRIPTION	# REQ.	WT.	*SPARES
06-704	1	K-50 HT – K-70 TONG HANDLE	1	40.00	
06-601	2	K-50 HT HANDLE JAW	1	14.00	
06-602	3	K-50 HT CENTER JAW	1	13.00	
06-603	4	K-50 HT LATCH JAW	1	13.00	
06-708	5	TONG HANDLE PIN	1	.75	1
06-508	6	TONG HEAD PIN	3	.50	3
06-516	7	3/16" X 1 1/2" SPRING LOCK	8	.04	8
06-510	8	TONG DIE BUSHING	6	.12	24
06-511	9	TONG DIE SCREW	6	.06	48
06-112		TONG ROLLOVER HANGER ASSY.	1	16.00	
06-113	10	TONG HANGER	1	13.00	
06-155	11	1/2" X 2 1/2" HEX HEAD CAP SCREW	1 OR 2	.15	2
06-156	12	1/2" HEX NUT	1 OR 2	.08	2
06-114	13	ROLLOVER BLOCK	1	2.50	
06-115		ROLLOVER LOCK PIN	1	.38	

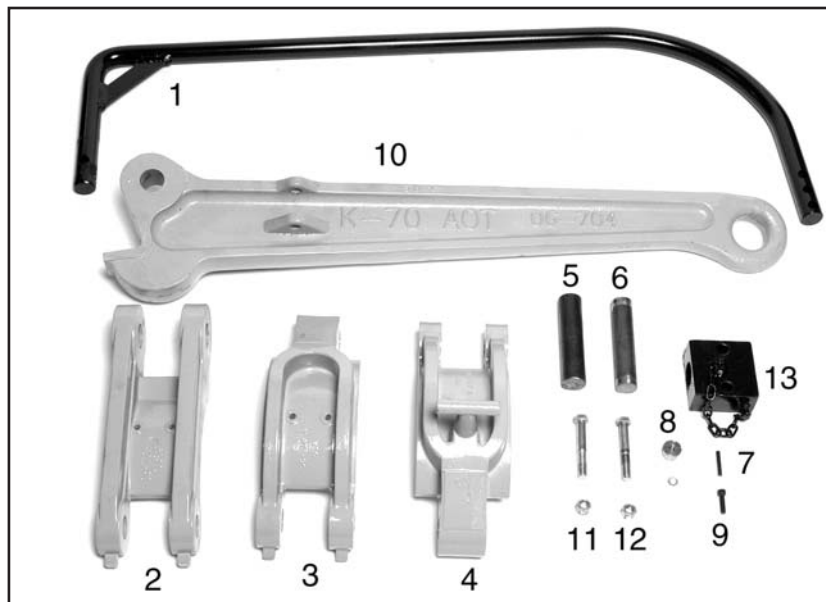
DIES FOR K-50 HT SAME AS K-50 DIES PAGE 54

AOT “K-70” MANUAL TONG



The AOT K-70 Manual Tong is designed for heavy duty service for tubing & casing. It has a size range of 3 1/2" - 7" OD with a 12,500 ft.-lb. maximum torque rating. It has a wrap-around design with approximately 300° die contact to prevent cutting or crushing of thin wall pipe. All tongs are pull tested and complete documentation is available.

AOT#	DESCRIPTION	WT.
06-701	K-70 TONG ASSY. COMPLETE LESS HANGER & DIES	82
06-702	K-70 TONG ASSY. COMPLETE LESS DIES WITH STD. HANGER	98
06-703	K-70 TONG ASSY. COMPLETE LESS DIES W/ROLLOVER HANGER	100



REPLACEMENT PARTS FOR “K-70” MANUAL TONGS

AOT#	ITEM #	DESCRIPTION	# REQ.	WT.	*SPARES
06-704	1	K-70 TONG HANDLE	1	40.00	
06-705	2	K-70 HANDLE JAW	1	14.00	
06-706	3	K-70 CENTER JAW	1	13.00	
06-707	4	K-70 LATCH JAW	1	13.00	
06-708	5	TONG HANDLE PIN	1	.75	
06-508	6	TONG HEAD PIN	3	.50	
06-516	7	3/16" X 1 1/2" SPRING LOCK	8	.04	
06-510	8	TONG DIE BUSHING	6	.12	
06-511	9	TONG DIE SCREW	6	.06	
06-112		TONG ROLLOVER HANGER ASSY.	1	16.00	
06-113	10	TONG HANGER	1	13.00	
06-155	11	1/2" X 2 1/2" HEX HEAD CAP SCREW	1 OR 2	.15	
06-156	12	1/2" HEX NUT	1 OR 2	.08	
06-114	13	ROLLOVER BLOCK	1	2.50	
06-115		ROLLOVER LOCK PIN	1	.38	

DIES FOR "K-70" TONGS

AOT#	DESCRIPTION	# REQ.	WT.
06-758	K-70 - 3 1/2"	3	13.25
06-757	K-70 - 4"	3	12.00
06-756	K-70 - 4 1/2"	3	10.50
06-755	K-70 - 4 3/4"	3	10.25
06-754	K-70 - 5"	3	9.50
06-753	K-70 - 5 1/2"	3	8.00
06-759	K-70 - 5 3/4"	3	7.25
06-752	K-70 - 6"	3	6.25
06-751	K-70 - 6 5/8"	3	4.75
06-750	K-70 - 7"	3	3.00

DIES FOR "K-20", "K-25", "K-30", "K-50" & "K-50HT" TUBING TONGS

AOT#	DESCRIPTION	REF.#	# SET	WT.
04-119	K-20 - 3/4" (1.050")	8527-5056-01	3	1.13
04-120	K-20 - 1" (1.315")	8527-5058-01	3	1.07
04-121	K-20 - 1-1/4" (1.660")	8527-5061-01	3	.94
04-122	K-20 - 1-1/2" (1.900")	8527-5064-01	3	.75
04-123	K-20 - 2-1/16"	8527-5066-01	3	.63
04-124	K-20 - 2-3/8"	8527-5068-01	3	.41
05-129	K-25 - 3/4" (1.050")	N/A	3	1.75
05-120	K-25 - 1" (1.315")	8527-5070-01	3	1.63
05-121	K-25 - 1-1/4" (1.660")	8527-5071-01	3	1.50
05-122	K-25 - 1-1/2" (1.900")	8527-5072-01	3	1.32
05-123	K-25 - 2-1/16"	8527-5074-01	3	1.30
05-124	K-25 - 2-3/8"	8527-5075-01	3	1.25
05-125	K-25 - 2-1/2"	8527-5076-01	3	.95
05-126	K-25 - 2.697"	8527-5077-01	3	.63
05-127	K-25 - 2.776"	N/A	3	.55
05-128	K-25 - 2-7/8"	8527-5078-01	3	.58
06-132	K-30 - 3/4"	N/A	3	5.50
06-136	K-30 - 1"	N/A	3	5.25
06-133	K-30 - 1-1/4" (1.660")	N/A	3	5.00
06-134	K-30 - 1-1/2" (1.900")	N/A	3	4.60
06-119	K-30 - 2-1/16"	8527-5081-01	3	4.10
06-120	K-30 - 2-3/8"	8527-5083-01	3	3.80
06-121	K-30 - 2-7/8"	8527-5086-01	3	3.10
06-135	K-30 - 3"	N/A	3	3.00
06-122	K-30 - 3-1/16"	8527-5087-01	3	2.80
06-123	K-30 - 3-1/8"	N/A	3	2.75
06-124	K-30 - 3-1/4"	8527-5086-01	3	2.50
06-130	K-30 - 3-3/8"	N/A	3	2.40
06-125	K-30 - 3-1/2"	8527-5090-01	3	2.10
06-126	K-30 - 3.668"	8527-5091-01	3	1.70
06-127	K-30 - 3-3/4"	8527-5092-01	3	1.50
06-131	K-30 - 3-7/8"	N/A	3	1.40
06-128	K-30 - 4-1/8"	8527-5094-01	3	.80
06-575	K-50 & K-50HT - 2-7/8"	N/A	3	6.33
06-576	K-50 & K-50HT - 3-1/2"	N/A	3	5.33
06-577	K-50 & K-50HT - 3-3/4"	N/A	3	4.74
06-578	K-50 & K-50HT - 4"	N/A	3	4.15
06-579	K-50 & K-50HT - 4-1/8"	N/A	3	4.05
06-580	K-50 & K-50HT - 4-1/2"	N/A	3	3.50
06-581	K-50 & K-50HT - 4-3/4"	N/A	3	2.92
06-582	K-50 & K-50HT - 5"	N/A	3	2.33
06-583	K-50 & K-50HT - 5-1/2"	N/A	3	1.17

AOT TYPE "C" SAFETY CLAMP



The AOT Type "C" Safety Clamp is one of the most valuable tools on the Rig Floor. It helps guard against dropping flush-joint pipe, streamlined drill collars, etc. into the hole while making-up or breaking-out the string. These clamps are ideal as an emergency elevator shoulder for lifting prepacked gravel liners, flush-joint pipe, twisted-off fish and similar items which have no shoulders for attaching conventional elevators. The Type "C" Safety Clamp can be used as a "Slip and Elevator" combination when running large diameter surface casing or used for simplified handling of drilling risers and casing heads during installation. Literally, it has dozens of money and time-saving applications in oilfield work, in addition to giving increased protection against fishing jobs.

The Safety Clamp consists of individual links, flexibly hinged together. Each link has a separate tapered slip which acts as a gripping member, much like a tapered rotary slip, and each slip is held in a retracted position on the taper by spring tension. When the clamp is tightened, each small slip take a firm initial grip on the surface of the pipe. Should the pipe start to fall, or should load increase occur against the slips, the taper mounting causes each slip to wedge tighter against the surface of the pipe to increase the grip or lock the pipe against further movement.

Gripping pressure is always uniform around the pipe so there is little danger of crushing thin-walled pipe or damaging the pipe surface. And, since each link, complete with tapered slip, is interchangeable as a unit, the Safety Clamp is readily adaptable to virtually any diameter. Each link changes the effective gripping diameter of the clamp one inch. All parts are made of alloy steel, heat-treated for strength and gripping ability.

CLAMPS WITH HANDLES & WRENCH

TYPE "CR" (SINGLE SCREW)

AOT #	RANGE O.D. SIZE	REFERENCE	#LINK REQ'D	WT.
12-127	3 3/4" - 4 5/8"	7624-5055	7	46.00
12-128	4 1/2" - 5 5/8"	7624-5056	8	55.00
12-129	5 1/2" - 6 5/8"	7624-5057	9	60.00
12-130	6 1/2" - 7 5/8"	7624-5058	10	64.00
12-131	7 1/2" - 8 5/8"	7624-5059	11	69.00
12-132	8 1/2" - 9 5/8"	7624-5060	12	73.00
12-133	9 1/2" - 10 5/8"	7624-5061	13	78.00

TYPE "CL" (SINGLE SCREW)

12-134	10 1/2" - 11 5/8"	7624-5062	14	82.00
12-135	11 1/2" - 12 5/8"	7624-5063	15	87.00
12-136	12 1/2" - 13 5/8"	7624-5064	16	91.00
12-137	13 1/2" - 14 5/8"	7624-5065	17	115.00
12-138	14 1/2" - 15 5/8"	7624-5066	18	119.00

TYPE "C X L" (DOUBLE SCREW)

12-145	15 1/2" - 17"	7624-5084	18	121.00
12-146	16 1/2" - 18"	7624-5085	19	125.00
12-147	17 1/2" - 19"	7624-5086	20	129.00
12-148	18 1/2" - 20"	7624-5087	21	134.00
12-148	19 1/2" - 21"	7624-5088	22	139.00

ADD - "B" TO END OF PART NUMBER TO INCLUDE BOX

CLAMPS WITH LIFTING CLEVIS

TYPE "CL" (SINGLE SCREW)

AOT #	RANGE O.D. SIZE	REFERENCE	#LINK REQ'D	WT.
12-150	10 1/2" - 11 5/8"	7624-5072	14	85.00
12-151	11 1/2" - 12 5/8"	7624-5073	15	89.00
12-152	12 1/2" - 13 5/8"	7624-5074	16	94.00
12-153	13 1/2" - 14 5/8"	7624-5075	17	99.00
12-154	14 1/2" - 15 5/8"	7624-5076	18	104.00

TYPE "C X L" (DOUBLE SCREW)

12-155	15 1/2" - 17"	7624-5095	18	114.00
12-156	16 1/2" - 18"	7624-5096	19	119.00
12-157	17 1/2" - 19"	7624-5097	20	124.00
12-158	18 1/2" - 20"	7624-5098	21	129.00
12-159	19 1/2" - 21"	7624-5099	22	135.00
12-160	21 1/2" - 23"	N/A	24	145.00
12-161	24 1/2" - 26"	N/A	27	171.00
12-162	29 1/2" - 31"	7624-5100	32	191.00
12-163	35 1/2" - 37"	7624-5101	38	219.00
12-164	41 1/2" - 43"	7624-5102	44	256.00

ADD -B TO END OF PART # TO INCLUDE BOX

REPLACEMENT PARTS FOR TYPE "C" SAFETY CLAMP

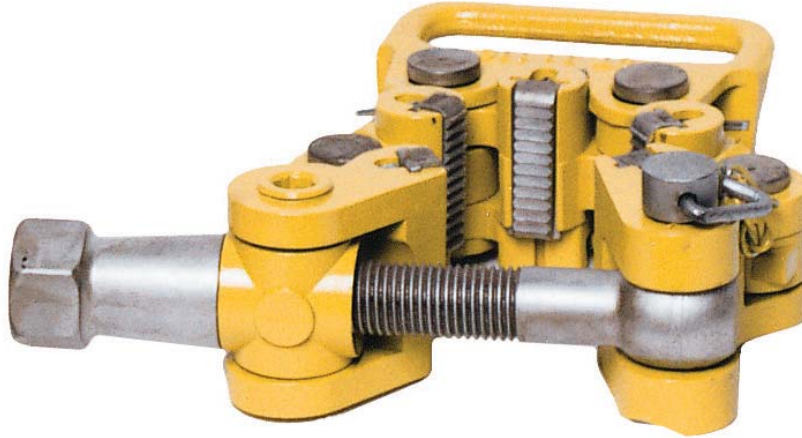


AOT #	ITEM	DESCRIPTION	REFERENCE #	** SPARES	WT.
12-101	1	LINK ASSY. COMPLETE	7624-A-7		5.00
12-102	2	LINK INTERMEDIATE	7624-A-1	6	3.75
12-103	3	INSERT w/COTTER	7624-A-4	1 SET	1.12
12-104	5	COTTER f/INSERT	900620-65		.06
12-105	4	SPRING f/INSERT	7624-E-5	1 SET	.06
11-106	6	LINK PIN w/COTTER	7624-C-5	6	.75
11-107	7	COTTER f/LINK PIN	900620-36		.06
11-108	8	END LINK (SCREW)	7624-A-3		4.50
11-109	9	END LINK (PIVOT BLOCK)	7624-A-24		3.50
11-110	10	END LINK PIN w/CHAIN	7624-F-5	1	1.25
11-111	11	SCREW	7624-A-5		4.00
11-112	12	NUT	7624-B-5		1.50
11-113	13	PIVOT BLOCK	7624-A-5000		1.50
11-114	14	PIVOT BLOCK PIN	7624-D-5		.25
11-115	15	NUT WRENCH	7624-A-25		4.00
11-116	16	HANDLE (CAST STEEL)	7624-A-6		3.00
11-117	17	HANDLE LINK PIN w/COTTER	7624-G-5		.75
11-118	18	HANDLE KIT	7624-A-5135		4.00
11-119	19	PIVOT BLOCK PIN WRENCH	900533-12		.25
11-120		SAFETY CLAMP BOX	7624-A-9		45.00
12-119		LIFTING CLEVIS COMPLETE	7624-29		15.00
12-120	21	LIFTING CLEVIS ONLY	7624-A-29		9.00
12-121	21	CLEVIS PIN & NUT	7624-A-30		2.50

ALL PARTS ARE INTERCHANGEABLE WITH BAASH-ROSS® TYPE "C" SAFETY CLAMPS

** RECOMMENDED SPARE PARTS FOR 1 YEARS SERVICE

AOT TYPE "T" SAFETY CLAMP



The AOT Type "T" Safety Clamp is designed for small diameter pipe 1 1/8" - 4 1/2" O.D. Each link changes the effective working range approximately 1" in diameter. For sizes larger than 4 1/2" O.D., the Type "C" Safety Clamp should be used.

The same positive automatic gripping principle is used as in the Type "C" Safety Clamp. It is ideal to help safeguard against dropping strings of flush joint tubing, to provide a shoulder to position strings of flush line pipe for welding, and many other applications.

SAFETY CLAMP ASSEMBLIES COMPLETE - TYPE "T"

AOT #	RANGE O.D. SIZE	REFERENCE	#LINK REQ'D	WT.
11-125	1 1/8" - 2"	7624-5103	4	36.00
11-126	2 1/8" - 3 1/4"	7624-5104	5	40.00
11-127	3 1/2" - 4 1/2"	7624-5105	6	44.00

ADD -B TO END OF PART NUMBER TO INCLUDE BOX

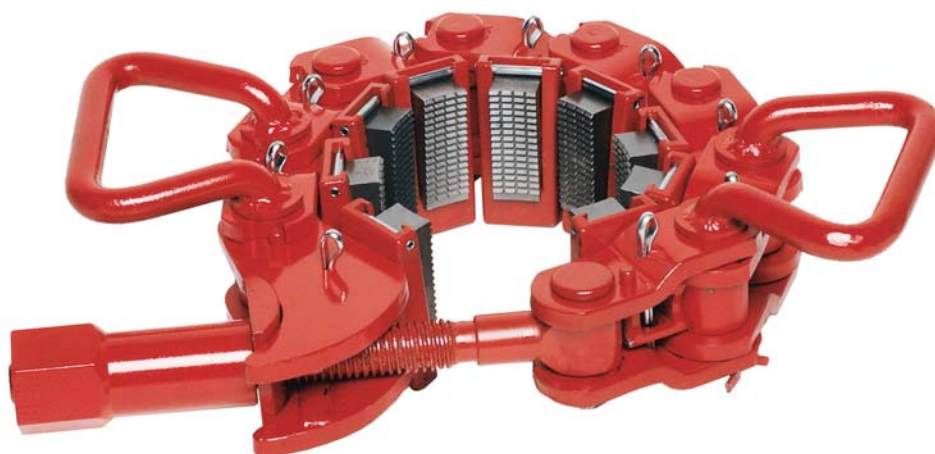
REPLACEMENT PARTS FOR TYPE "T" SAFETY CLAMP



AOT #	ITEM	DESCRIPTION	REFERENCE #	** SPARES	WT.
11-101	1	LINK ASSY. COMPLETE	7624-B-7		4.25
11-102	2	LINK INTERMEDIATE	7624-A-18	3	3.25
11-103	3	INSERT w/COTTER	7624-A-21	6	.25
11-104	4	COTTER f/INSERT	900620-52		.06
11-105	5	SPRING f/INSERT	7624-B-21	6	.06
11-106	6	LINK PIN w/COTTER	7624-C-5	3	.75
11-107	7	COTTER f/LINK PIN	900620-36		.06
11-108	8	END LINK (SCREW)	7624-A-20		4.50
11-109	9	END LINK (PIVOT BLOCK)	7624-A-19		3.50
11-110	10	END LINK PIN w/CHAIN	7624-F-5	1	1.25
11-111	11	SCREW	7624-A-5		4.00
11-112	12	NUT	7624-B-5		1.50
11-113	13	PIVOT BLOCK	7624-A-5000		1.50
11-114	14	PIVOT BLOCK PIN	7624-D-5		.25
11-115	15	NUT WRENCH	7624-A-25		4.00
11-116	16	HANDLE (CAST STEEL)	7624-A-22		3.00
11-117	17	HANDLE LINK PIN w/COTTER	7624-G-5		.75
11-118	18	HANDLE KIT	7624-A-5138		4.00
11-119	19	PIVOT BLOCK PIN WRENCH	900533-12		.12
11-120	N/P	SAFETY CLAMP BOX	7624-A-9		45.00
11-121	N/P	1 YEAR SPARE PARTS KIT	N/A	1	13.00

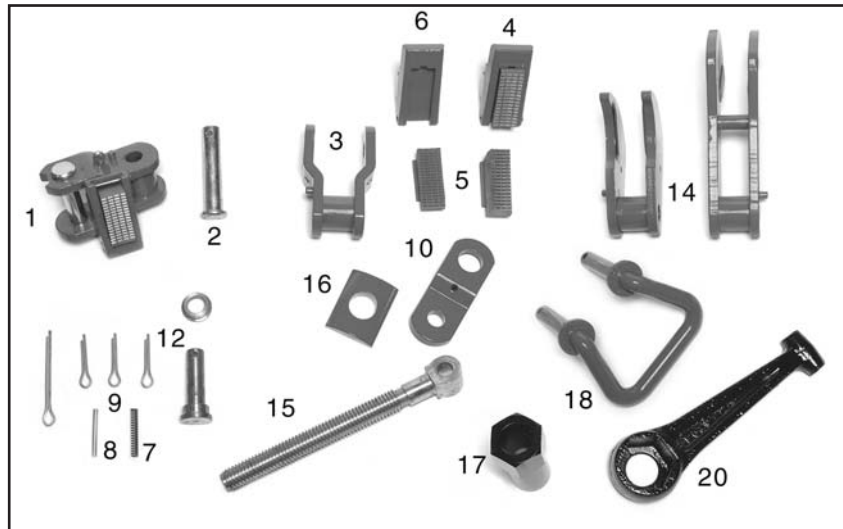
ALL PARTS ARE INTERCHANGEABLE WITH BAASH-ROSS® TYPE "T" SAFETY CLAMPS
 ** RECOMMENDED SPARE PARTS FOR 1 YEARS SERVICE

AOT TYPE "A-MP" SAFETY CLAMPS



AOT #	RANGE	REFERENCE #	# LINKS	GRIPPING DIES	WT.
A-MP-S					
31-009	2 7/8" - 4 1/8"	33030	7	8	128.00
31-010	4" - 5"	33031	8	9	133.00
A-MP-R					
31-011	4 1/2" - 5 5/8"	33011	7	8	120.00
31-012	5 1/2" - 7"	33012	8	9	130.00
31-013	6 3/4" - 8 1/4"	33013	9	10	138.00
31-014	8" - 9 1/4"	33014	10	11	147.00
31-015	9 1/4" - 10 1/2"	33015	11	12	155.00
A-MP-M					
31-016	10 1/2" - 11 1/2"	33016	12	13	163.00
31-017	11 1/2" - 12 1/2"	33017	13	14	171.00
31-018	12 1/2" - 13 5/8"	33018	14	15	179.00
31-019	13 5/8" - 14 3/4"	33019	15	16	187.00
31-020	14 3/4" - 15 7/8"	31020	16	17	195.00
A-MP-L					
31-021	15 7/8" - 17"	33021	17	18	215.00
31-022	17" - 18 1/2"	33022	18	19	223.00
31-023	18 1/8" - 19 3/8"	33023	19	20	231.00
A-MP-XL					
31-024	19 3/8" - 20 3/8"	33024	19	20	280.00
31-025	20 3/8" - 21 1/2"	33025	20	21	288.00
31-032	21" - 22 5/8"	33032	21	22	296.00
31-033	22 5/8" - 23 3/4"	33033	22	23	304.00
31-034	23 3/4" - 24 7/8"	33034	23	24	312.00
31-035	24 7/8" - 26"	33035	24	25	320.00
31-036	26" - 27 1/8"	33036	25	26	328.00
31-039	29 3/8" - 30 1/2"	33039	28	29	336.00

REPLACEMENT PARTS FOR “A-MP” TYPE SAFETY CLAMPS



AOT #	ITEM #	DESCRIPTION	CLAMP TYPE	REF.	# QTY.	WT.
31-335	1	LINK COMPLETE	MP-S ONLY	3335	AR	9.00
31-319	1	LINK COMPLETE	ALL EXCEPT MP-S	3319	AR	8.75
31-307	2	PIN, FOR LINK (w/COTTER)	ALL	3307	AR	.75
31-306	3	LINK (W/COTTER)	ALL	3306	AR	4.50
31-325	4	CARRIER ASSY. (w/DIE)	MP-S ONLY	3325	AR	3.00
31-324	4	CARRIER ASSY. (w/DIE)	ALL EXCEPT MP-S	3324	AR	2.50
31-333	5	DIE (w/COTTER)	MP-S ONLY	3333	AR	1.50
31-310	5	DIE (w/COTTER)	ALL EXCEPT MP-S	3310	AR	1.00
31-309	6	CARRIER (LESS DIE)	ALL	3309	AR	2.50
31-311	7	SPRING	ALL	3311	AR	.10
31-418	8	ROLL PIN (DIE KEEPER)	ALL	51604-18	AR	.10
31-528	9	COTTER PIN (f/CARRIER)	ALL	51405-28	AR	.18
31-318	10	SIDE BAR LINKS (PAIR)	ALL	3318	AR	2.50
31-304	11	LATCH LINK	ALL EXCEPT MP-XL	3304	1	7.00
31-321	11	LATCH LINK	MP-XL ONLY	3321	1	14.00
31-308	12	PIN FOR SCREW, (w/COTTER)	ALL	3308	1	.50
31-315	13	BUSHING F/SCREW PIN	ALL	3315	1	.33
31-510	14	COTTER F/LINK PIN	ALL	51405-10	AR	.08
31-302	15	SCREW	ALL	3302	1	5.25
31-714	16	THRUST WASHER	ALL	2714	1	1.00
31-303	17	NUT F/SCREW	ALL	3303	1	3.50
31-305	18	HANDLE	MP-S,MP-R, & MP-M	3305	2	4.50
31-305	18	HANDLE	MP-L & MP-XL	3305	4	4.50
31-316	N/P	HOLD DOWN LUG	SEE ITEM 18	3316	OPT.	5.75
31-317	19	LIFTING EYE	SEE ITEM 18	3317	OPT.	4.75
31-320	20	NUT WRENCH	ALL	3320	1	5.00

RECOMMENDED SPARE PARTS FOR 1 YEAR FOR “A-MP” TYPE CLAMPS

AOT #	DESCRIPTION	A-MP-S	A-MP-R	A-MP-M	A-MP-L	A-MP-XL
31-008	DIE W/COTTER	4				
31-310	DIE W/COTTER		6	8	10	13
31-311	SPRING	9	12	17	20	26
31-528	PIN W/COTTER	4	6	8	10	13
31-418	ROLL PIN	9	12	17	20	26

AOT INSERT BOWLS

Insert Bowl No. 1



Insert Bowl No. 2

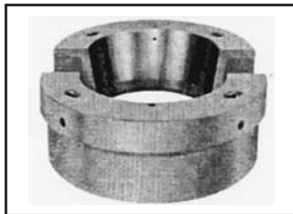


Insert Bowl No. 3



AOT #	DESCRIPTION	REFERENCE #	WT.
34-101	INSERT BOWL NO. 1 FOR 13 3/8" - 11 3/4" CASING (23" - 27 1/2" MASTER BUSHINGS)	1903	326
34-102	INSERT BOWL NO. 2 FOR 10 3/4" - 9 5/8" CASING (23" - 27" MASTER BUSHINGS)	1904	460
34-103	INSERT BOWL NO. 3 FOR 8 5/8" & SMALLER (23" - 27 1/2" MASTER BUSHINGS)	1810	664
34-301	INSERT BOWL NO. 1 FOR 13 3/8" - 11 3/4" CASING (37 1/2" - 49 1/2" MASTER BUSHINGS)	6610	335
34-302	INSERT BOWL NO. 2 FOR 10 3/4" - 9 5/8" CASING (37 1/2" - 49 1/2" MASTER BUSHINGS)	6609	470
34-303	INSERT BOWL NO. 3 FOR 8 5/8" & SMALLER (37 1/2" - 49 1/2" MASTER BUSHING)	6608	625

AOT CASING BUSHINGS



CB



CUL

AOT #	DESCRIPTION	REFERENCE #	WT.
34-401	20" CB BUSHING FOR ALL 27 1/2" API ROTARY TABLES (SPLIT)	6695	713
34-418	20" CUL BUSHING FOR ALL 27 1/2" API ROTARY TABLES (SOLID)	3103	975
34-405	20" CB BUSHING FOR 37 1/2" - 49 1/2" NATIONAL ROTARY TABLES	10187	1600
34-411	24" CB BUSHING FOR 37 1/2" - 49 1/2" NATIONAL ROTARY TABLES	11253	1200
34-412	26" CB BUSHING FOR 37 1/2" - 49 1/2" NATIONAL ROTARY TABLES	16454	1100
34-404	30" CB BUSHING FOR 37 1/2" - 49 1/2" NATIONAL ROTARY TABLES	11763	1100
34-406	20" CB BUSHING FOR 37 1/2" - 49 1/2" OILWELL, WIRTH, & GARDNER-DENVER	10188	1670
34-422	24" CB BUSHING FOR 37 1/2" - 49 1/2" OILWELL, WIRTH, & GARDNER-DENVER	6170	1400
34-421	26" CB BUSHING FOR 37 1/2" - 49 1/2" OILWELL, WIRTH, & GARDNER-DENVER	6170-26	1250
34-420	30" CB BUSHING FOR 37 1/2" - 49 1/2" OILWELL, WIRTH, & GARDNER-DENVER	12093	1150
34-407	20" CB BUSHING FOR 37 1/2" - 49 1/2" IDECO ROTARY TABLES	10189	1670
34-424	26" CB BUSHING FOR 37 1/2" - 49 fi" IDECO ROTARY TABLES	N/A	1160
34-423	30" CB BUSHING FOR 37 fi" - 49 fi" IDECO ROTARY TABLES	12092 MTO	1100
34-408	20" CB BUSHING FOR 37 1/2" - 49 1/2" EMSCO (S/N 49 AND UP)	11553	1600
34-419	30" CB BUSHING F/37 1/2" - 49 1/2" EMS CO ROTARY TABLE (S/N 49 AND UP)	11633	1160

AOT REDUCING BUSHINGS FOR CB & CUL

AOT #	DESCRIPTION	REFERENCE #	WT.
34-409	20" X 16" REDUCING BUSHING FOR CB BUSHING	6127	570
34-410	13 3/8" - 11 3/4" NO. 1 INSERT BOWL FOR CB BUSHING	6126	900
34-416	10 3/4" - 9 5/8" NO. 2 INSERT BOWL FOR CB BUSHING	6114	252
34-417	20" X 16" REDUCING BUSHING FOR CUL BUSHING	3104	562
34-413	13 3/8" - 11 3/4" NO. 1 INSERT BOWL FOR CUL BUSHING	3105	846
34-414	10 3/4" - 9 5/8" NO. 2 INSERT BOWL FOR CUL BUSHING	1902	242
34-415	8 5/8" & SMALLER NO. 3 INSERT BOWL FOR CUL BUSHING	1809	464

ACCESSORIES

AOT #	DESCRIPTION	REFERENCE #	WT.
34-315	LIFTING SLINGS (2 HOOK)	1021	40
34-316	LIFTING SLINGS (4 HOOK)	6699	150

“4-KSM” MEDIUM DUTY KELLY BUSHING



The AOT 4 KSM Kelly Bushing is a medium duty square drive bushing. It will accommodate 2 1/2" - 5 1/4" square or 3" - 4 1/4" Hexagonal Kellys.

KELLY SIZE TYPE	“4 KSM” COMPLETE W/WRENCH & WIPER	WT.	REF NO.
3" HEX	33-230	860	1402-30
3 1/2" HEX	33-235	860	1402-35
4 1/4" HEX	33-242	860	1402-42
2 1/2" SQUARE	33-125	870	1401-25
3" SQUARE	33-130	870	1401-30
3 1/2" SQUARE	33-135	870	1401-35
4 1/4" SQUARE	33-142	870	1401-42
5 1/4" SQUARE	33-152	870	1401-52

REPLACEMENT PARTS FOR “4-KSM” KELLY BUSHING

DESCRIPTION	AOT#	QTY.	WT.	SPARES	REF.#
BODY ASSY. COMP. LESS ROLLER ASSY.	33-403	1	615.00		1403
STUD	33-414	4	5.00		1414
HOLDDOWN BOLT NUT	33-208	4	1.75		1208
HOLDDOWN BOLT LOCKWASHER	33-924	4	.25		50924
WRENCH	32-210	1	8.00		1210
WIPER RET. RING	33-417	1	8.75		1417
SCREWS f/ RING	33-106	8	.16		50106-8-SD
ROLLER PIN w/ LUBE FITTING	33-411	4	8.00	4	1411
ROLLER BEARING	33-412	4	3.00	4	1412
THRUST WASHER	33-413	8	2.00	8	1413
SLEEVE BEARING	33-422	4	1.00	4	1422

ROLLERS & WIPERS FOR “4-KSM” KELLY BUSHINGS

KELLY SIZE TYPE	ROLLER ASSY.	WT.	ROLLERS ONLY	WT.	V ROLLER	FLAT ROLLER	WIPER
3" HEX	33-450	235	33-738	175	33-438	33-437	33-125
3 1/2" HEX	33-451	215	33-940	160	33-440	33-439	33-126
4 1/4" HEX	33-452	190	33-294	135	33-442	33-441	33-127
2 1/2" SQUARE	33-445	245	33-304	185		33-430	33-117
3" SQUARE	33-446	230	33-314	170		33-431	33-118
3 1/2" SQUARE	33-447	205	33-324	145		33-432	33-119
4 1/4" SQUARE	33-448	175	33-334	115		33-433	33-120
5 1/4" SQUARE	33-449	135	33-344	75		33-434	33-121

*RECOMMENDED SPARES INCLUDE ONE SET OF ROLLERS FOR EACH SIZE TO BE RUN
 *RECOMMENDED SPARES INCLUDE TWO WIPER RUBBERS FOR EACH SIZE KELLY TO BE RUN

ROLLERS & WIPERS FOR “27-HPD” & “HSD” KELLY BUSHINGS

KELLY SIZE TYPE	ROLLER ASSY.	WT.	ROLLERS ONLY	WT.	V ROLLER	FLAT ROLLER	WIPER
3" HEX	32-667	615	32-839	420	32-339	32-338	32-107
3 1/2" HEX	32-668	585	32-041	390	32-341	32-340	32-108
4 1/4" HEX	32-669	535	33-243	340	32-343	32-342	32-109
5" SPEC HEX	32-671	485	32-788	295	32-388	32-387	32-110
5 1/4" HEX	32-672	475	32-445	290	32-345	32-329	32-111
6" HEX	32-673	415	32-647	220	32-347	32-330	32-112
3" SQUARE	32-674	590	32-314	400		32-331	32-100
3 1/2" SQUARE	32-661	565	33-324	370		32-332	32-101
4 1/4" SQUARE	32-662	515	32-334	320		32-333	32-102
5 1/4" SQUARE	32-665	435	32-344	245		32-335	32-103
6" SQUARE	32-666	375	32-354	180		32-336	32-104

* RECOMMENDED SPARES INCLUDE ONE SET OF ROLLERS FOR EACH SIZE TO BE RUN
 *RECOMMENDED SPARES INCLUDE TWO WIPER RUBBERS FOR EACH SIZE OF KELLY TO BE RUN

“27-HPD” PIN DRIVE & “HSD” SQUARE DRIVE KELLY BUSHINGS



The AOT HS and HP series of Kelly Drive Bushings are designed for rugged high torque, high speed drilling operations. They will accommodate 3" Hex thru 6" Square Kellys. The 27-HPD bushing fits 22" - 49 1/2" pin drive master bushings. The HSD bushing fits square drive master bushings.

KELLY SIZE / TYPE	“27-HPD” COMPLETE w/WRENCH & WIPER		REF NO.	“HSD” COMPLETE		REF NO.
	PART NO.	WT.		PART NO.	WT.	
3" HEX	32-030	1445	3650-30	32-530	1425	3635-30
3 1/2" HEX	32-035	1445	3650-35	32-535	1425	3635-35
4 1/4" HEX	32-042	1445	3650-42	32-542	1425	3635-42
5" HEX	32-050	1445	3650-50	32-550	1425	3635-50
5 1/4" HEX	32-052	1445	3650-52	32-552	1425	3635-52
6" HEX	32-060	1445	3650-60	32-560	1425	3635-60
3" SQUARE	32-130	1500	3651-30	32-630	1475	3636-30
3 1/2" SQUARE	32-135	1500	3651-35	32-635	1475	3636-35
4 1/4" SQUARE	32-142	1500	3651-42	32-642	1475	3636-42
5 1/4" SQUARE	32-152	1500	3651-52	32-652	1475	3636-52
6" SQUARE	32-160	1500	3651-60	32-660	1475	3636-60

REPLACEMENT PARTS FOR “27-HPD” & “HSD” KELLY BUSHINGS

DESCRIPTION	QUANTITY	27-HPD PART NO.	WT.	REF. NO.	HSD PART NO.	WT.	REF NO.
BODY ASSY. COMPLETE LESS ROLLER ASSY.	1	32-653	990.	3653	32-637	900.	3637
HOLDDOWN BOLT w/ LOCKSCREW & WASHER	4	32-501	7.00	13501	32-501	7.00	13501
HOLDDOWN BOLT LOCKSCREW	4	32-500	.23	50110-8-S	32-500	.23	50110-8-S
HOLDDOWN BOLT LOCKWASHER	4	32-510	.08	511110	32-510	.08	51110
HOLDDOWN NUT	4	32-208	1.75	1208	32-208	1.75	1208
LOCKWASHER	4	32-924	.25	50924	32-924	.25	50924
DRIVE PIN	4	32-605	10.00	1605	N/A		
DRIVE PIN WASHER	4	32-506	1.00	1506	N/A		
WRENCH	1	32-210	8.00	1210	32-210	8.00	1210
WIPER RETAINER RING	1	32-321	3.50	1321	SAME		
SCREWS FOR RING	8	32-008	.16	50008-10-S	SAME		
LOCK ASSY. CONSISTS OF		32-695		3695	*SPARES		
RETAINING RING	2	32-017		1017			
DRIVE PIN WASHER	2	32-506		1506			
ECCEN. PIN, HPD LOCK	2	32-696		3696	2		
DRIVE PIN, HPD LOCK	2	32-697		3697			
LOCK, HPD	2	32-698		3698	2		

* RECOMMENDED SPARES FOR ONE YEAR OPERATION

ROLLER ASSEMBLY PARTS, FOR “27-HPD” & “HSD” KELLY BUSHINGS

DESCRIPTION	AOT #	*SPARES	QTY.	WEIGHT	REF. NO.
ROLLER BEARING	32-312	4	4	7.00	1312
SLEEVE BEARING	32-326	4	4	2.00	1326
ROLLER PIN w/LUBE FITTING	32-609	4	4	31.50	3609
THRUST WASHER w/ O-RINGS	32-618	8	8	5.00	3618
DRIVE LOCK PIN f/ THRUSTWASHER	32-613		8	.25	3613
TEMPLATE	32-615		1	.50	3615
LOCK PIN f/ THRUSTWASHER	32-138		8	.20	19138
ID, O-RING					
THRUSTWASHER	32-233	16	16	.50	51300-233-B
OD, O-RING					
THRUSTWASHER	32-255	16	16	1.50	51300-255-B

*RECOMMENDED SPARES FOR ONE YEAR OPERATION

AOT TYPE STABBING GUIDE



The Access Rubber Stabbing Guides allow for quicker, easier stabbing and adds protection from stabbing damage. The self-adjusting latch holds the stabbing guide in place on both new and worn box O.D.'s.

The spring-loaded lever, when triggered, releases the guide for quick removal after stabbing.

STABBING GUIDE COMPLETE

AOT #	O.D. SIZE / CONNECTION	THREAD TYPE	WEIGHT PER FT.	WT.
02-101	3/4" /	CS	1.2# - 1.5#	5.00
02-102	1" /	CS	2.25#	4.50
02-103	1 1/4" /	CS	3.02# - 3.24#	5.50
02-104	1 1/2" /	CS	3.64#	5.50
02-105	2 1/16" /	CS	3.25#	6.50
02-106	2 3/8" /	CS	4.70#	6.00
02-107	2 3/8" /	PH-6	5.95#	6.00
02-108	2 7/8" /	CS	6.5#	7.00
02-109	2 7/8" /	PH-6	7.9#	6.50
02-110	2 7/8" /	PH-6	8.7# (small body)	6.50
02-111	2 7/8" /	PH-6	8.7# (large body)	11.00
02-112	2 7/8" /	8RD	6.5# (small body)	6.50
02-113	2 7/8" /	8RD	6.5# (large body)	10.50
02-114	3 1/2" /	CS	9.3# - 10.3#	10.00
02-115	3 1/2" /	PH-6	12.95#	9.50
02-116	3 1/2" /	IF	4 3/4" (small body)	9.50
02-117	3 1/2" /	IF	4 3/4" (large body)	12.00
02-118	4 1/2" /	CS	12.75#	12.00
02-119	4 1/2" /	PH-6	15.50#	12.00
02-143	4 1/2" /	XH	6 1/4"	14.00
02-144	4 1/2" /	IF	6 1/2"	14.00
02-145	5" /	PH-6	20.3#	14.00
02-146	5 1/2" /	PH-6	23#	14.00

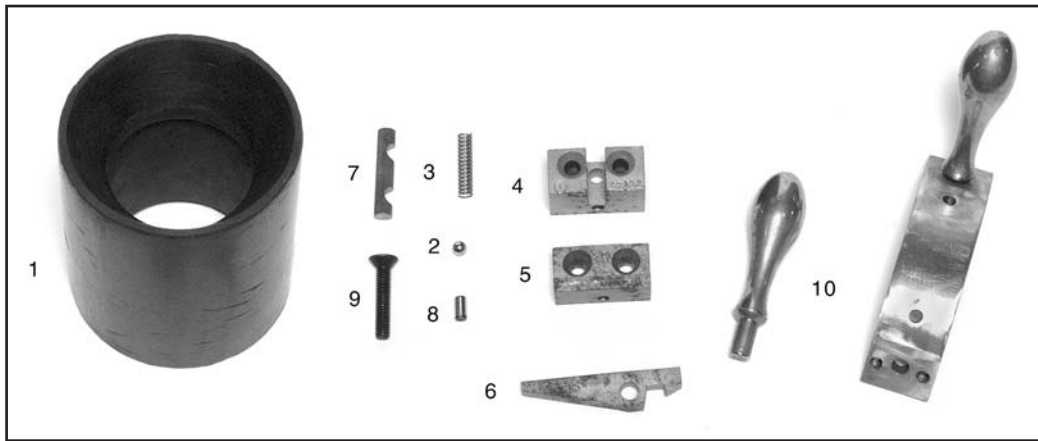
OTHER SIZES AND TYPES OF CONNECTIONS ARE IN STOCK AND AVAILABLE UPON REQUEST.

THERE IS NO CHARGE FOR LABOR ON REPAIRS WHEN USING OUR REPLACEMENT PARTS.



www.accessoiltools.com

REPLACEMENT PARTS FOR STABBING GUIDE



RUBBER BODIES ONLY

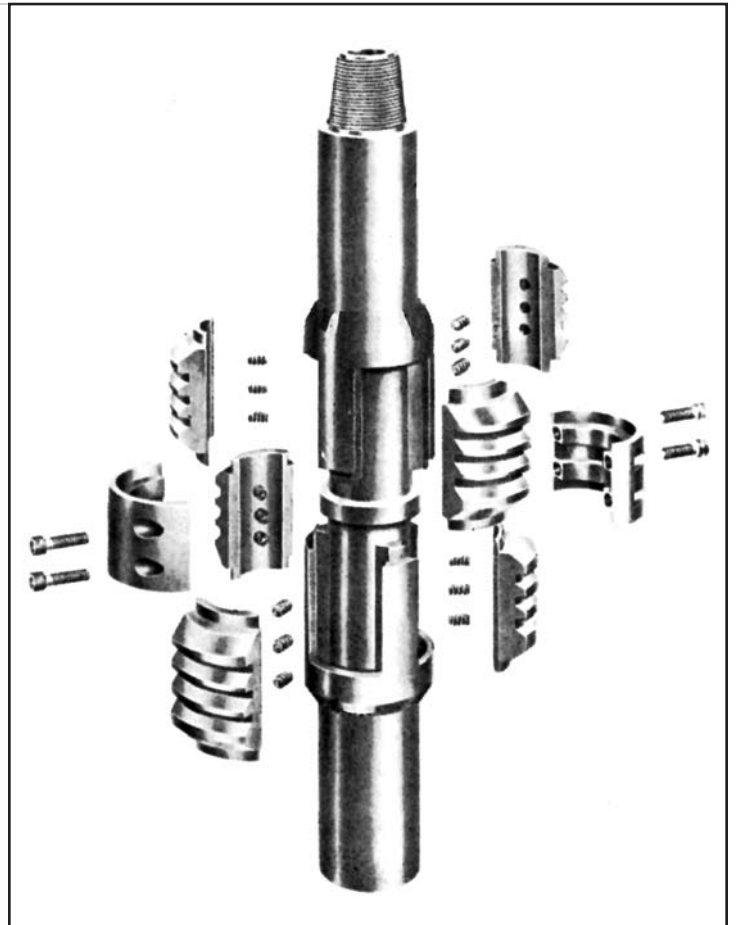
AOT #	O.D. SIZE	CONNECTION / THREAD TYPE	WEIGHT PER FT.	WT.
02-120	3/4"	/ CS	1.2# - 1.5#	1.00
02-121	1"	/ CS	2.25#	1.00
02-122	1 1/4"	/ CS	3.02# - 3.24#	1.50
02-123	1 1/2"	/ CS	3.64#	1.50
02-124	2 1/16"	/ CS	3.25#	3.00
02-125	2 3/8"	/ CS	4.70#	2.50
02-126	2 3/8"	/ PH-6	5.95#	2.50
02-127	2 7/8"	/ CS	6.5#	3.00
02-128	2 7/8"	/ PH-6	7.9#	2.50
02-129	2 7/8"	/ PH-6	8.7# (small body)	2.50
02-130	2 7/8"	/ PH-6	8.7# (large body)	6.00
02-131	2 7/8"	/ 8RD	6.5# (small body)	2.50
02-132	2 7/8"	/ 8RD	6.5# (large body)	5.50
02-133	3 1/2"	/ CS	9.3# - 10.3#	5.50
02-134	3 1/2"	/ PH-6	12.95#	4.50
02-135	3 1/2"	/ IF	4 3/4" (small body)	4.00
02-136	3 1/2"	/ IF	4 3/4" (large body)	7.50
02-137	4 1/2"	/ CS	12.75#	7.50
02-138	4 1/2"	/ PH-6	15.50#	7.50
02-139	4 1/2"	/ XH	6 1/4"	9.00
02-140	4 1/2"	/ IF	6 1/2"	9.00
02-141	5"	/ PH-6	20.3#	9.00
02-142	5 1/2"	/ PH-6	23#	9.00

REPLACEMENT PARTS FOR STABBING GUIDES

AOT #	ITEM	DESCRIPTION	WT.
02-150	2	BEARING	.05
02-151	3	SPRING	.10
02-152	4	HINGE	.50
02-153	5	CATCH	.45
02-154	6	LATCH	.12
02-155	7	HINGE PIN	.13
02-156	8	GUIDE PIN	.05
02-157	9	CAP SCREW (8)	.11
02-158	10	HANDLE	2.00

AOT CASING SCRAPERS

AOT #	CASING O.D.	CONN. SIZE	CASING WEIGHT	BLADE DIAMETER		SCRAPER WEIGHT
				COLLAPSED	EXTENDED	
10-085	2 7/8"	1 13/16" WFJ	6.5	2.347	2.597	26#
10-085-1	3 1/2"	1 13/16" WFJ	9.3	2.797	3.047	24#
10-087	4"	2 3/8" REG.	11.34	3.303	3.678	50#
10-087-1	4 1/2"	2 3/8" REG.	9.5 - 13.5	3.795	4.090	51#
10-110-1	4 1/2" & 5" 23#	2 3/8" REG.	9.5 - 13.5	3.795	4.280	70#
10-110-2	5"	2 3/8" REG.	11.5 - 18	4.151	4.636	72#
10-113	5 1/2"	2 7/8" REG.	13 - 23	4.545	5.233	97#
10-113-4	5 3/4"	2 7/8" REG.	14 - 23	4.960	5.648	98#
10-117-3	6 5/8"	3 1/2" REG.	17 - 32	5.550	6.293	150#
10-117	7"	3 1/2" REG.	17 - 38	5.795	6.538	152#
10-117-1	7 5/8"	3 1/2" REG.	20 - 39	6.500	7.243	158#
10-117-4	8 5/8"	3 1/2" REG.	24 - 49	7.386	8.129	162#
10-123-2	9 5/8"	4 1/2" REG.	29.3 - 53.3	8.379	9.254	354#
10-123-3	10 3/4"	4 1/2" REG.	32.75 - 55.5	9.604	10.479	360#
10-123-5	11 3/4"	4 1/2" REG.	38 - 60	10.616	11.491	375#
10-123-6	13 3/8"	4 1/2" REG.	48 - 72	12-191	13.066	405#
10-127-2	10 3/4"	6 5/8" REG.	32.75-55.5	9.604	10.479	480#
10-127-3	11 3/4"	6 5/8" REG.	38 - 60	10.616	11.491	495#
10-127	13 3/8"	6 5/8" REG.	48 - 72	12.191	13.066	545#
10-128	16"	7 5/8" REG.	65 - 109	14.500	15.697	1100#
10-128-1	20"	7 5/8" REG.	94 - 169	18.188	19.415	1200#



SCRAPER BLADES

AOT #	FOR SCRAPER	SIZE	CSG. WT.	WT. PER SET
10-135	10-085	2 7/8"	6.5#	6.00
10-137	10-085-1	3 1/2"	9.3#	6.70
10-137-1	10-087	4"	11.34#	6.95
10-137-2	10-087-1	4 1/2"	9.5# - 13.5#	7.45
10-140	10-110-1	4 1/2" & 5" 23#	9.5# - 13.5#	11.00
10-141	10-110-2	5"	11.5# - 18#	14.00
10-143	10-113	5 1/2"	13# - 23#	15.00
10-145	10-113-4	5 3/4"	14# - 23#	16.00
10-146	10-117-3	6 5/8"	17# - 32#	23.00
10-147	10-117	7"	17# - 38#	24.00
10-148	10-117-1	7 5/8"	20# - 39#	34.00
10-149	10-117-4	8 5/8"	24# - 49#	46.00
10-153	10-123-2	9 5/8"	29.3# - 53.3#	78.00
10-154	10-123-3	10 3/4"	32.75# - 55.5#	90.00
10-155	10-123-5	11 3/4"	38# - 60#	93.00
10-156	10-123-6	13 3/8"	48# - 72#	110.00
10-157-2	10-127-2	10 3/4"	32.75# - 55.5#	110.00
10-157-3	10-127-3	11 3/4"	38# - 60#	130.00
10-157	10-127	13 3/8"	48# - 72#	160.00
10-157-4	N/A	16"	65# - 109#	195.00
10-158	10-128	16"	65# - 109#	180.00
10-159	10-128-1	20"	94# - 169#	210.00

CENTER RINGS ASSEMBLIES

AOT #	SCRAPER BODY	WT.
10-163	10-085 2 7/8" & 3 1/2"	1.75
10-164	10-087 4" & 4 1/2"	2.00
10-165	10-110 4 1/2" & 5"	3.00
10-166	10-113 5 1/2" & 5 3/4"	4.00
10-167	10-117 6 5/8" - 8 5/8"	7.00
10-168	10-123 9 5/8" - 11 3/4"	21.00
10-169	10-127 10 3/4" - 13 3/8"	30.00
10-170	10-128 16" & 20"	55.00

SPRINGS

AOT #	SCRAPER BODY	QTY.	WT.
10-180	10-085 2 7/8" - 3 1/2"	6	.125
10-181	10-087 4" & 4 1/2"	18	.125
10-175	10-110 - 10-127	30	.125
10-176	10-127 - 10-128 10 3/4" - 20"	40	.165

SCREWS

AOT #	SCRAPER BODY	QTY.	WT.
10-183	10-085 2 7/8" - 3 1/2"	4	.120
10-184	10-087 4" - 4 1/2"	4	.120
10-185	10-110 4 1/2"	4	.130
10-186	10-113 - 10-117	4	.145
10-187	10-123 - 10-127	4	.165
10-188	10-128 16" - 20"	4	.200

TERMS & CONDITIONS

QUOTATIONS - All quotations are F.O.B. Company's point of manufacturing origin, unless otherwise expressly stipulated. Quotations are for immediate order unless a period of time for acceptance is otherwise stated. Lighterage, wharfage or landing charges, dues, duties or any other charges at destination are not included in quotations or indicated by list prices unless specifically stipulated.

List price and discounts on all products are subject to change without notice. Prices in effect at time of shipment or delivery whether higher or lower, will prevail.

TERMS OF PAYMENT - Unless otherwise specifically stated on the invoice, terms of payment are NET THIRTY DAYS following the date of the invoice, subject to approved credit. Payment to be made in U.S. dollars. Boxing, cartage, freight, insurance and handling are always net. Interest at the maximum rate allowable by applicable law may be charged on past due accounts. Access Oil Tools, Inc. (A.O.T., Inc.) reserves the right to revoke credit and suspend delivery if customer fails to make payment of an invoice when due.

DELIVERY - Our responsibility ceases upon delivery to any common carrier, and we do not, unless previously instructed, insure shipments beyond the point of delivery to such carrier.

We make every effort to ship all materials within the time promised by us, but we do not guarantee to do so, and all such promises are subject to delays occasioned by causes beyond reasonable control.

INSURANCE - We will place insurance as nearly as possible in accordance with our customer's written instructions, but do so solely on behalf of our customers and assume no liability for placing, effectiveness or otherwise in connection with such insurance, or in case of breakage, damage or loss.

SHIPPING WEIGHT - All weights listed are approximate net weight only, unless otherwise specified, and do not include boxing. For approximate gross weight add 10% to net weight.

CANCELLATIONS AND RETURNS - Orders for equipment of special design, size or materials are not subject to cancellation and all other orders are subject to a cancellation charge after having been accepted by the prescribed Company office or authority. Equipment altered or made to customers specifications is subject to special prices and conditions.

WARRANTY - A.O.T., Inc. warrants goods of our manufacture for twelve (12) months after date of shipment to be free from any defects in material and workmanship under normal use and service when installed, used and serviced in the manner provided and intended by A.O.T., Inc.. A.O.T.'s obligation under this warranty is limited to repair, or replacement, at its option, if any products manufactured by A.O.T., Inc. are returned F.O.B. our plant and which we determine to be defective.

Under no circumstances shall A.O.T., Inc. be liable for any consequential, special, incidental, punitive or other damages resulting from or caused by any defective materials, products or supplies, no charge for labor, transportation or other expense involved, to either repair allegedly defective goods outside our plant, or any other charge be allowed.

THIS IS THE SOLE WARRANTY OF A.O.T., INC. AND NO OTHER WARRANTY IS APPLICABLE, EITHER EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY AS TO THE MERCHANTABILITY OR FITNESS FOR PARTICULAR USE OR PURPOSE.

CERTIFICATION

Complete data books, including material certification and test documentation, are available on all equipment manufactured by AOT.

PULL & LOAD TESTING

All AOT Elevators, Spiders, and Tongs are pull tested prior to shipment. Load test certificates are supplied with each.

INTERCHANGEABILITY

All AOT Elevators, Slips, Tongs, Spiders, Safety Clamps, Kelly Bushings, & Valves are interchangeable with other corresponding designs.

INVENTORY

We strive to maintain a full inventory of complete assemblies and replacement parts. Most orders can be shipped from stock.

QUALITY CONTROL - CERTIFICATIONS

AOT is licensed under API SPECS. 7K & 8C and is also ISO 9002 certified.

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