

Ramey Martin

2024 Product Catalog



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INTRODUCTION



Ramey Martin is an API Q1 and 7K certified company established in 2009, providing pipe handling equipment, parts, and accessories for the oil and gas industry. With over 100 years of combined experience, Ramey Martin offers quality service, competitive prices, and quick delivery, aiming for continuous customer satisfaction. Our goal is to build great customer relationships and to exceed customer demands. Please review our products and feel free to contact us at any time.

TERMS AND CONDITIONS

1. INTERPRETATION:

- a. "Seller" means Ramey Martin Energy Tools, LLC.
- b. "Buyer" means the Purchaser of goods from the Seller.
- c. "Goods" means all goods sold and/or delivered by the Seller to the Buyer.
- d. "Terms" means these Terms and Conditions of sale.

2. **APPLICATION** – These Terms apply to all Contracts for the sale of Goods by the Seller. No amendment, alteration, waiver, or cancellation of these Terms is binding on the Seller unless confirmed by the Seller in writing. The Buyer acknowledges that no employee or agent of the Seller has any right to make any representation, warranty or promise in relation to the Goods or the sale of the Goods other than as contained in these Terms.
3. **QUOTATIONS** – All quotations are in US dollars and are F.O.B. Company's point of manufacturing origin, unless otherwise expressly stipulated. Quotations are for 30 days unless otherwise stated. Lighter age, wharf age 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.
4. **PAYMENT** – Unless otherwise specifically stated on the invoice, payment terms are Net 30 from date of invoice and are subject to approved credit. If the financial condition of the Buyer results in the insecurity of the Seller, in its sole and unfettered discretion, as to the ultimate collectability of the purchase price, Seller may, without notice to Buyer, delay or postpone the delivery of the Goods; and Seller, at its option, is authorized to change the terms of payment. In the event of default by Buyer in the payment of the purchase price or otherwise, of this or any other order, Seller, at its option, without prejudice to any other of Seller's lawful remedies, may defer delivery, cancel this Contract, or sell any undelivered products on hand for the account of Buyer and apply such proceeds as a credit, without set-off or deduction of any kind, against the Contract purchase price, and Buyer agrees to pay the balance then due to Seller on demand. Buyer agrees to pay all costs, including, but not limited to, reasonable attorney and accounting fees and any other expenses of collection resulting from any default by Buyer in any of the terms hereof.
5. **TAXES AND OTHER CHARGES** – Any use tax, sales tax, excise tax, duty, custom, inspection or testing fee, or any other tax, fee or charge of any nature whatsoever imposed by any governmental authority, on or measured by the transaction between Seller and Buyer shall be paid by Buyer in addition to the prices quoted or invoiced. In the event Seller is required to pay any such tax, fee or charge, Buyer shall reimburse Seller; therefore, or, in lieu of such payment, Buyer shall provide Seller at the time the order is submitted an exemption certificate or other document acceptable to the authority imposing the tax, fee or charge.
6. **RETURNS** – Goods may not be returned for credit except with Seller's permission. Special order Goods may not be returned for credit. Any Goods returned may be subject to a 20% restocking charge and must be returned within 60 days of purchase. Credit for returned Goods shall be issued only after the Goods have been inspected by the Seller. Goods must be in the original condition at the time of sale to be considered for credit. Any Goods not accepted shall be returned to the Buyer at the Buyer's expense. Any cost incurred for the return of rejected Goods shall be invoiced to the Buyer and subject to these terms and conditions. Defective or nonconforming Goods shall be replaced without charge, or a refund of the purchase price shall be issued. The Seller shall not in any event be liable for incidental, consequential or special damages of any kind resulting from improper use of Goods.

7. **FORCE MAJEURE** – The Seller will not be liable for any breach of contract due to any matter or thing beyond the Buyer’s control including, but not limited to, transport stoppages, transport breakdown, fire, flood, hurricane, tornado, earthquake, acts of God, strikes, lockouts, work stoppages, wars, riots or civil commotion, intervention or public authority, explosion, or accident.
8. **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.
9. **WARRANTY** – Ramey Martin Energy Tools 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 Ramey Martin Energy Tools. Our obligation under this warranty is limited to repair or replacement, at its option, if any products manufactured by Ramey Martin Energy Tools are returned F.O.B. to our plant and which we determine to be defective.

CERTIFICATION

Complete operation manuals, including material certification and test documentation are available on all equipment manufactured by RMET.

PULL & LOAD TESTING

Qualified equipment is proof load tested prior to shipment and certificates provided at time of delivery.

INTERCHANGEABILITY

Products manufactured and sold by Ramey Martin are interchangeable with most other corresponding designs.

INVENTORY

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

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STANDARD RUBBER STABBING GUIDES



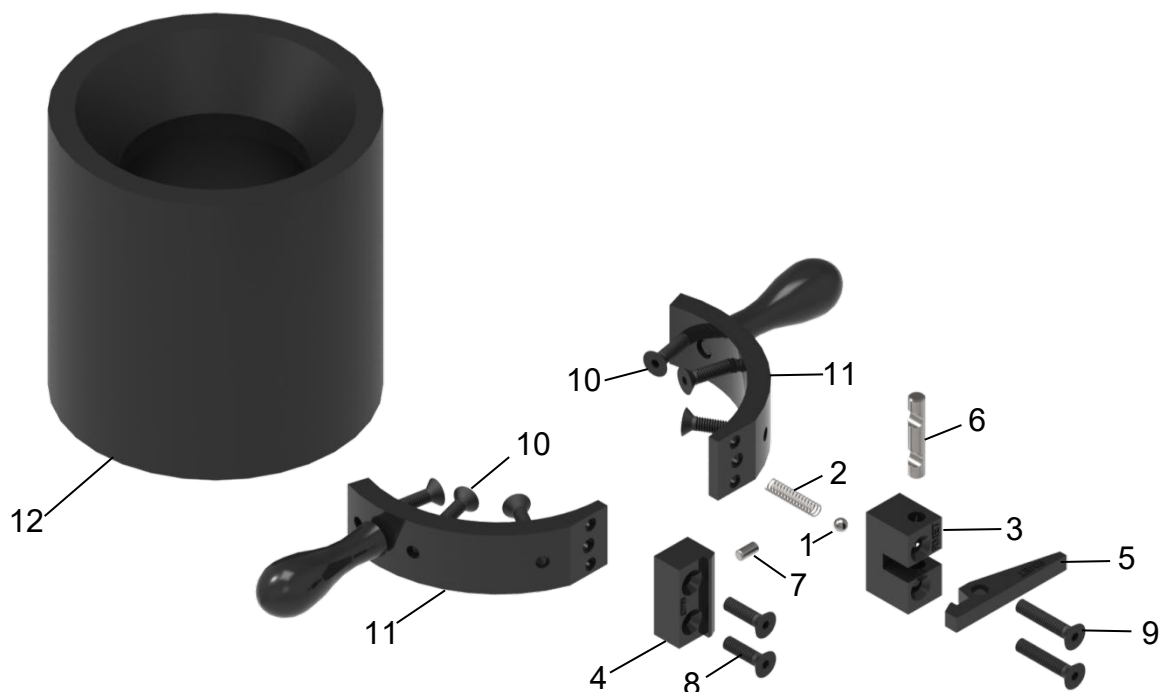
STANDARD RUBBER STABBING GUIDE ASSEMBLIES

P/N COMPLETE	P/N RUBBER ONLY	DESCRIPTION	WT. (LBS)
02-101	02-120	3/4" CS® STABBING GUIDE	4.60
02-102	02-121	1" CS® STABBING GUIDE	4.40
02-103	02-122	1 1/4" CS® STABBING GUIDE	5.50
02-104	02-123	1 1/2" CS® STABBING GUIDE	5.50
02-105	02-124	2 1/16" CS® STABBING GUIDE	6.50
02-106	02-125	2 3/8" CS® 4.70# STABBING GUIDE	6.00
02-107	02-126	2 3/8" PH-6™ 5.95# STABBING GUIDE	6.00
02-108	02-127	2 7/8" CS® 6.5# STABBING GUIDE	7.00
02-109	02-128	2 7/8" PH-6™ 7.90# STABBING GUIDE	6.50
02-110	02-129	2 7/8" PH-6™ 8.70# STABBING GUIDE (SMALL BODY)	6.50
02-111	02-130	2 7/8" PH-6™ 8.70# STABBING GUIDE (LARGE BODY)	11.00
02-112	02-131	2 7/8" 8RD 6.50# STABBING GUIDE (SMALL BODY)	6.50
02-113	02-132	2 7/8" 8RD 6.50# STABBING GUIDE (LARGE BODY)	10.50
02-114	02-133	3 1/2" CS® 9.30# - 10.30# STABBING GUIDE	10.00
02-115	02-134	3 1/2" PH-6™ 12.95# STABBING GUIDE	9.50
02-117	02-136	3 1/2" IF STABBING GUIDE F/ 4 3/4" T.J.	12.00
02-117-1	02-136-1	4" F.H. STABBING GUIDE F/ 5 1/4" T.J.	12.00
02-117-3	02-357	3 1/2" IF STABBING GUIDE F/ 4 7/8" T.J.	12.00
02-119	02-138	4 1/2" PH-6™ 15.50# STABBING GUIDE	11.50
02-305	02-358	XT-39 STABBING GUIDE F/ 4 15/16" T.J.	12.00
02-306	02-356	XT-39 STABBING GUIDE F/ 4 7/8" T.J.	12.00
02-309	02-359	XT-43 STABBING GUIDE F/ 5 3/8" T.J.	11.50
02-143	02-139	4 1/2" XH STABBING GUIDE F/ 6 1/4" T.J.	14.50
02-144	02-148	4 1/2" IF STABBING GUIDE F/ 6 3/8" T.J.	14.25
02-145-1	02-141-1	4" F.H. STABBING GUIDE F/ 5 1/4" T.J. (LARGE BODY)	13.00
02-147	02-140	4 1/2" IF STABBING GUIDE F/ 6 5/8" T.J.	14.00

CUSTOM SIZES AVAILABLE UPON REQUEST

CS AND PH-6 ARE REGISTERED TRADEMARKS OF HYDRIL COMPANY.

REPLACEMENT PARTS FOR STANDARD STABBING GUIDES

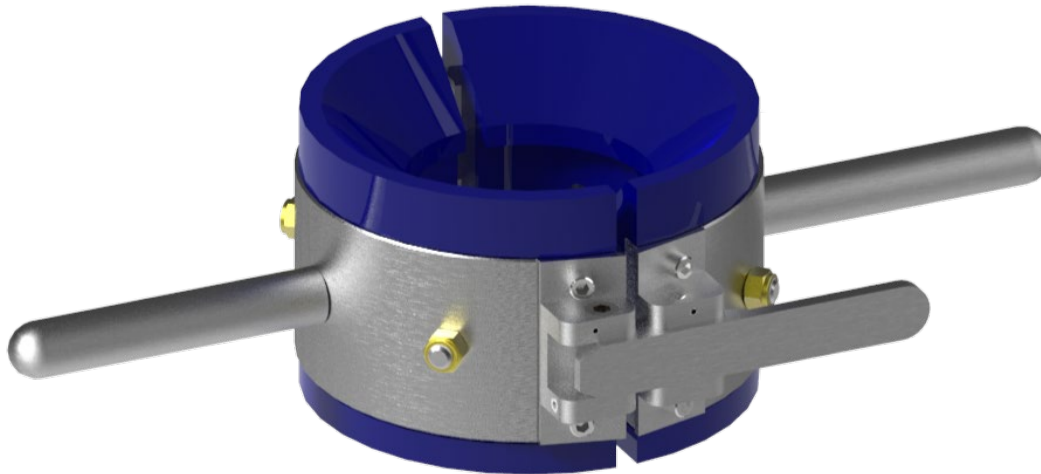


RMET#	ITEM	DESCRIPTION	QTY	WT. (LBS)
02-150	1	BEARING	1	.01
02-151	2	SPRING	1	.01
02-152	3	HINGE BLOCK	1	.48
02-153	4	CATCH BLOCK	1	.38
02-154	5	LATCH	1	.15
02-155	6	HINGE PIN	1	.06
02-156	7	GUIDE PIN	1	.01
02-157-9	8	CATCH BLOCK SCREW (1 1/8")	2	.02
02-157-13	9	HINGE BLOCK SCREW (1 5/8")	2	.03
02-157-10	10	1 1/4" CAP SCREW *	**	.02
02-157-12	10	1 1/2" CAP SCREW *	**	.03
02-157-14	10	1 3/4" CAP SCREW *	**	.04
02-175	11	3" RING ONLY	2	1.22
02-176	11	3 3/4" RING ONLY	2	1.37
02-177	11	4 7/16" RING ONLY	2	1.44
02-178	11	5" RING ONLY	2	1.56
02-179	11	6 1/8" RING ONLY	2	1.77
02-181	11	7" RING ONLY	2	1.94
02-182	11	8" RING ONLY	2	2.13
02-183	11	9" RING ONLY	2	2.33
N/A	12	RUBBER ONLY (SEE TABLE, PAGE 5)	1	N/A

*LENGTH VARIES DEPENDING ON SIZE OF STABBING GUIDE

**QTY = 4 FOR SIZES 3/4" – 2 7/8". QTY = 6 FOR SIZES 3 1/2" AND LARGER

HEAVY DUTY STABBING GUIDES



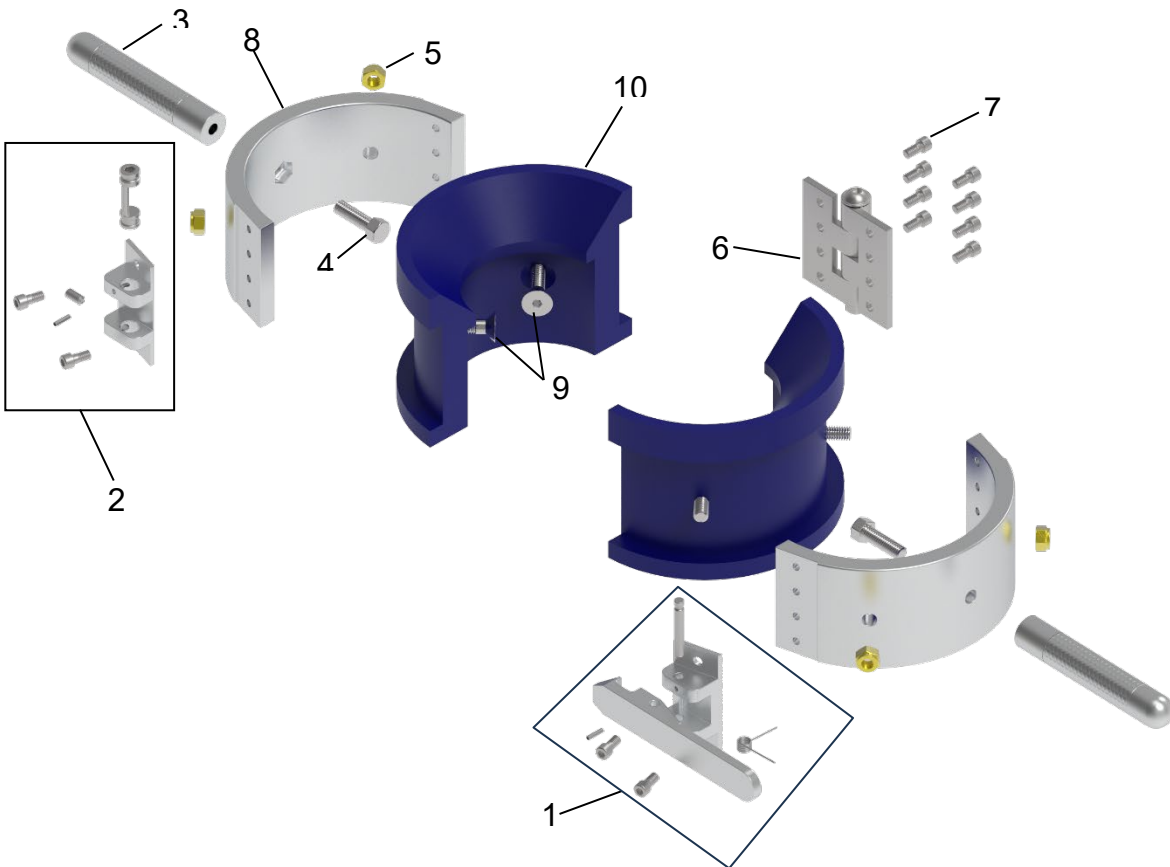
HEAVY DUTY STABBING GUIDE ASSEMBLIES

RMET# ASSEMBLY	RMET# INSERT ONLY /SET	DESCRIPTION	WT. (LBS) INSERT / SET	WT. (LBS) ASSEMBLY
02-502	02-521	1" CS@ 2.25#	1.36	4.60
02-503	02-522	1 1/4" CS@ 3.02# – 3.24#	1.22	4.45
02-504	02-523	1 1/2" CS@ 3.64#	1.15	4.40
02-505	02-524	2 1/16" CS@ 3.25#	.93	4.15
02-506	02-525	2 3/8" CS@ 4.70#	4.20	8.45
02-507	02-526	2 3/8" PH-6™ 5.95#	4.10	8.35
02-508	02-527	2 7/8" CS@ 6.5#	3.75	7.95
02-509	02-528	2 7/8" PH-6™ 7.90#	3.60	7.80
02-510	02-529	2 7/8" PH-6™ 8.70#	3.55	7.80
02-512	02-531	2 7/8" 8RD 6.5#	3.45	7.70
02-514	02-533	3 1/2" CS@ 9.3# - 10.3#	3.06	7.30
02-515	02-534	3 1/2" PH-6™ 12.95#	2.70	6.95
02-517	02-536	3 1/2" IF F/ 4 3/4" TJ	2.18	6.45
02-517-1	02-536-1	4" FULL HOLE F/ 5 1/4" TJ	1.60	5.85
02-517-3	02-5357	3 1/2" IF F/ 4 7/8" TJ	2.06	6.30
02-517-4	02-536-1	4 1/2" FH F/ 5 1/4" TJ	2.00	4.80
02-519	02-538	4 1/2" PH-6™ 15.50#	1.70	5.95
02-5306	02-5356	XT-39 F/ 4 7/8" TJ	2.06	6.30
02-5308	02-5358	XT-39 F/ 4 15/16 TJ	2.03	6.25
02-5309	02-5359	XT-43 F/ 5 3/8" TJ	13.10	19.90
02-5310	02-5360	DRILL PIPE F/ 6 1/2" TJ	10.70	17.50
02-5311	02-5361	DRILL PIPE F/ 7" TJ	9.30	16.10
02-5312	02-5362	DRILL PIPE F/ 7 1/4" TJ	8.80	15.60
02-5313	02-5363	DRILL PIPE F/ 8 1/4" TJ	5.95	12.75
02-5314	02-5364	DRILL PIPE F/ 8 1/2" TJ	5.45	12.25
02-543	02-539	4 1/2" XH F/ 6 1/4" TJ	11.45	18.25
02-545	02-541	5" PH-6™ 20.3#	11.70	18.50
02-546	02-542	5 1/2" PH-6™ 23#	10.80	17.60
02-547	02-540	4 1/2" IF 6 5/8" TJ	10.55	17.35
02-547-01	02-540-01	5 1/2" S.H. F/ 6 5/8" TJ	9.10	15.90

CUSTOM SIZES AVAILABLE UPON REQUEST

CS and PH-6 are Registered Trademarks of Hydril Company.

REPLACEMENT PARTS FOR HEAVY DUTY STABBING GUIDES

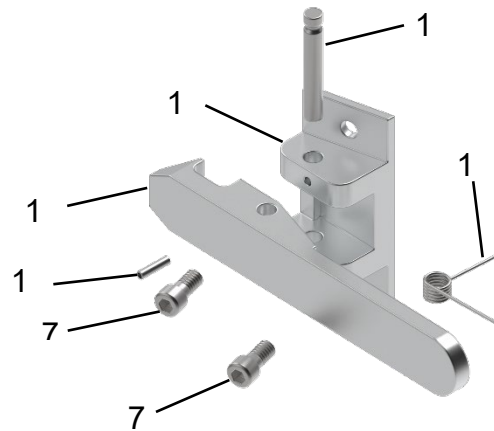
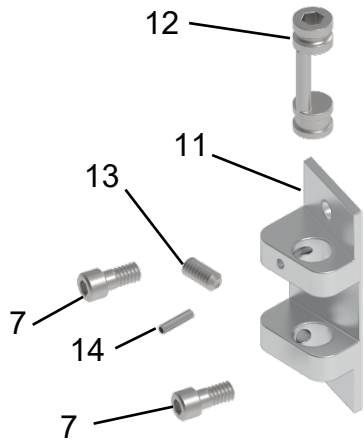


RMET#	ITEM#	DESCRIPTION	QTY	WT. (LBS)
02-552-1	1	HINGE BLOCK ASSEMBLY W/ HARDWARE SCREWS (SEE PAGE 9)	1	.32
02-553-1	2	CATCH BLOCK ASSEMBLY W/ HARDWARE SCREWS (SEE PAGE 9)	1	.17
02-558	3	HANDLE FOR HEAVY DUTY STABBING GUIDE	2	.27
02-558-S	4	HANDLE SCREW	2	.05
02-557-N	5	NUT	4	.02
02-559	6	HINGE W/ HARDWARE SCREWS	1	.30
02-559-S	7	HARDWARE SCREW	12	.01
02-560	8	4" RING (HALF)	2	.82
02-561	8	6" RING (HALF)	2	1.35
02-562	8	9 1/2" RING (HALF)	2	2.73
02-557-10	9	1 1/4" SCREW	4	.04
02-557-12	9	1 1/2" SCREW	4	.05
02-557-14	9	1 3/4" SCREW	4	.05
02-557-16	9	2" SCREW	4	.06
02-557-18	9	2 1/4" SCREW	4	.06
02-557-20	9	2 1/2" SCREW	4	.07
02-557-22	9	2 3/4" SCREW	4	.08
02-557-24	9	3" SCREW	4	.08
N/A	10	POLY INSERT SET (SEE TABLE, PAGE 7). OTHER SIZES AVAILABLE UPON REQUEST	1	
02-500-1	N/P	4" STABBING GUIDE BODY ASSEMBLY*	1	3.20
02-500-2	N/P	6" STABBING GUIDE BODY ASSEMBLY**	1	4.23
02-500-3	N/P	9 1/2" STABBING GUIDE BODY ASSEMBLY**	1	6.70

* INCLUDES ALL COMPONENTS EXCEPT POLY INSERTS

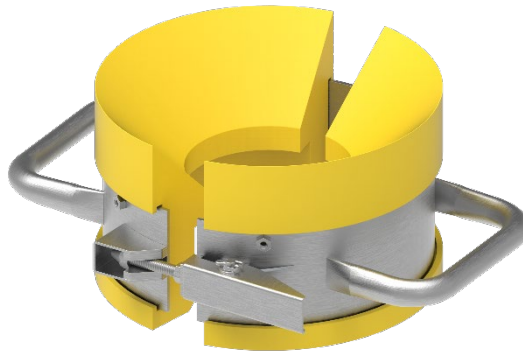
** INCLUDES ALL COMPONENTS EXCEPT POLY INSERTS AND RETAINER SCREWS

REPLACEMENT PARTS FOR HINGE AND CATCH BLOCK ASSEMBLIES



RMET#	ITEM#	DESCRIPTION	QTY	WT. (LBS)
02-559-S	7	HARDWARE SCREW	2	.01
02-553	11	CATCH BLOCK	1	.10
02-556	12	LATCH CAM	1	.04
02-553-S	13	SET SCREW	1	.00
02-550	14	RETAINER PIN	2	.00
02-554	15	LATCH	1	.14
02-552	16	HINGE BLOCK	1	.14
02-555	17	LATCH PIN	1	.02
02-551	18	SPRING	1	.00

HDS STABBING GUIDES



SPECIFICATIONS

BODY-SHELL CONFIGURATIONS*

BODY	COMPOSITION	FITS TUBULAR SIZES (IN.)
1	STAINLESS STEEL COLLAR / POLYURETHANE INSERT	2-3/8" to 5-1/2"
2	STAINLESS STEEL COLLAR / POLYURETHANE INSERT	6-1/2" to 7-5/8"

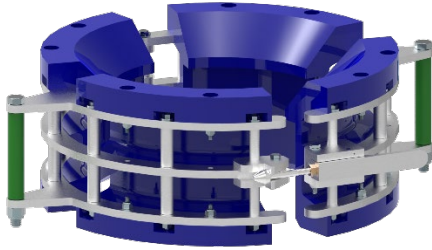
HDS STABBING GUIDE ASSEMBLIES

RMET# ASSEMBLY	DESCRIPTION
02-709	2 7/8" PH-6™ 7.90# HDS STABBING GUIDE
02-710	2 7/8" PH-6™ 8.70# HDS STABBING GUIDE
02-712	2 7/8" 8RD 6.5# HDS STABBING GUIDE
02-714	3 1/2" CS® 9.3# - 10.3# HDS STABBING GUIDE
02-715	3 1/2" PH-6™ 12.95# HDS STABBING GUIDE
02-717	3 1/2" IF F/ 4 3/4" TJ HDS STABBING GUIDE
02-717-1	4" FULL HOLE FOR 5 1/4" TJ HDS STABBING GUIDE
02-717-3	3 1/2" IF F/ 4 7/8" TJ HDS STABBING GUIDE
02-717-4	4 1/2" FH F/ 5 1/4" TJ HDS STABBING GUIDE
02-719	4 1/2" PH-6™ 15.50# HDS STABBING GUIDE
02-7306	XT-39 HDS STABBING GUIDE F/ 4 7/8" TJ
02-7308	XT-39 HDS STABBING GUIDE F/ 4 15/16 TJ
02-7309	XT-43 HDS STABBING GUIDE F/ 5 3/8" TJ
02-7310	HDS DRILL PIPE STABBING GUIDE F/ 6 1/2" TJ
02-7311	HDS DRILL PIPE STABBING GUIDE F/ 7" TJ
02-7312	HDS DRILL PIPE STABBING GUIDE F/ 7 1/4" TJ
02-7313	HDS DRILL PIPE STABBING GUIDE F/ 8 1/4" TJ
02-7314	HDS DRILL PIPE STABBING GUIDE F/ 8 1/2" TJ
02-7315-01	7 5/8" 29.7# TSH WEDGE 511® HDS STABBING GUIDE
02-743	4 1/2" XH HDS STABBING GUIDE F/ 6 1/4" TJ
02-745	5" PH-6™ 20.3# HDS STABBING GUIDE
02-746	5 1/2" PH-6™ 23# HDS STABBING GUIDE
02-747	4 1/2" IF HDS STABBING GUIDE 6 5/8" TJ
02-747-01	5 1/2" S.H. HDS STABBING GUIDE F/ 6 5/8" TJ

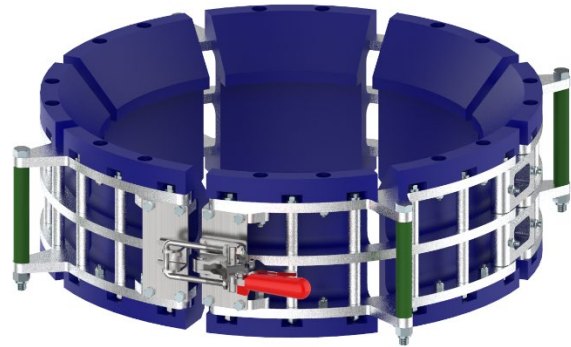
OTHER SIZES AVAILABLE UPON REQUEST. WHEN ORDERING, SPECIFY THE TUBING OR CASING SIZE, CONNECTION AND WEIGHT, OR THE DRILL PIPE SIZE CONNECTION AND T.J. OD.

CS, PH-6, AND WEDGE 511 ARE REGISTERED TRADEMARKS OF HYDRIL COMPANY.

CASING STABBING GUIDES



100, 200, & 300 FRAME (SINGLE HINGE)



400 & 500 FRAME (DOUBLE HINGE)

REPLACEMENT PARTS FOR CASING STABBING GUIDES

RMET#	DESCRIPTION	MAX COUPLING OD	QTY
02C-P100	100 FRAME ASSEMBLY F/ CASING STABBING GUIDE	10 3/4"	1
02C-P200	200 FRAME ASSEMBLY F/ CASING STABBING GUIDE	13 3/4"	1
02C-P300	300 FRAME ASSEMBLY F/ CASING STABBING GUIDE	16 7/8"	1
02C-P400	400 FRAME ASSEMBLY F/ CASING STABBING GUIDE	21 3/8"	1
02C-P500	500 FRAME ASSEMBLY F/ CASING STABBING GUIDE	25 3/8"	1
02C-XXXXXX-P	100 POLY INSERTS (PART NO. VARIES DEPENDING ON SIZE OF CASING)		4
02C-XXXXXX-P	200 POLY INSERTS (PART NO. VARIES DEPENDING ON SIZE OF CASING)		4
02C-XXXXXX-P	300 POLY INSERTS (PART NO. VARIES DEPENDING ON SIZE OF CASING)		6
02C-XXXXXX-P	400 POLY INSERTS (PART NO. VARIES DEPENDING ON SIZE OF CASING)		8
02C-XXXXXX-P	500 POLY INSERTS (PART NO. VARIES DEPENDING ON SIZE OF CASING)		8

6061 ALUMINUM FRAMES

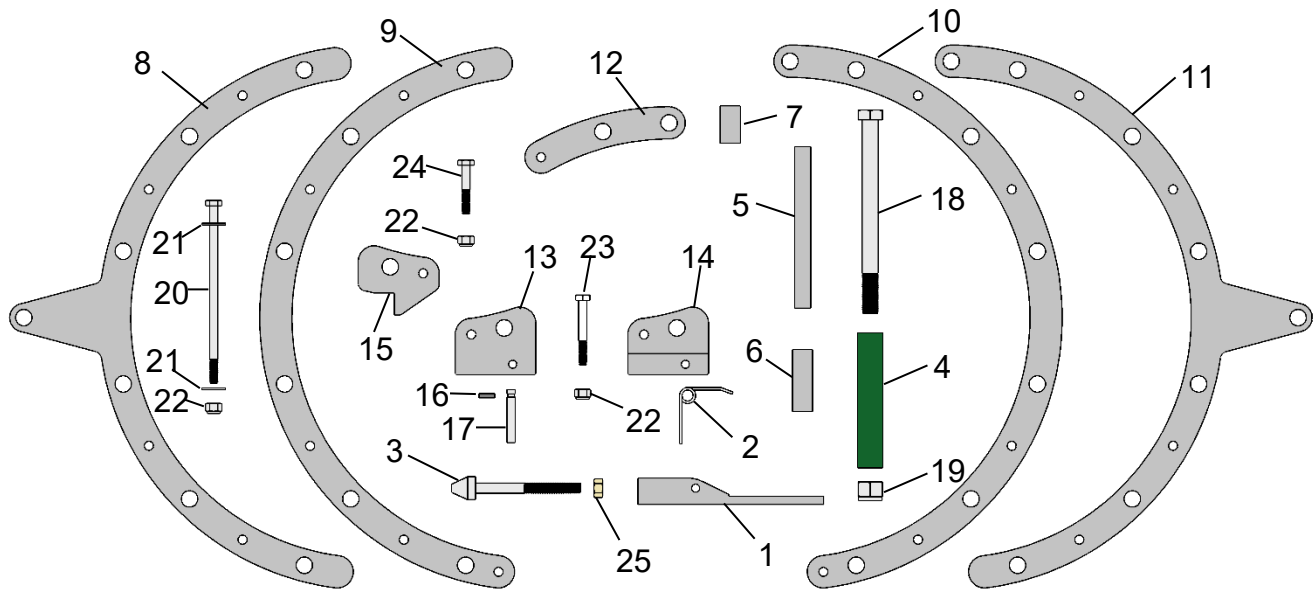
6061 ALUMINUM & SS COMPONENTS

ZINC PLATED STEEL HARDWARE

SS LATCH (400 & 500 FRAMES ONLY)

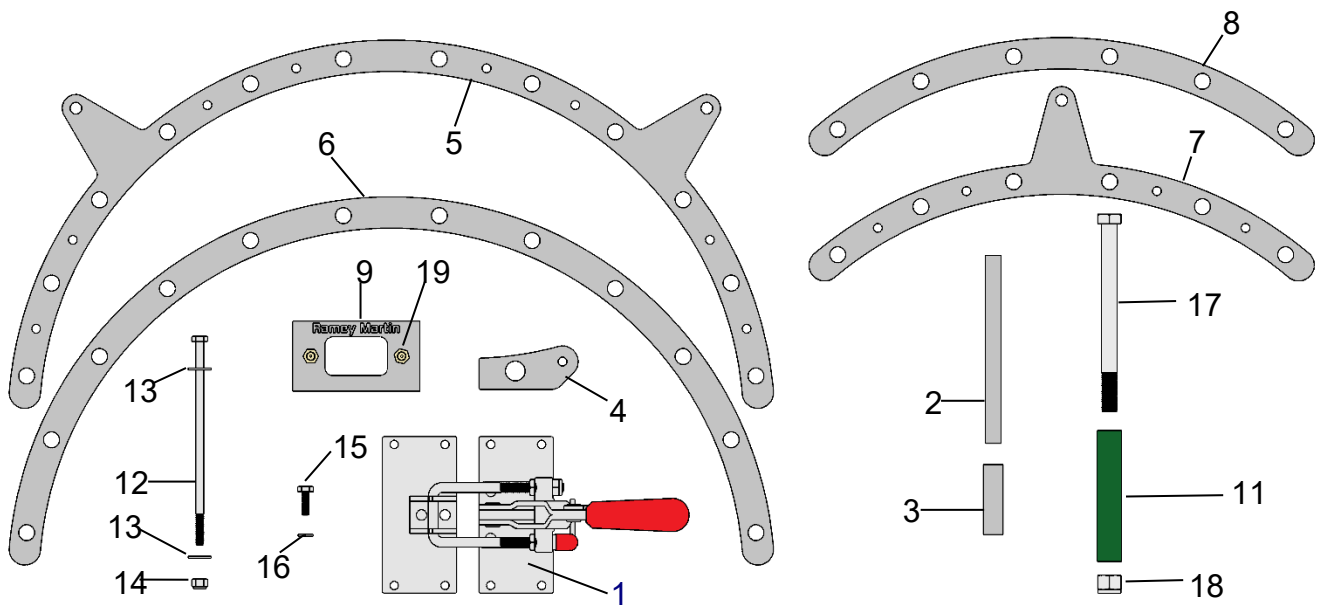
MUTIPLE SIZE POLYURETHANE INSERTS TO FIT YOUR APPLICATION

REPLACEMENT PARTS FOR 100 – 300 FRAMES



NO.	RMET #	DESCRIPTION	QTY	WT. (LBS)	NO.	RMET#	DESCRIPTION	QTY	WT. (LBS)
SHARED COMPONENTS 100 - 300 FRAMES					300 FRAME				
1	02C-P005	LATCH	1	.17	8	02C-P305	LEFT OUTER RING	2	1.08
2	02C-P006	LATCH SPRING	1	.01	9	02C-P310	LEFT INNER RING	1	.96
3	02C-P010	CATCH PIN	1	.12	10	02C-P315	RIGHT OUTER RING	2	1.12
4	02C-P017	HANDLE GRIP	2	.05	11	02C-P320	RIGHT INNER RING	1	.99
5	02C-P020	ALIGNMENT PIN	*	.07	12	02C-P325	HINGE	4	.13
6	02C-P025	INNER SPACER	*	.02	13	02C-P330	UPPER LATCH BLOCK	1	.21
7	02C-P030	HINGE SPACER	2	.01	14	02C-P331	LOWER LATCH BLOCK	1	.22
100 FRAME					15	02C-P335	CATCH	1	.12
8	02C-P105	LEFT OUTER RING	2	.78	SHARED HARDWARE 100-300 FRAMES				
9	02C-P110	LEFT INNER RING	1	.64	16	02-550	RETAINER PIN	1	.00
10	02C-P115	RIGHT OUTER RING	2	.81	17	02-555	LATCH PIN	1	.02
11	02C-P120	RIGHT INNER RING	1	.67	18	50008-48-C5	HANDLE BOLT	2	.35
12	02C-P125	HINGE	4	.13	19	50208-C5	HANDLE NUT	2	.04
13	02C-P130	UPPER LATCH BLOCK	1	.22	20	50004-44-C5	ALIGNMENT BOLT	*	.08
14	02C-P131	LOWER LATCH BLOCK	1	.23	21	50804-R-C-5	FLAT WASHER	*	.01
15	02C-P135	CATCH	1	.08	22	50204-C5	NYLON LOCK NUT	*	.01
200 FRAME					23	50004-16-C5	LATCH BLOCK BOLT	1	.03
8	02C-P205	LEFT OUTER RING	2	.94	24	50004-12-C5	HINGE BOLT	1	.02
9	02C-P210	LEFT INNER RING	1	.81	25	N/A	5/16 HEX NUT	1	.01
10	02C-P215	RIGHT OUTER RING	2	.98					
11	02C-P220	RIGHT INNER RING	1	.84					
12	02C-P225	HINGE	4	.16					
13	02C-P230	UPPER LATCH BLOCK	1	.21					
14	02C-P231	LOWER LATCH BLOCK	1	.23					
15	02C-P235	CATCH	1	.12					

REPLACEMENT PARTS FOR 400 – 500 FRAMES



NO.	RMET #	DESCRIPTION	QTY	WT. (LBS)
SHARED COMPONENTS 400 – 500 FRAMES				
1	02C-P013	LATCH ASSEMBLY	1	2.41
2	02C-P021	ALIGNMENT PIN	24	.08
3	02C-P026	RING SPACER	40	.02
4	02C-P401	LATCH MOUNTING TAB (400 FRAME)	4	.14
400 FRAMES				
5	02C-P405	REAR OUTER RING (400 FRAME)	2	1.90
6	02C-P410	REAR INNER RING (400 FRAME)	1	1.62
7	02C-P415	FRONT OUTER RING (400 FRAME)	4	.92
8	02C-P420	FRONT INNER RING (400 FRAME)	2	.78
9	02C-P425	HINGE (400 FRAME)	4	.42
500 FRAMES				
4	02C-P501	LATCH MOUNTING TAB (500 FRAME)	4	.17
5	02C-P505	REAR OUTER RING (500 FRAME)	2	2.21
6	02C-P510	REAR INNER RING (500 FRAME)	1	1.93
7	02C-P515	FRONT OUTER RING (500 FRAME)	4	1.07
8	02C-P520	FRONT INNER RING (500 FRAME)	2	.93
9	02C-P525	HINGE (500 FRAME)	4	.50
SHARED HARDWARE 400-500 FRAMES				
11	02C-P017	HANDLE GRIP	2	.05
12	50004-52-C5	ALIGNMENT BOLT	24	.09
13	50804-R-C-5	FLAT WASHER	48	.01
14	50204-C5	NYLON LOCK NUT	24	.01
15	50004-08-C5	LATCH PLATE BOLT	8	.01
16	50904-C5	LOCK WASHER	8	.00
17	50008-56-C5	HANDLE BOLT	2	.40
18	50208-C5	HANDLE NUT	2	.04
19	ZF-GZN-02-3	GREASE FITTING	2	.01

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DU TYPE ROTARY SLIPS

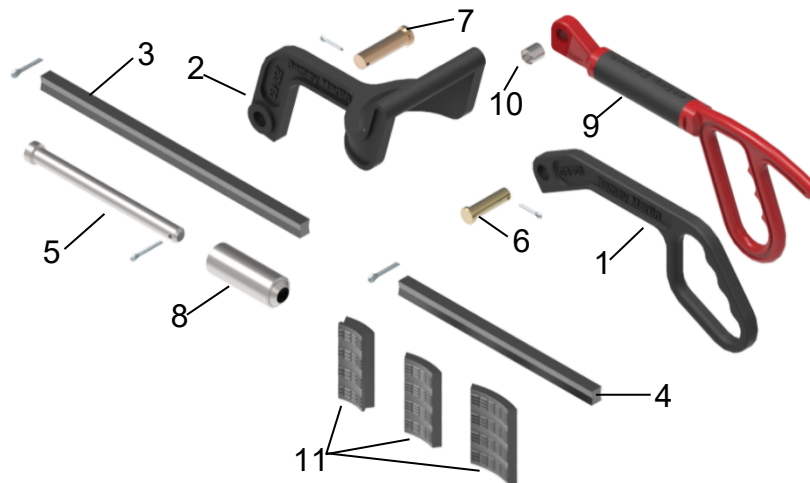


The Ramey Martin “DU” and “SDU” Rotary Slips are designed for long trouble-free service. They are made of alloy steel and heat-treated for strength and resistance to wear. The slips are machined for use in API tapered bowls. The “DU” Regular has a 12” long gripping surface and is designed for wells 8000’ or less. The “DU” & “SDU” Long have a 16” long gripping surface and are designed for deeper wells and heavier drill strings. All RMET “DU” & “SDU” Slips are load rated and have an API taper of 4”/ft on the diameter. For added safety, the RMET Type “DU” Slip is also equipped with safety flex handles as a standard option.

DU TYPE ROTARY SLIP ASSEMBLIES LESS INSERTS

RMET#	SLIP BODY SIZE	TYPE	TAPER/FT (TPF)	RATING (TONS)	WT. (LBS)
03-114-LR-F	4 1/2”	DU/REGULAR	4.00”	165	135
03-115-LR-F	4 1/2”	DU/LONG	4.00”	180	164
03-116-LR-F	5 1/2”	DU/REGULAR	4.00”	225	150
03-117-LR-F	5 1/2”	DU/LONG	4.00”	250	180
03-112-SDU-LR-F	5 1/2”	SDU/LONG	4.00”	400	215
03-118-LR-F	7”	DU/REGULAR	4.00”	300	145
03-119-SDU-LR-F	7”	SDU/LONG	4.00”	400	210

ALL DU & SDU SLIPS ARE AVAILABLE W/ STEEL HANDLES UPON REQUEST. TO ORDER REMOVE THE (-F) FROM THE END OF THE PART#.



REPLACEMENT PARTS FOR DU ROTARY SLIPS

RMET#	ITEM#	DESCRIPTION	#REQ	*SPARES	REF.#	WT. (LBS)
03-101	1	FRONT HANDLE	2	2	7613-A-157	3.45
03-102	2	REAR HANDLE	1	1	7613-5195	5.61
03-103	3	DU LONG LINER KEY W/ COTTER	3	3	7613-A-67	1.88
03-104	4	DU REGULAR LINER KEY W/ COTTER	3	3	7613-A-52	1.40
03-105	5	HINGE PIN W/ COTTER	2	2	7613-A-12	1.17
03-106	6	FRONT HANDLE PIN W/ COTTER **	2	2	7613-B-12	.22
03-107	7	REAR HANDLE PIN W/ COTTER **	1	1	7613-C-12	.38
03-108	8	HINGE SPRING ASSY.	2	2	7613-211	1.10
03-300-F	9	DU SAFETY FLEX HANDLE	3	3	7613-5190	4.75
03-300-B	10	DU SAFETY FLEX HANDLE BUSHING	3	3	N/A	.03
N/A	11	INSERTS (SEE PAGE 16)	1	SET		

*RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

**ALL RMET DU & SDU SLIPS REQUIRE 3 REAR HANDLE PINS. FRONT HANDLE PINS ARE LISTED AS PARTS ONLY

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

RMET#	DESCRIPTION	REF.#	WT. (LBS) EA	RMET# (F.F. INSERTS)	WT. EA. (LBS)
03-120	4 1/2" X 4 1/2"	7613-A-81	.74	03-210	.79
N/A	4 1/2" X 4 3/8"	N/A	N/A	03-213	.84
N/A	4 1/2" X 4 1/4"	N/A	N/A	03-216	.93
N/A	4 1/2" X 4 1/8"	N/A	N/A	03-219	1.01
03-121	4 1/2" X 4"	7613-FF-81	1.17	03-221	1.21
N/A	4 1/2" X 3 3/4"	N/A	N/A	03-224	1.40
03-122	4 1/2" X 3 1/2"	7613-C-82	1.58	03-227	1.62
N/A	4 1/2" X 3 3/8"	N/A	N/A	03-229	1.68
N/A	4 1/2" X 3 1/4"	N/A	N/A	03-228	1.76
N/A	4 1/2" X 3 1/8"	N/A	N/A	03-230	1.83
N/A	4 1/2" X 3"	N/A	N/A	03-231	1.92
03-123	4 1/2" X 2 7/8"	7613-B-82	2.02	03-223	2.05
03-124	4 1/2" X 2 3/8"	7613-A-82	2.30	03-236	2.33
03-125	4 1/2" X 2 1/16"	7613-M-82	2.39	03-237	2.22
N/A	4 1/2" X 1.900"	N/A	N/A	03-238	2.30
03-127	4 1/2" X 1.660"	N/A	N/A	03-239	2.35
N/A	4 1/2" X 1.315"	N/A	N/A	03-239-1	2.53

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

RMET#	DESCRIPTION	REF.#	WT. EA. (LBS)	RMET# (F.F. INSERTS)	WT. EA. (LBS)
N/A	5 1/2" X 5 3/4"	N/A	N/A	03-241	N/A
03-130	5 1/2" X 5 1/2"	7613-H-81	.95	03-240	1.00
N/A	5 1/2" X 5 1/4"	N/A	N/A	03-242	1.31
03-131	5 1/2" X 5"	7613-G-81	1.41	03-243	1.41
N/A	5 1/2" X 4 3/4"	N/A	N/A	03-246	1.73
03-132	5 1/2" X 4 1/2"	7613-E-81	1.95	03-249	1.99
N/A	5 1/2" X 4 3/8"	N/A	N/A	03-247	2.05
N/A	5 1/2" X 4 1/4"	N/A	N/A	03-252	2.18
N/A	5 1/2" X 4 1/8"	N/A	N/A	03-255	2.28
03-133	5 1/2" X 4"	7613-D-81	2.36	03-258	2.41
N/A	5 1/2" X 3 3/4"	N/A	N/A	03-261	2.57
03-134	5 1/2" X 3 1/2"	7613-E-82	2.72	03-264	2.73
N/A	5 1/2" X 3 1/4"	N/A	N/A	03-266	2.98
N/A	5 1/2" X 3 1/8"	N/A	N/A	03-268	2.97
N/A	5 1/2" X 3"	N/A	N/A	03-270	3.05
03-134-1	5 1/2" X 2 7/8"	N/A	2.60	03-275	3.12
N/A	5 1/2" X 2 3/8"	N/A	N/A	03-277	3.44
N/A	5 1/2" X 2 1/16"	N/A	N/A	03-279	3.58

INSERTS FOR 7" SDU ROTARY TYPE SLIPS

RMET#	DESCRIPTION	REF.#	WT. (LBS)	RMET# (F.F. INSERTS)	WT. EA. (LBS)
03-140	7" X 7"	7613-EE-81	1.24	03-280	N/A
03-148	7" x 6.906"	N/A	1.37	N/A	N/A
03-141	7" X 6 5/8"	7613-DD-81	1.71	03-281	N/A
03-147	7" X 6"	N/A	N/A	03-283	2.63
03-146	7" X 5 7/8"	N/A	2.66	03-285	N/A
03-145	7" X 5 3/4"	N/A	2.83	03-286	N/A
03-142	7" X 5 1/2"	7613-Z-81	3.08	03-287	N/A
03-143	7" X 5"	7613-Y-81	3.56	N/A	N/A
03-144	7" X 4 1/2"	7613-W-81	4.00	03-289	N/A

"DU" REGULAR REQUIRES 18 INSERTS PER SET. "DU" & "SDU" 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

GRITFACE®, FINE TOOTH, AND OTHER SIZES AVAILABLE UPON REQUEST

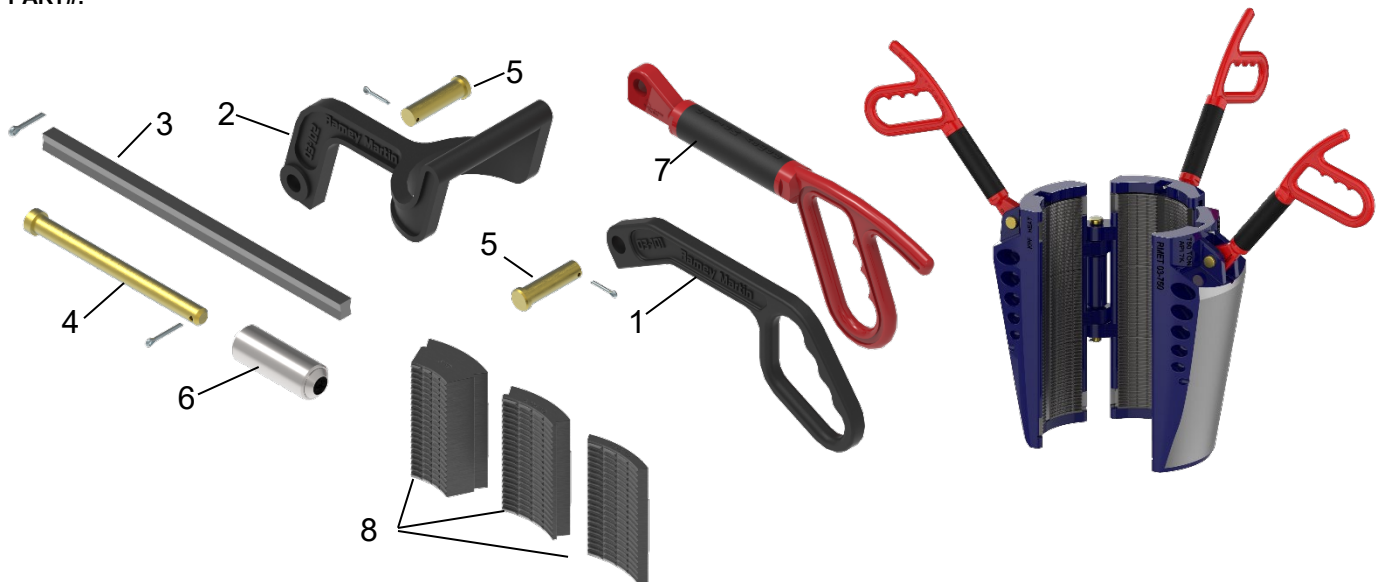
XD-750 EXTREME DUTY ROTARY SLIPS

The Ramey Martin "XD-750" Rotary Slip is designed for long trouble-free service. It is made of alloy steel and heat-treated for strength and resistance to wear. The slip is load rated and machined for use in #3 API tapered bowls with a 4"/ft taper on the diameter. For added safety, the RMET XD-750 Slip is also equipped with safety flex handles as a standard option.

XD-750 EXTREME DUTY ROTARY SLIP ASSEMBLIES LESS INSERTS

RMET#	SLIP BODY SIZE	RANGE	TAPER/FT (TPF)	RATING (TONS)	WT. (LBS)
03-750-XD-F	7 5/8"	3 1/2" – 7 5/8"	4.00"	750	210

XD-750 SLIPS ARE AVAILABLE W/ STEEL HANDLES UPON REQUEST. TO ORDER REMOVE THE (-F) FROM THE END OF THE PART#.



REPLACEMENT PARTS FOR XD-750 ROTARY SLIPS

RMET#	ITEM#	DESCRIPTION	#REQ	*SPARES	REF.#	WT. (LBS)
03-101	1	FRONT HANDLE	2	2	7613-A-157	3.45
03-102	2	REAR HANDLE	1	1	7613-5195	5.61
03-103	3	DU LONG LINER KEY W/ COTTER	3	3	7613-A-67	1.88
03-105	4	HINGE PIN W/ COTTER	2	2	7613-A-12	1.17
03-107	5	REAR HANDLE PIN W/ COTTER	3	1	7613-C-12	.38
03-108	6	HINGE SPRING ASSY.	2	2	7613-211	1.10
03-300-F	7	DU SAFETY FLEX HANDLE	3	3	7613-5190	4.75

*RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

INSERTS FOR XD-750 ROTARY SLIPS

RMET#	ITEM#	SIZE	#REQ	*SPARES	WT. EA. (LBS)
03-750-3500	8	7 5/8" X 3 1/2" INSERT	18	36	8.90
03-750-4000	8	7 5/8" X 4" INSERT	18	36	8.37
03-750-4500	8	7 5/8" X 4 1/2" INSERT	18	36	7.77
03-750-5000	8	7 5/8" X 5" INSERT	18	36	7.10
03-750-5500	8	7 5/8" X 5 1/2" INSERT	18	36	6.34
03-750-5785	8	7 5/8" X 5 7/8" INSERT	18	36	5.71
03-750-6625	8	7 5/8" X 6 5/8" INSERT	18	36	4.32
03-750-6906	8	7 5/8" X 6.906" INSERT	18	36	3.75
03-750-7000	8	7 5/8" X 7" INSERT	18	36	3.60
03-750-7625	8	7 5/8" X 7 5/8" INSERT	18	36	2.25

*RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

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SD TYPE ROTARY SLIPS

All Ramey Martin “SDML” and “SDXL” Slips are made of alloy steel and heat-treated for strength and long life. These slips are then machined for use in API standard bowls. We have designed our slip to operate with no load ring and still maintain 100% insert support. This eliminates the need for beveled inserts and also allows for a complete inspection of the slip without fighting seized or breaking load ring bolts. Another time saving change is the use of roll pins for retaining the hinge pins and a larger knock out hole beneath the hinge pins. All RMET “SD” Slips are load rated and have an API taper of 4”/ft on the diameter. For added safety, the RMET Type “SD” Slip is also equipped with safety flex handles as a standard option.



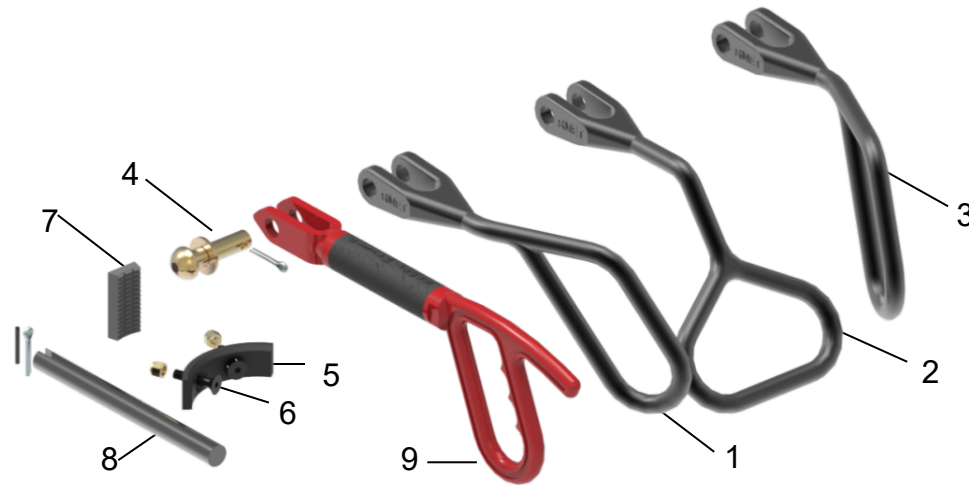
SD TYPE ROTARY SLIP ASSEMBLIES LESS INSERTS

RMET#	SLIP BODY SIZE	TYPE	TAPER/FT (TPF)	RATING (TONS)	WT. (LBS)
23-100-LR-F	3 1/2" BODY ONLY W/ FLEX HANDLES	SDML	4.00"	175	153
24-200-LR-F	4 1/2" BODY ONLY W/ FLEX HANDLES	SDXL	4.00"	350	182
24-100-LR-F	5" BODY ONLY W/ FLEX HANDLES	SDXL	4.00"	350	193
24-300-LR-F	5 1/2" BODY ONLY W/ FLEX HANDLES	SDXL	4.00"	350	190

SD TYPE ROTARY SLIP ASSEMBLIES W/ INSERTS

RMET#	SLIP BODY SIZE	TAPER/FT (TPF)	RATING (TONS)	WT. (LBS)
23-123-LR-F	3 1/2" X 2 3/8" SDML W/ INSERTS AND FLEX HANDLES	4.00"	175	193
23-127-LR-F	3 1/2" X 2 7/8" SDML W/ INSERTS AND FLEX HANDLES	4.00"	175	188
23-135-LR-F	3 1/2" X 3 1/2" SDML W/ INSERTS AND FLEX HANDLES	4.00"	175	180
24-235-LR-F	4 1/2" X 3 1/2" SDXL W/ INSERTS AND FLEX HANDLES	4.00"	350	207
24-240-LR-F	4 1/2" X 4" SDXL W/ INSERTS AND FLEX HANDLES	4.00"	350	199
24-245-LR-F	4 1/2" X 4 1/2" SDXL W/ INSERTS AND FLEX HANDLES	4.00"	350	188
24-140-LR-F	5" X 4" SDXL W/ INSERTS AND FLEX HANDLES	4.00"	350	204
24-145-LR-F	5" X 4 1/2" SDXL W/ INSERTS AND FLEX HANDLES	4.00"	350	196
24-150-LR-F	5" X 5" SDXL W/ INSERTS AND FLEX HANDLES	4.00"	350	185
24-345-LR-F	5 1/2" X 4 1/2" SDXL W/ INSERTS AND FLEX HANDLES	4.00"	350	200
24-350-LR-F	5 1/2" X 5" SDXL W/ INSERTS AND FLEX HANDLES	4.00"	350	192
24-355-LR-F	5 1/2" X 5 1/2" SDXL W/ INSERTS AND FLEX HANDLES	4.00"	350	181

REPLACEMENT PARTS FOR SD TYPE ROTARY SLIPS



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

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

INSERTS FOR SDML & SDXL SLIPS

RMET#	SIZE	TYPE	REF.#	WT. (LBS)/SET (SDML/SDXL)
23-155	3 1/2" x 3 1/2"	BASIC	2162	12.00 / NA
23-156	3 1/2" x 2 7/8"	REDUCER	2161	19.75 / NA
23-157	3 1/2" x 2 3/8"	REDUCER	2160	24.90 / NA
23-158	4 1/2" x 4 1/2"	BASIC	2165	17.10 / 20.73
23-159	4 1/2" x 4"	REDUCER	2164	26.50 / 32.00
23-160	4 1/2" x 3 1/2"	REDUCER	2163	34.65 / 41.37
23-161	5" x 5"	BASIC	2167	17.55 / 21.06
23-162	5" x 4 1/2"	REDUCER	2166	27.00 / 32.18
23-163	5" x 4"	REDUCER	2168	34.20 / 41.15
23-164	5 1/2" x 5 1/2"	BASIC	2170	17.45 / 20.92
23-165	5 1/2" x 5"	REDUCER	2169	26.82 / 32.18
23-163	5 1/2" x 4 1/2"	REDUCER	2168	34.20 / 41.15
23-166	7" x 7"	BASIC	2173	26.25 / 31.00
23-167	7" x 6 5/8"	REDUCER	2172	32.83 / 39.40

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

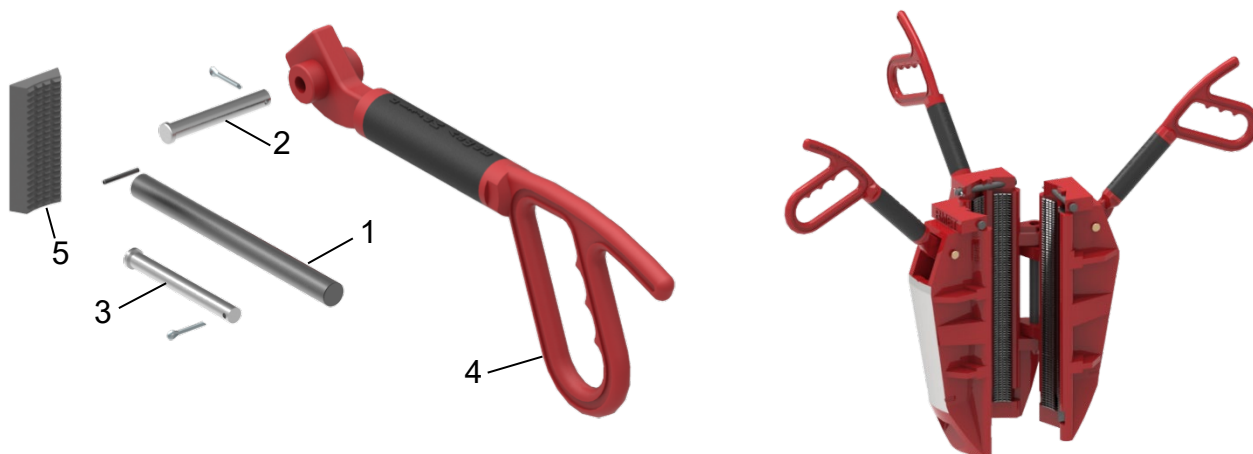
1 SET INSERTS PER PIPE SIZE RECOMMENDED FOR 1 YEAR SPARES

TYPE B ROTARY SLIPS

The Ramey Martin Type “B” Rotary Slip is designed for light to medium well drilling operations. They are made of alloy steel and heat-treated for strength and resistance to wear. Its standard size ranges from 2 1/16” to 4 1/2” and is used in API tapered bowls. RMET “Type B” Slips have an API taper of 4”/ft on the diameter. For added safety, the RMET Type “B” Slip is also equipped with safety flex handles as a standard option.

TYPE B ROTARY SLIP ASSEMBLY LESS INSERTS

RMET#	SLIP BODY SIZE	RANGE	TAPER/FT (TPF)	RATING (TONS)	WT. (LBS)
19-450-LR-F	4 1/2”	2 1/16” – 4 1/2”	4.00”	200	140



REPLACEMENT PARTS FOR RMET TYPE B ROTARY SLIPS

RMET#	ITEM#	DESCRIPTION	REF#	#REQ.	WT. (LBS)
19-101	1	HINGE PIN W/ RETAINER	737-000-0500	2	1.10
19-102	N/P	RIGHT HANDLE	737-000-0300	1	6.20
19-103	2	HANDLE PIN W/ COTTER	737-000-0400	3	.20
19-104	N/P	REAR HANDLE	737-000-0200	1	4.92
19-105	N/P	LEFT HANDLE	737-000-0100	1	6.20
19-106	3	INSERT RET. PIN W/ COTTER	737-000-0600	3	.25
19-104-F	4	FLEX HANDLE	737-100-0203	3	5.35
19-250	5	4-1/2” X 4-1/2”	757-044-0144	24	.80
19-251	5	4-1/2” X 4”	757-044-0140	24	1.29
19-252	5	4-1/2” X 3-1/2”	757-044-0134	24	1.64
19-253	5	4-1/2” X 2-7/8”	757-044-0127	24	2.02
19-254	5	4-1/2” X 2-3/8”	757-044-0123	24	2.29
19-255	5	4-1/2” X 2-1/16”	N/A	24	2.39

SLIP LIFTING DEVICE (SLD)

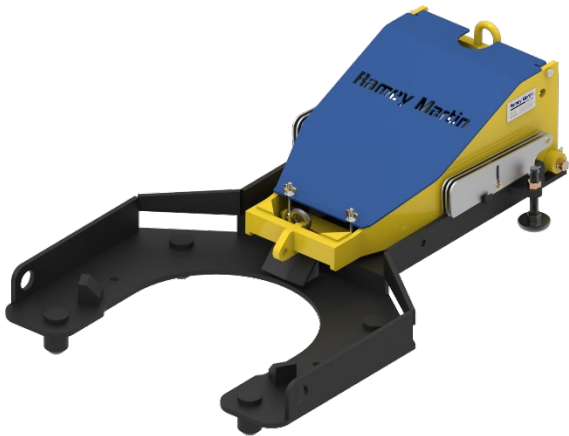
RMET#	DESCRIPTION	WT. (LBS) - SLD ONLY W/O SLIP
26-100-PD	"SLD" AIR OPERATED – PIN DRIVE	295
26-100-PD-DS	"SLD" AIR OPERATED – PIN DRIVE W/ DOWN SENSOR	-
26-100-SD	"SLD" AIR OPERATED – SQUARE DRIVE	270
26-100-SD-DS	"SLD" AIR OPERATED – SQUARE DRIVE W/ DOWN SENSOR	-
26-220	"SLD" AIR OPERATED F/ XP-1000	535
26-220-DS	"SLD" AIR OPERATED F/ XP-1000 W/ DOWN SENSOR	-

SEE OPERATION MANUALS FOR LIST OF PARTS



AIR OPERATED SPECIFICATIONS

PROPERTY	DESCRIPTION
MATERIAL	MILD STEEL WITH POWDERCOAT FINISH
WEIGHT (PIN DRIVE)	470 LBS. WITH STORAGE STAND, CONTROL VALVE, AIR SUPPLY PLATE, AND HOSES
WEIGHT (SQ DRIVE)	445 LBS. WITH STORAGE STAND, CONTROL VALVE, AIR SUPPLY PLATE, AND HOSES
HEIGHT	RAISED 23 1/2" (597mm) - LOWERED (13 1/2" (343mm))
BASE DIMENSIONS	23 1/2" X 43 1/2" (600mm X 1105mm)
BASE OPENING	12 3/4" (327mm)
MIN. OP. PRESSURE	85 PSI



AIR OPERATED XP-1000 SPECIFICATIONS

PROPERTY	DESCRIPTION
MATERIAL	MILD STEEL WITH POWDERCOAT FINISH
WEIGHT	715 LBS. WITH STORAGE STAND, CONTROL VALVE, AIR SUPPLY PLATE, AND HOSES
HEIGHT	RAISED 25" (635mm) - LOWERED (14 3/4" (375mm))
BASE DIMENSIONS	33" X 50 1/2" (838mm X 1283mm)
BASE OPENING	18" (457mm)
MIN. OP. PRESSURE	90 PSI

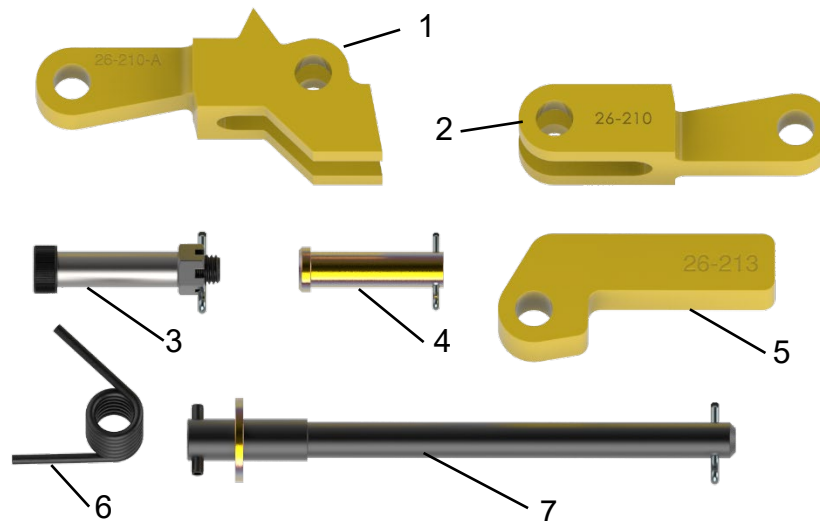
SLD ADAPTOR KITS

XD & DU SLIP ADAPTOR KIT					
	4 1/2" DU & XD-750 (26-507-B)	5 1/2" DU (26-507-J)	5 1/2" SDU (26-507-D)	7" SDU & LD (26-507-E)	QTY REQ'D
LIFTING LINK	26-510-B	26-510-B	26-510-C	26-510-B	1
TORQUE BLOCK	26-511-B	26-511-A	26-511-B	26-511-B	2
HINGE PIN	26-505-B	26-505-B	26-505-B	26-505-B	2
SPRING	26-518	26-518	26-518	26-518	2
HANDLE PINS	03-107	03-107	03-107	03-107	4

SD SLIP ADAPTOR KIT				
	ALL SDXL (26-507-A)	4 1/2" SDML (26-507-I)	5" SDML (26-507-H)	QTY REQ'D
LIFTING LINK	26-510-A	26-510-J	26-510-G	1
TORQUE BLOCK	26-513-B	26-513-G	26-513-E	2
HINGE PIN	26-505-A	26-505-A	26-505-A	2
SPRING	26-518	26-518-REG	26-518-REG	2
HANDLE PINS	03-107	03-107	03-107	4

XP-1000 SLIP ADAPTOR KIT (26-507-X)				
ITEM#	PART#	DESCRIPTION	QTY REQ'D	
1	26-210-A	LIFTING LINK (NEW STYLE)	1	
2	26-210	LIFTING LINK (OLD STYLE)	1	
3	26-510-SB	LIFTING LINK BOLT	1	
4	03-107	REAR DU HANDLE PIN	4 *	
5	26-213	TORQUE BLOCK	2	
6	26-518	SPRING	2	
7	26-505-B	HINGE PIN WITH WASHER, ROLL PIN, AND COTTER	2	

* TWO (2) PIECES REQUIRED WHEN USING LIFTING LINK BOLT (26-510-SB)



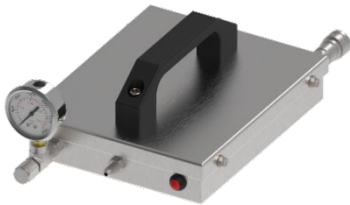
HYDRAULIC OVER PNEUMATIC CONVERTER BOX

RMET#	DESCRIPTION	WT. (LBS)
34-129-CNV	HYDRAULIC OVER PNEUMATIC CONVERTER BOX F/ RMET "SLD"	40
34-129-CNV-9	DOWN SENSOR (D.S.) BOX F/ RMET "SLD" WITH DOWN SENSOR	10
34-129-CNV-DS	HYDRAULIC OVER PNEUMATIC CONVERTER & D.S. BOX ASSY F/ RMET "SLD" W/ DOWN SENSOR	50

SEE OPERATION MANUAL FOR LIST OF PARTS



34-129-CNV, CONVERTER BOX SPECIFICATIONS	
PROPERTY	DESCRIPTION
OVERALL WEIGHT	APPROXIMATELY 40 LBS (18 KG)
DIMENSIONS (W/ FITTINGS)	11" W X 7 1/2" H X 20" L (279mm X 190mm X 508mm)
OPERATING PRESSURE	AIR = 80 - 150 PSI HYD. = 1000 - 3000 PSI



Shown w/o connecting hose.

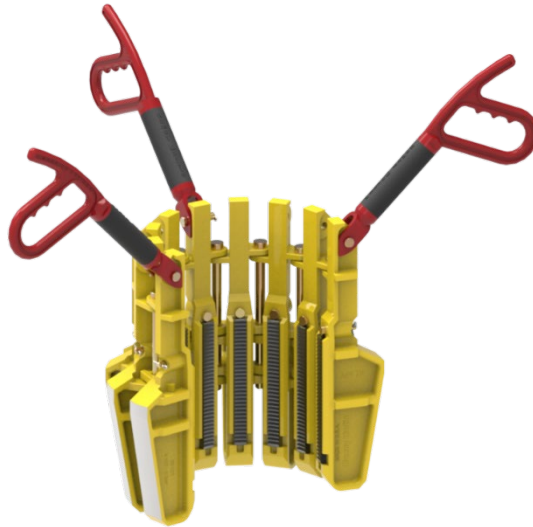
34-129-CNV-9, DOWN SENSOR BOX SPECIFICATIONS	
PROPERTY	DESCRIPTION
OVERALL WEIGHT	APPROXIMATELY 10 LBS (4.5 KG)
DIMENSIONS (W/ FITTINGS & GUAGE)	9" W X 5" H X 17" L (229mm X 127mm X 431mm)
OPERATING PRESSURE	AIR = 80 - 150 PSI HYD. = 1000 - 3000 PSI



34-129-CNV-DS, CONVERTER & DOWN SENSOR BOX ASSY SPECIFICATIONS	
PROPERTY	DESCRIPTION
OVERALL WEIGHT	APPROXIMATELY 50 LBS (23 KG)
DIMENSIONS (W/ FITTINGS & GUAGE)	11" W X 10" H X 22" L (279mm X 254mm X 558mm)
OPERATING PRESSURE	AIR = 80 - 150 PSI HYD. = 1000 - 3000 PSI

TYPE A DRILL COLLAR SLIPS

The Ramey Martin Type “A” 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 slip segments are made of alloy steel which are heat-treated for strength and wear resistance. The slip is load rated and has an API taper of 4”/ft on the diameter. For added safety, the RMET Type “A” Slip is also equipped with safety flex handles as a standard option.

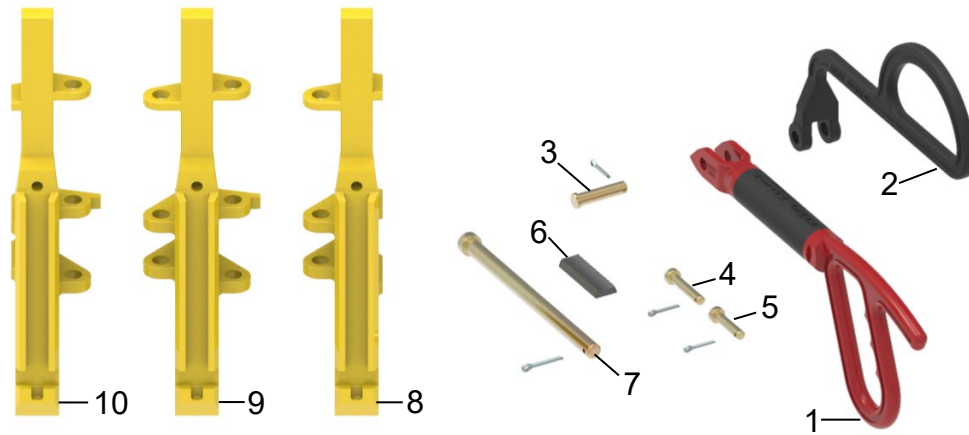


TYPE A DRILL COLLAR SLIP ASSEMBLIES

RMET#	D.C. SIZE/SLIP RECESS	SEG. PART NO.	SEG. QTY	TAPER/FT (TPF)	RATING (TONS)	WT. (LBS)
20-111-LR-F	3" - 4 1/4"	20-109	7	4.00"	95	136
20-111-1-LR-F	3 3/4" - 4 3/4"	20-138	8	4.00"	110	128
20-112-LR-F	4 1/2" - 5 3/4"	20-121	9	4.00"	130	112
20-113-LR-F	5 1/2" - 7"	20-125	10	4.00"	150	117
20-114-LR-F	6 3/4" - 8 1/4"	20-130	11	4.00"	150	118
20-115-LR-F	8 1/4" - 10"	20-134	12	4.00"	150	120

TYPE “A” SLIPS ARE AVAILABLE WITH STEEL HANDLES UPON REQUEST. TO ORDER, REMOVE THE (-F) FROM THE END OF THE PART#.

REPLACEMENT PARTS FOR TYPE A DRILL COLLAR SLIPS



RMET#	ITEM#	DESCRIPTION	REF.#	#REQ.	WT. (LBS)
08-136	1	FLEX HANDLE		3	4.00
08-102	2	STEEL HANDLE	7638-A-78	3	2.50
08-103	3	HANDLE PIN W/ COTTER	707-000-0300	3	.12
20-102	4	INSERT RET. PIN (3" - 4 1/4")	707-000-0600	7	.08
20-103	6	INSERT (3" - 4 1/4")	797-000-0000	21	.22
20-101	7	HINGE PIN (3" - 4 1/4")	707-000-0100	6	.86
20-108	8	R.H. SEGMENT (3" - 4 1/4")	707-300-0400	1	15.00
20-109	9	INT. SEGMENT (3" - 4 1/4")	707-300-0100	5	15.00
20-110	10	L.H. SEGMENT (3" - 4 1/4")	707-300-0300	1	15.00
20-102	4	INSERT RET. PIN (3 3/4" - 4 3/4")	707-000-0600	8	.08
20-103	6	INSERT (3 3/4" - 4 3/4")	797-000-0000	24	.25
20-101	7	HINGE PIN (3 3/4" - 4 3/4")	707-000-0100	7	.86
20-137	8	R.H. SEGMENT (3 3/4" - 4 3/4")	707-320-0400	1	14.00
20-138	9	INT. SEGMENT (3 3/4" - 4 3/4")	707-320-0100	6	14.00
20-139	10	L.H. SEGMENT (3 3/4" - 4 3/4")	707-320-0300	1	14.00
20-102	4	INSERT RET. PIN (4 1/2" - 5 3/4")	707-000-0600	9	.08
20-103	6	INSERT (4 1/2" - 5 3/4")	797-000-0000	27	.25
20-101	7	HINGE PIN (4 1/2" - 5 3/4")	707-000-0100	8	.86
20-120	8	R.H. SEGMENT (4 1/2" - 5 3/4")	707-420-0400	1	13.00
20-121	9	INT. SEGMENT (4 1/2" - 5 3/4")	707-420-0100	7	13.00
20-122	10	L.H. SEGMENT (4 1/2" - 5 3/4")	707-420-0300	1	13.00
20-102	4	INSERT RET. PIN (5 1/2" - 7")	707-000-0600	10	.08
20-103	6	INSERT (5 1/2" - 7")	797-000-0000	30	.25
20-101	7	HINGE PIN (5 1/2" - 7")	707-000-0100	9	.86
20-124	8	R.H. SEGMENT (5 1/2" - 7")	707-540-0400	1	11.00
20-125	9	INT. SEGMENT (5 1/2" - 7")	707-540-0100	8	11.00
20-126	10	L.H. SEGMENT (5 1/2" - 7")	707-540-0300	1	11.00
20-102	4	INSERT RET. PIN (6 3/4" - 8 1/4")	707-000-0600	11	.08
20-103	6	INSERT (6 3/4" - 8 1/4")	797-000-0000	33	.25
20-101	7	HINGE PIN (6 3/4" - 8 1/4")	707-000-0100	10	.86
20-129	8	R.H. SEGMENT (6 3/4" - 8 1/4")	707-660-0400	1	8.50
20-130	9	INT. SEGMENT (6 3/4" - 8 1/4")	707-660-0100	9	8.50
20-131	10	L.H. SEGMENT (6 3/4" - 8 1/4")	770-660-0300	1	8.50
20-104	5	INSERT RET. PIN (8 1/4" - 10")	707-000-0700	12	.07
20-103	6	INSERT (8 1/4" - 10")	797-000-0000	36	.25
20-101	7	HINGE PIN (8 1/4" - 10")	707-000-0100	11	.86
20-133	8	R.H. SEGMENT (8 1/4" - 10")	707-820-0400	1	6.00
20-134	9	INT. SEGMENT (8 1/4" - 10")	707-820-0100	10	6.00
20-135	10	L.H. SEGMENT (8 1/4" - 10")	707-820-0300	1	6.00

C-1 TYPE DRILL COLLAR SLIPS

The Ramey Martin “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 slip segments are made of alloy steel which are heat-treated for strength and wear resistance. The inserts are a continuous one-piece design with approximately 7 1/2” of contact length. The slip is load rated and has an API taper of 4”/ft on the diameter. For added safety, the Ramey Martin “C-1” Drill Collar Slip is also equipped with safety flex handles as a standard option.



TYPE C-1 DRILL COLLAR SLIP ASSEMBLIES

RMET#	D.C. SIZE/SLIP RECESS	SEG. PART NO.	SEG. QTY	TAPER/FT (TPF)	RATING (TONS)	WT. (LBS)
08-111-LR-F	3" - 4 1/2"	08-108	8	4.00"	120	112
08-112-LR-F	4 1/4" - 5 3/4"	08-121	10	4.00"	150	122
08-113-LR-F	5 1/2" - 7"	08-125	12	4.00"	200	134
08-114-LR-F	6 3/4" - 8 1/4"	08-130	12	4.00"	200	118
08-115-LR-F	8 1/2" - 10"	08-134	12	4.00"	200	98
08-116-LR-F*	10" - 11 1/4"	08-130	17	4.00"	200	165
08-117-LR-F**	11 1/4" - 12 3/4"	08-125	19	4.00"	200	209

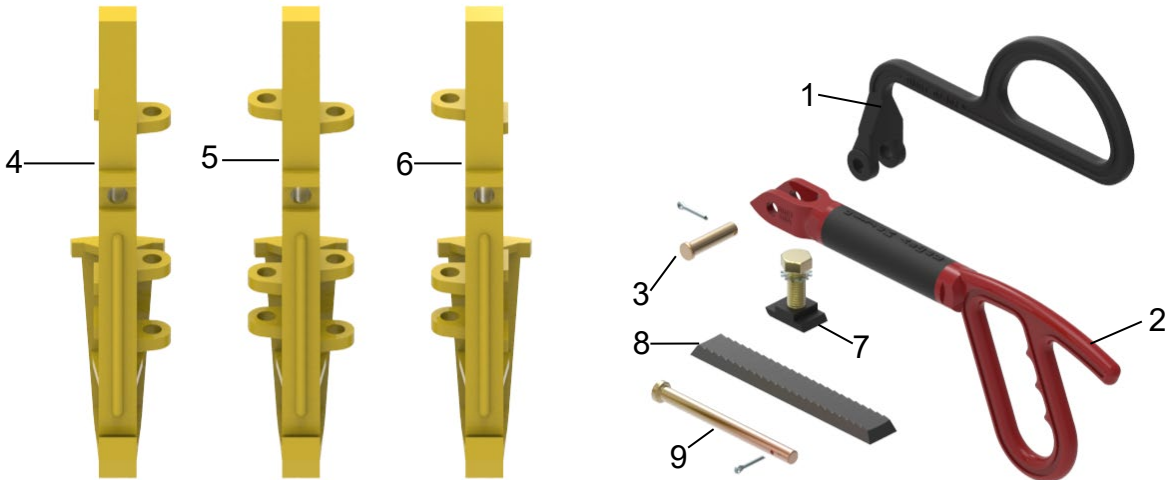
“C-1” TYPE SLIPS ARE AVAILABLE WITH STEEL HANDLES UPON REQUEST. TO ORDER, REMOVE THE (-F) FROM THE END OF THE PART#.

PARTS ARE INTERCHANGEABLE WITH CORRESPONDING DESIGN “C-1” DRILL COLLAR SLIPS

* FITS NO. 2 INSERT BOWL

** FITS NO. 1 INSERT BOWL

REPLACEMENT PARTS FOR C-1 DRILL COLLAR SLIPS



RMET#	ITEM#	DESCRIPTION	*SPARES	SIZE	#REQ.	REF.#	WT. (LBS)
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
08-136	2	FLEX HANDLE	3	3" – 10"	3	N/A	4.00
08-136	2	FLEX HANDLE	4	10" – 12 3/4"	4	N/A	4.00
08-103	3	HANDLE PIN W/ COTTER	1	3" – 10"	3	7638-E-2	.15
08-103	3	HANDLE PIN W/ COTTER	2	10" – 12 3/4"	4	7638-E-2	.15
08-107	4	R.H. SEGMENT		3" – 4 1/2"	1	7638-5099-11	10.75
08-108	5	INT. SEGMENT		3" – 4 1/2"	6	7638-5099-10	10.75
08-109	6	L.H. SEGMENT		3" – 4 1/2"	1	7638-5099-12	10.75
08-104	7	LINER KEEPER W/ BOLT & WASHER	4	3" – 4 1/2"	8	7638-5113	.40
08-105	8	RENEWABLE LINER		3" – 4 1/2"	8	7638-116	1.00
08-101	9	HINGE PIN W/ COTTER	3	3" – 4 1/2"	7	7638-B-59	.90
08-120	4	R.H. SEGMENT		4 1/4" – 5 3/4"	1	7638-5100-11	9.25
08-121	5	INT. SEGMENT		4 1/4" – 5 3/4"	8	7638-5100-10	9.25
08-122	6	L.H. SEGMENT		4 1/4" – 5 3/4"	1	7638-5100-12	9.25
08-104	7	LINER KEEPER W/ BOLT & WASHER	5	4 1/4" – 5 3/4"	10	7638-5113	.40
08-105	8	RENEWABLE LINER		4 1/4" – 5 3/4"	10	7638-116	1.00
08-101	9	HINGE PIN W/ COTTER	3	4 1/4" – 5 3/4"	9	7638-B-59	.90
08-124	4	R.H. SEGMENT		5 1/2" – 7"	1	7638-5101-11	8.25
08-125	5	INT. SEGMENT		5 1/2" – 7"	10	7638-5101-10	8.25
08-126	6	L.H. SEGMENT		5 1/2" – 7"	1	7638-5101-12	8.25
08-104	7	LINER KEEPER W/ BOLT & WASHER	6	5 1/2" – 7"	12	7638-5113	.40
08-105	8	RENEWABLE LINER		5 1/2" – 7"	12	7638-116	1.00
08-101	9	HINGE PIN W/ COTTER	3	5 1/2" – 7"	11	7638-B-59	1.15
08-129	4	R.H. SEGMENT		6 3/4" – 8 1/4"	1	7638-5102-11	7.00
08-130	5	INT. SEGMENT		6 3/4" – 8 1/4"	10	7638-5102-10	7.00
08-131	6	L.H. SEGMENT		6 3/4" – 8 1/4"	1	7638-5102-12	7.00
08-104	7	LINER KEEPER W/ BOLT & WASHER	6	6 3/4" – 8 1/4"	12	7638-5113	.40
08-105	8	RENEWABLE LINER		6 3/4" – 8 1/4"	12	7638-116	1.00
08-101	9	HINGE PIN W/ COTTER	3	6 3/4" – 8 1/4"	11	7638-B-59	.90
08-133	4	R.H. SEGMENT		8 1/2" – 10"	1	7638-5103-11	5.75
08-134	5	INT. SEGMENT		8 1/2" – 10"	10	7638-5103-10	5.75
08-135	6	L.H. SEGMENT		8 1/2" – 10"	1	7638-5103-12	5.75
08-104	7	LINER KEEPER W/ BOLT & WASHER	6	8 1/2" – 10"	12	7638-5113	.40
08-105	8	RENEWABLE LINER		8 1/2" – 10"	12	7638-116	1.00
08-106	9	HINGE PIN W/ COTTER	3	8 1/2" – 10"	11	N/A	.40

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

REPLACEMENT PARTS FOR C-1 DRILL COLLAR SLIPS

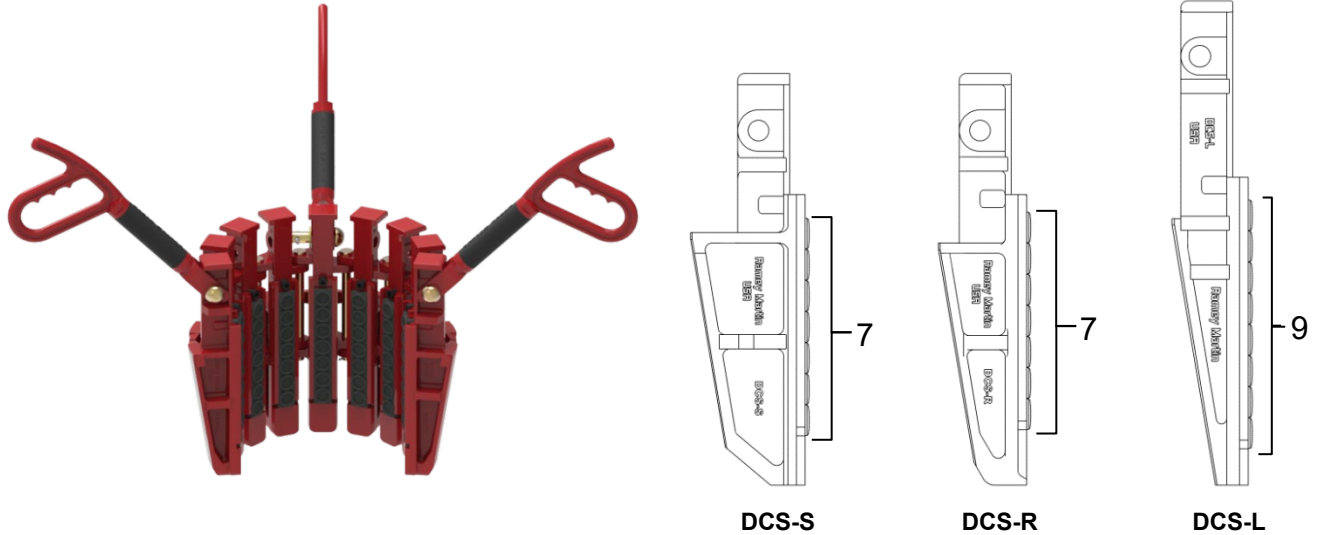
RMET#	ITEM#	DESCRIPTION	*SPARES	SIZE	#REQ.	REF.#	WT. (LBS)
08-129	4	R.H. SEGMENT		10" – 11 1/4"	1	7638-5102-11	7.00
08-130	5	INT. SEGMENT		10" – 11 1/4"	15	7638-5102-10	7.00
08-131	6	L.H. SEGMENT		10" – 11 1/4"	1	7638-5102-12	7.00
08-104	7	LINER KEEPER W/ BOLT & WASHER	8	10" – 11 1/4"	17	7638-5113	1.00
08-105	8	RENEWABLE LINER		10" – 11 1/4"	17	7638-116	1.00
08-101	9	HINGE PIN W/ COTTER	4	10" – 11 1/4"	16	7638-B-59	1.15
08-124	4	R.H. SEGMENT		11 1/4" – 12 3/4"	1	7638-5101-11	8.25
08-125	5	INT. SEGMENT		11 1/4" – 12 3/4"	17	7638-5101-10	8.25
08-126	6	L.H. SEGMENT		11 1/4" – 12 3/4"	1	7638-5101-12	8.25
08-104	7	LINER KEEPER W/ BOLT & WASHER	9	11 1/4" – 12 3/4"	19	7638-5113	1.00
08-105	8	RENEWABLE LINER		11 1/4" – 12 3/4"	19	7638-116	1.00
08-101	9	HINGE PIN W/ COTTER	4	11 1/4" – 12 3/4"	18	7638-B-59	1.15

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

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DCS DRILL COLLAR SLIPS

The Ramey Martin “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 longevity. The slip is load rated and has an API taper of 4”/ft on the diameter. For added safety, the Ramey Martin “DCS” Type Drill Collar Slip is also equipped with safety flex handles as a standard option.



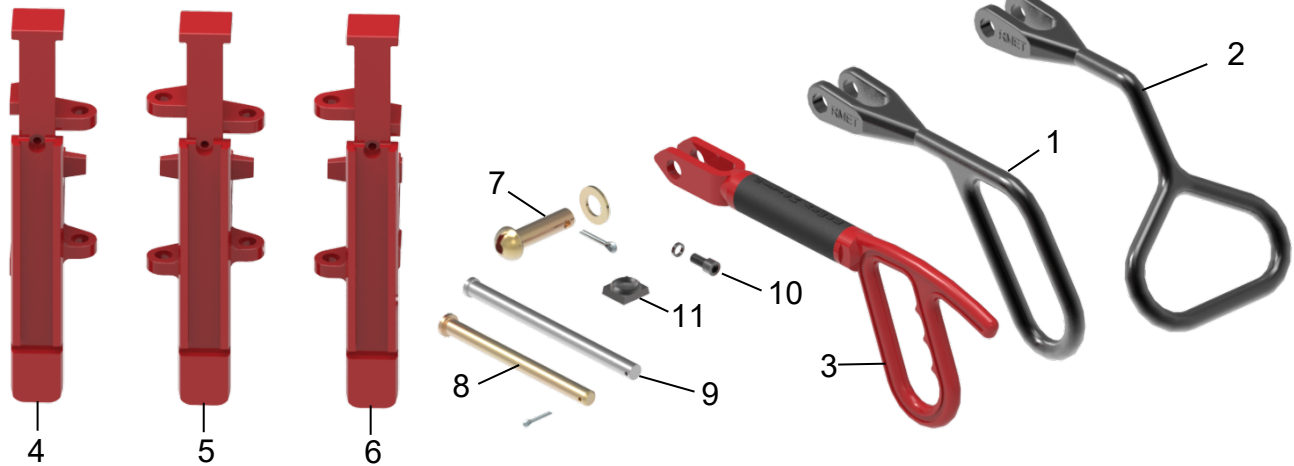
DCS DRILL COLLAR SLIP ASSEMBLIES

RMET#	SIZE RANGE	TYPE SLIP	SEG. QTY	TAPER/FT (TPF)	RATING (TONS)	WT. (LBS)
16-120-LR-F	3" – 4"	DCS-S	7	4.00"	120	112
16-121-LR-F	4" – 4 7/8"	DCS-S	7	4.00"	120	103
16-122-LR-F	4 1/2" – 6"	DCS-R	9	4.00"	150	120
16-123-LR-F	5 1/2" – 7"	DCS-R	9	4.00"	150	112
16-125-LR-F	5 1/2" – 7"	DCS-L	11	4.00"	165	172
16-126-LR-F	6 3/4" – 8 1/4"	DCS-L	11	4.00"	165	154
16-127-LR-F	8" – 9 1/2"	DCS-L	12	4.00"	180	173
16-128-LR-F	8 1/2" – 10"	DCS-L	13	4.00"	195	185
16-129-LR-F	9 1/4" – 11 1/4"	DCS-L	14	4.00"	210	198
16-130-LR-F	11" – 12 3/4"	DCS-L	17	4.00"	255	213
16-131-LR-F	12" – 14"	DCS-L	17	4.00"	255	207

NOTE:

SLIP SIZES 3" – 9 1/2" FOR USE IN API OR #3 BOWL (8 5/8" MAX)
 SLIP SIZES 8 1/2" – 11 1/4" FOR USE IN #2 BOWL (9 5/8" TO 10 3/4")
 SLIP SIZES 11" – 14" FOR USE IN #1 BOWL (11 3/4" TO 13 3/8")

REPLACEMENT PARTS FOR DCS DRILL COLLAR SLIPS



RMET#	ITEM#	DESCRIPTION	*SPARES	SIZE	#REQ	REF.#	WT. (LBS)
14-104	1	FRONT HANDLE	2	3" - 14"	2	3765	3.50
14-103	2	REAR HANDLE	1	3" - 10"	1	3766	4.00
14-103	2	REAR HANDLE	1	9 1/4" - 14"	2	3766	4.00
23-112	3	FLEX HANDLE		3" - 10"	3		
23-112	3	FLEX HANDLE		9 1/4" - 14"	4		
16-102	4	L.H. SEGMENT F/ DCS-S		3" - 4 7/8"	1	2569	11.00
16-103	5	INT. SEGMENT F/ DCS-S		3" - 4 7/8"	5	2570	11.00
16-104	6	R.H. SEGMENT F/ DCS-S		3" - 4 7/8"	1	2568	11.00
14-105	7	HANDLE PIN W/ WASHER & COTTER	3	3" - 4 7/8"	3	3769	.50
14-106	8	HINGE PIN F/ DCS-S	4	3" - 4 7/8"	6	2525	.70
14-091	10	BUTTON RETAINER SCREW W/ HCLW		3" - 4 7/8"	7	N/A	.05
16-105	4	L.H. SEGMENT F/ DCS-R		4 1/2" - 7"	1	2555	10.00
16-106	5	INT. SEGMENT F/ DCS-R		4 1/2" - 7"	7	2556	10.00
16-107	6	R.H. SEGMENT F/ DCS-R		4 1/2" - 7"	1	2554	10.00
14-105	7	HANDLE PIN W/ WASHER & COTTER	3	4 1/2" - 7"	3	3769	.50
14-106	8	HINGE PIN F/ DCS-R	4	4 1/2" - 7"	8	2525	.70
14-091	10	BUTTON RETAINER SCREW W/ HCLW		4 1/2" - 7"	9	N/A	.05
16-108	4	L.H. SEGMENT F/ DCS-L		5 1/2" - 8 1/4"	1	2511	12.00
16-109	5	INT. SEGMENT F/ DCS-L		5 1/2" - 8 1/4"	9	2512	12.00
16-110	6	R.H. SEGMENT F/ DCS-L		5 1/2" - 8 1/4"	1	2510	12.00
14-105	7	HANDLE PIN W/ WASHER & COTTER	3	5 1/2" - 8 1/4"	3	3769	.50
16-112	9	HINGE PIN F/ DCS-L	4	5 1/2" - 8 1/4"	10	2520	.70
14-091	10	BUTTON RETAINER SCREW W/ HCLW		5 1/2" - 8 1/4"	11	N/A	.05
16-108	4	L.H. SEGMENT F/ DCS-L		8" - 9 1/2"	1	2511	12.00
16-109	5	INT. SEGMENT F/ DCS-L		8" - 9 1/2"	10	2512	12.00
16-110	6	R.H. SEGMENT F/ DCS-L		8" - 9 1/2"	1	2510	12.00
14-105	7	HANDLE PIN W/ WASHER & COTTER	3	8" - 9 1/2"	3	3769	.50
16-112	9	HINGE PIN F/ DCS-L	4	8" - 9 1/2"	11	2520	.70
14-091	10	BUTTON RETAINER SCREW W/ HCLW		8" - 9 1/2"	12	N/A	.05
16-108	4	L.H. SEGMENT F/ DCS-L		8 1/2" - 10"	1	2511	12.00
16-109	5	INT. SEGMENT F/ DCS-L		8 1/2" - 10"	11	2512	12.00
16-110	6	R.H. SEGMENT F/ DCS-L		8 1/2" - 10"	1	2510	12.00
14-105	7	HANDLE PIN W/ WASHER & COTTER	3	8 1/2" - 10"	3	3769	.50
16-112	9	HINGE PIN F/ DCS-L	4	8 1/2" - 10"	12	2520	.70
14-091	10	BUTTON RETAINER SCREW W/ HCLW		8 1/2" - 10"	13	3748	.05

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

REPLACEMENT PARTS FOR DCS DRILL COLLAR SLIPS

RMET#	ITEM#	DESCRIPTION	*SPARES	SIZE	#REQ	REF.#	WT. (LBS)
16-108	4	L.H. SEGMENT F/ DCS-L		9 1/4" - 11 1/4"	1	2511	12.00
16-109	5	INT. SEGMENT F/ DCS-L		9 1/4" - 11 1/4"	12	2512	12.00
16-110	6	R.H. SEGMENT F/ DCS-L		9 1/4" - 11 1/4"	1	2510	12.00
14-105	7	HANDLE PIN W/ WASHER & COTTER	3	9 1/4" - 11 1/4"	4	3769	.50
16-112	9	HINGE PIN F/ DCS-L	4	9 1/4" - 11 1/4"	13	2520	.70
14-091	10	BUTTON RETAINER SCREW W/ HCLW		9 1/4" - 11 1/4"	14	N/A	.05
16-108	4	L.H. SEGMENT F/ DCS-L		11" - 14"	1	2511	12.00
16-109	5	INT. SEGMENT F/ DCS-L		11" - 14"	15	2512	12.00
16-110	6	R.H. SEGMENT F/ DCS-L		11" - 14"	1	2510	12.00
14-105	7	HANDLE PIN W/ WASHER & COTTER	3	11" - 14"	4	3769	.50
16-112	9	HINGE PIN F/ DCS-L	4	11" - 14"	16	2520	.70
14-091	10	BUTTON RETAINER SCREW W/ HCLW		11" - 14"	17	N/A	.05

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

BUTTON AND CROSS REF. INSERTS F/ DCS DRILL COLLAR SLIPS

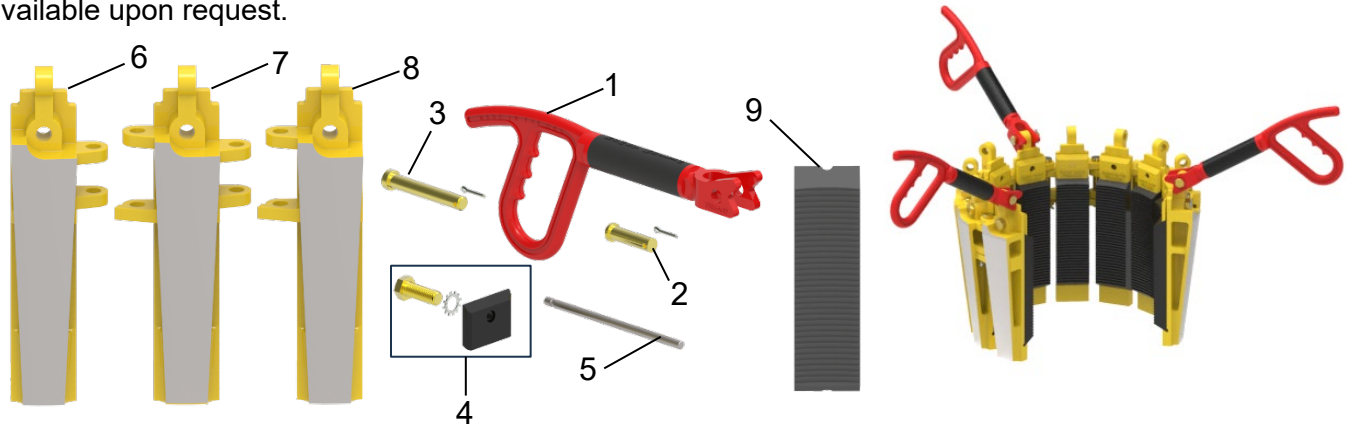
RMET# (BUTTON #11)	SLIP TYPE	SIZE	QTY	WT. (LBS)/SET	RMET# (INSERT)	QTY	WT. (LBS)/SET
2628	DCS-S	3" - 4"	49	13	2632	21	15
2620	DCS-S	4" - 4 7/8"	49	7	2634	21	4
2628	DCS-R	4 1/2" - 6"	63	17	2632	27	20
2620	DCS-R	5 1/2" - 7"	63	9	2634	27	5
2513	DCS-L	5 1/2" - 7"	88	26	2521	33	7
2630	DCS-L	6 3/4" - 8 1/4"	88	11	2633	33	12
2630	DCS-L	8" - 9 1/2"	96	13	2633	36	13
2627	DCS-L	8 1/2" - 10"	104	23	2637	39	15
2630	DCS-L	9 1/4" - 11 1/4"	112	15	2633	42	15
2625	DCS-L	11" - 12 3/4"	136	38	2638	51	11
2630	DCS-L	12" - 14"	136	18	2633	51	19

* RECOMMENDED SPARE PARTS INCLUDE 2 SETS OF INSERTS FOR EACH SLIP SIZE

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UC-3 CASING SLIPS

The “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 36”. The inserts are a continuous one-piece design with approximately 8 1/2” of contact length. For added safety, the Ramey Martin “UC-3” Casing Slip is also equipped with safety flex handles as a standard option with steel handles available upon request.



UC-3 CASING SLIP ASSEMBLIES

RMET#	SLIP SIZE	W/ INSERTS F/ O.D.	INT. SEG./PN (#7)	R.H. SEG./PN (#8)	L.H. SEG./PN (#6)	T.P.F	WT. (LBS)
7704-5025-F	13 3/8"	13 3/8" O.D.	10 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	3.00"	195
7704-5026-F	13 3/8"	12 3/4" O.D.	10 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	3.00"	225
7704-5027-F	13 3/8"	11 3/4" O.D.	10 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	3.00"	315
7704-104-F	13 3/8"	LESS LINERS	10 / 7704-A-35	1 / 7704-A-36	1 / 7704-A-37	3.00"	152
7704-5028-F	10 3/4"	10 3/4" O.D.	8 / 7704-A-31	1 / 7704-A-32	1 / 7704-A-33	3.00"	160
7704-5029-F	10 3/4"	9 5/8" O.D.	8 / 7704-A-31	1 / 7704-A-32	1 / 7704-A-33	3.00"	180
7704-103-F	10 3/4"	LESS LINERS	8 / 7704-A-31	1 / 7704-A-32	1 / 7704-A-33	3.00"	130

REPLACEMENT PARTS FOR UC-3 CASING SLIPS

RMET#	ITEM#	DESCRIPTION	10 3/4"	13 3/8"	16"	20"	24"	26"	30"	36"	42"	WT. (LBS)
7704-A-17-F	1	FLEX HANDLE	3	4	4	4	4	4	4	6	6	4.00
7704-A-17	N/P	HANDLE	3	4	4	4	4	4	4	6	6	5.50
7704-A-16	2	HANDLE PIN W/ COTTER	3	4	4	4	4	4	4	6	6	.5
7704-B-16	3	HINGE PIN W/ COTTER	9	11	13	16	18	20	23	27	31	.375
7704-5024	4	KEEPER ASSY. W/ BOLT & WSHR	10	12	14	17	19	21	24	28	32	.25
7704-A-29	5	LINER RETAINER W/ COTTER	*	*	*	*	*	*	*	*	*	.25

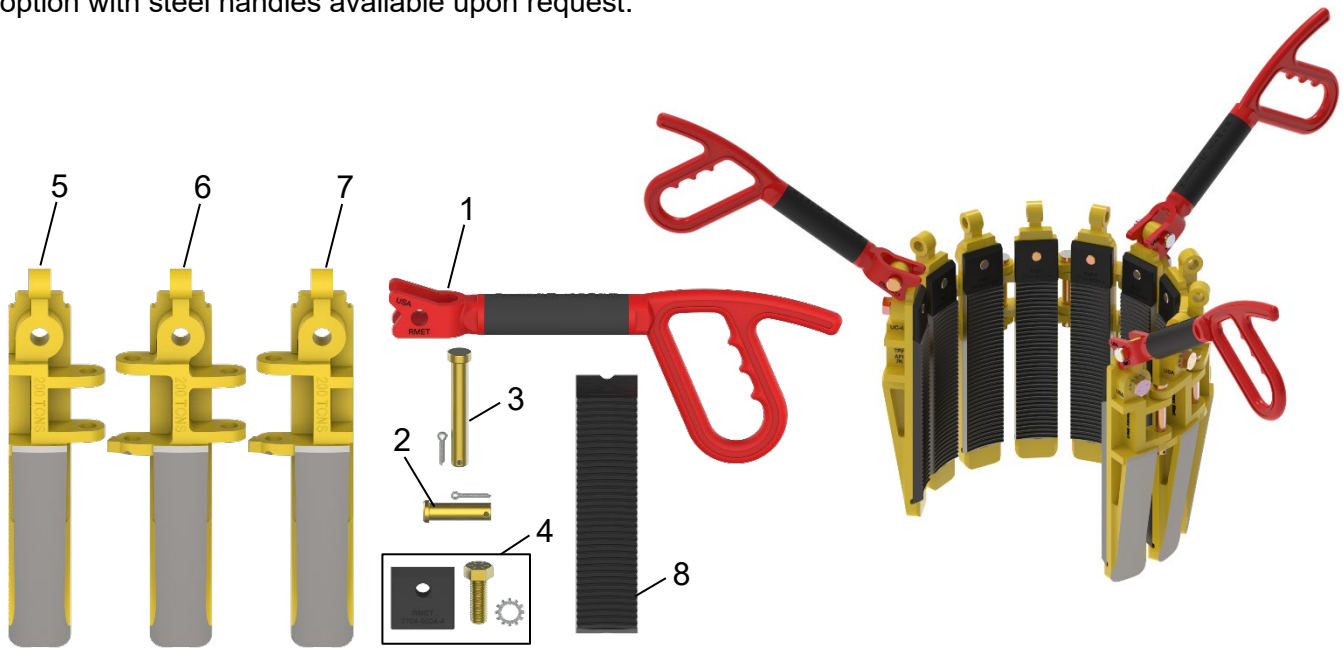
* NOT REQUIRED FOR RMET UC-3 SEGMENT

LINERS FOR UC-3 CASING SLIPS

RMET#	ITEM#	SLIP SIZE	PIPE SIZE	#REQ.	WT. (LBS)
7704-A-8	9	10 3/4"	10 3/4"	10	3.50
7704-A-9	9	10 3/4"	9 5/8"	10	7.38
7704-A-38	9	13 3/8"	13 3/8"	12	3.75
7704-A-92	9	13 3/8"	12 3/4"	12	5.75
7704-A-39	9	13 3/8"	11 3/4"	12	10.18
7704-A-45	9	16"	16"	14	3.40
7704-A-99	9	20"	20"	17	3.40
7704-A-5000	9	20"	18 5/8"	17	6.80
7704-A-99	9	24"	24"	19	3.40
7704-A-5000	9	24"	24 1/2"	19	6.80
7704-A-100	9	26" – 36"	24" – 36"	A/R	3.30

UC-4 CASING SLIPS

The “UC-4” Type Casing Slip has a 4” taper designed with a single liner per segment and a liner keeper assembly with bolt and washer. It has a size range of 7” through 8 5/8” and is load rated for 200 Tons. The inserts are a continuous one-piece design with approximately 8 1/2” of contact length. For added safety, the Ramey Martin “UC-4” Casing Slip is also equipped with safety flex handles as a standard option with steel handles available upon request.



UC-4 CASING SLIP ASSEMBLIES

RMET#	SLIP SIZE	W/ INSERTS FOR O.D.	RATING (TONS)	TAPER/FT (TPF)	WT. (LBS)
7704-5031-LR-F	8 5/8"	8 5/8" O.D.	200	4.00"	137
7704-5032-LR-F	8 5/8"	7 5/8" O.D.	200	4.00"	168
7704-5033-LR-F	8 5/8"	7" O.D.	200	4.00"	176
7704-111-LR-F	8 5/8"	LESS LINERS	200	4.00"	113

“UC-4” TYPE SLIPS ARE AVAILABLE WITH STEEL HANDLES UPON REQUEST. TO ORDER, REMOVE THE (-F) FROM THE END OF THE PART#.

REPLACEMENT PARTS FOR UC-4 CASING SLIPS

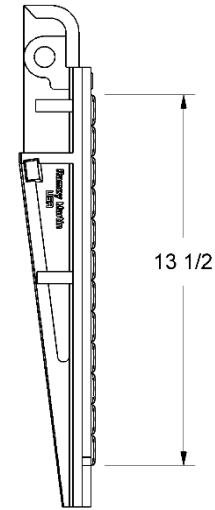
RMET#	ITEM#	DESCRIPTION	#REQ	WT. (LBS)
7704-A-17-F	1	FLEX HANDLE	3	4.00
7704-A-17	N/P	STEEL HANDLE	3	5.50
7704-A-16	2	HANDLE PIN W/ COTTER	3	.5
7704-B-16	3	HINGE PIN W/ COTTER	9	.375
7704-5024-4	4	KEEPER ASSY. W/ BOLT & WASHER.	10	.25
7704-A-114	5	L.H. UC-4 SEGMENT	1	8.75
7704-A-110	6	INT. UC-4 SEGMENT	8	8.5
7704-A-115	7	R.H. UC-4 SEGMENT	1	8.5

LINERS FOR UC-4 CASING SLIPS

RMET#	ITEM#	SLIP SIZE	PIPE SIZE	#REQ.	WT. (LBS)
7704-A-22	8	8 5/8"	8 5/8"	10	2.90
7704-A-113	8	8 5/8"	7 5/8"	10	5.70
7704-A-112	8	8 5/8"	7"	10	7.20

TYPE CMS CASING SLIPS

The Ramey Martin “CMS” 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. CMS-XL slip has an API taper of 4”/ft on the diameter while the CMS-3 slip has an API taper of 3”/ft on the diameter. For added safety, the Ramey Martin “CMS” Casing Slip is also equipped with safety flex handles as a standard option with steel handles available upon request.



CMS-XL CASING SLIP ASSEMBLIES

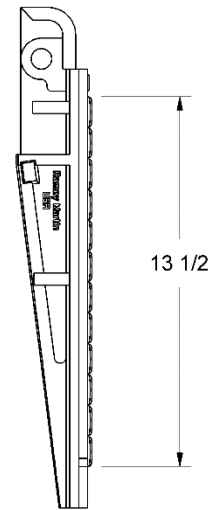
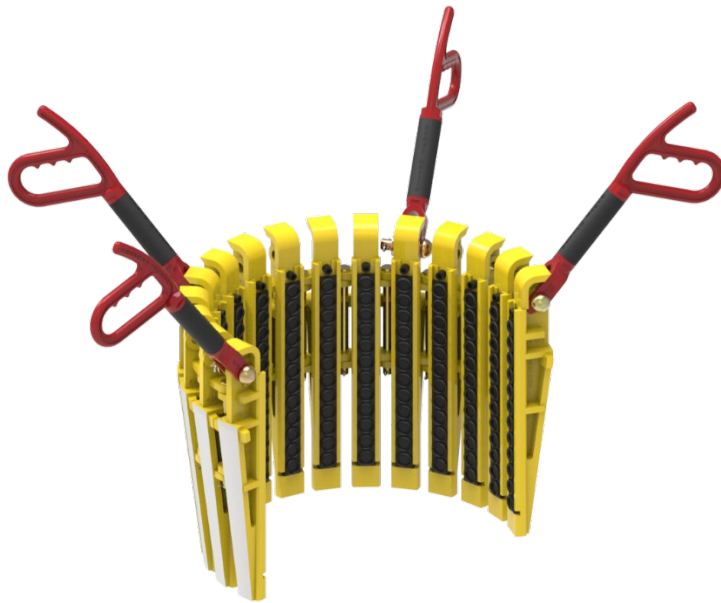
RMET#	CASING O.D.	WT. (LBS) COMP.	SEG. QTY	TAPER/FT (TPF)	RATING (TONS) *	HINGE PINS	NO. OF HANDLES	BUTTON# - QTY	INSERT# - QTY
14-111-LR-F	6 5/8"	205	12	4.00"	180	11	3	2628-144	2632-60
14-112-LR-F	7"	206	12	4.00"	180	11	3	2619-144	2623-60
14-113-LR-F	7 5/8"	204	12	4.00"	180	11	3	2630-144	2633-60
14-114-LR-F	8 5/8"	220	13	4.00"	195	12	3	2630-156	2633-65
14-115-LR-F	9 5/8"	240	14	4.00"	210	13	4	2630-168	2633-70
14-116-LR-F	10 3/4"	256	15	4.00"	225	14	4	2630-180	2637-75
14-117-LR-F	11 3/4"	288	17	4.00"	255	16	4	2627-204	2636-85
14-118-LR-F	13 3/8"	304	18	4.00"	270	17	4	2630-216	2637-90
14-128-LR-F	13 5/8"	335	18	4.00"	270	17	4	16698-216	-
14-119-LR-F	16"	351	21	4.00"	315	20	4	2631-252	2635-105
14-120-18-LR-F	18"	405	24	4.00"	360	23	4	2625-288	-
14-120-LR-F	18 5/8"	417	25	4.00"	375	24	4	2626-300	2638-125
14-121-LR-F	20"	416	25	4.00"	390	24	4	2631-300	2635-130
14-162-LR-F	22"	548	29	4.00"	435	28	4	13868-348	-
14-122-LR-F	24"	500	30	4.00"	450	29	5	2631-360	2635-150
14-123-LR-F	26"	531	32	4.00"	480	31	5	2631-384	2635-160
14-124-28-LR-F	28"	541	36	4.00"	500	35	5	16698-432	-
14-124-LR-F	30"	598	36	4.00"	500	35	5	2631-432	2635-180

CPS CONDUCTOR PIPE SLIP ASSEMBLIES (4" TPF)



RMET#	PIPE O.D.	RATING(TONS)	WT. (LBS)	TOTAL SEGMENTS	HINGE SPACERS	NO. OF HANDLES	BUTTON# - QTY
14-250-LR-F	24"	180	240	12	11	4	2631-144
14-270-LR-F	26"	195	258	13	12	4	2631-156
14-340-LR-F	30"	225	295	15	14	4	2631-180
14-350-LR-F	36"	270	350	18	17	4	2631-216

CMS-3 CASING SLIP ASSEMBLIES



RMET#	CASING O.D.	WT. (LBS) COMP.	SEG. QTY	TAPER /FT (TPF)	HINGE PINS	NO. OF HANDLES	BUTTON# - QTY
14-134-F	9 5/8"	214	15	3.00"	13	4	2513-180
14-135-F	10 3/4"	224	15	3.00"	14	4	2630-180
14-136-F	11 3/4"	255	17	3.00"	16	4	2627-204
14-137-F	13 3/8"	268	18	3.00"	17	4	2630-216
14-138-F	16"	310	21	3.00"	20	4	2631-252
14-139-F	18 5/8"	367	25	3.00"	24	4	2626-300
14-140-F	20"	366	25	3.00"	24	4	2631-312
14-141-F	24"	440	30	3.00"	29	5	2631-360
14-142-F	26"	468	32	3.00"	31	5	2631-396
14-143-F	30"	524	36	3.00"	35	5	2631-444

REPLACEMENT PARTS FOR CMS & CPS SLIPS



RMET#	ITEM#	DESCRIPTION	REF.#	*SPARES	WT. (LBS)
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		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
23-112	6	SAFETY FLEX HANDLE	N/A	3	4.00
14-090	N/P	BUTTON RETAINER (COTTER PIN)	N/A		.05
14-091	7	BUTTON RETAINER SCREW W/ HCLW	N/A		.05
N/A	8	BUTTON INSERTS (SEE TABLES PAGE 37-39)	N/A		-
14-104	9	FRONT HANDLE	3765	2	3.50
14-103	10	REAR HANDLE	3766	1	4.00
14-109	11	HINGE SPACER	11944		4.00

*RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION INCLUDING 1 SET OF INSERTS FOR EACH PIPE SIZE

TYPE C SAFETY CLAMPS

The Ramey Martin Type “C” Safety Clamp helps guard against dropping flush-joint pipe, streamlined drill collars, etc. into the hole while making-up or breaking-out the string. 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 insert which acts as a gripping member, much like a tapered rotary slip, and each insert is held in a retracted position on the taper by spring tension. When the clamp is tightened, each small insert takes a firm initial grip on the surface of the pipe. Should the pipe start to fall, or should load increase occur against the inserts, the taper mounting causes each insert 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 insert, 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)

RMET#	RANGE O.D. SIZE	REFERENCE	LINKS REQUIRED	WT. (LBS)
12-127	3 3/4" - 4 5/8"	7624-5055	7	53
12-128	4 1/2" - 5 5/8"	7624-5056	8	63
12-129	5 1/2" - 6 5/8"	7624-5057	9	68
12-130	6 1/2" - 7 5/8"	7624-5058	10	73
12-131	7 1/2" - 8 5/8"	7624-5059	11	78
12-132	8 1/2" - 9 5/8"	7624-5060	12	83
12-133	9 1/2" - 10 5/8"	7624-5061	13	88

TYPE “CL” (SINGLE SCREW)

RMET#	RANGE O.D. SIZE	REFERENCE	LINKS REQUIRED	WT. (LBS)
12-134	10 1/2" - 11 5/8"	7624-5062	14	94
12-135	11 1/2" - 12 5/8"	7624-5063	15	99
12-136	12 1/2" - 13 5/8"	7624-5064	16	104
12-137	13 1/2" - 14 5/8"	7624-5065	17	109
12-138	14 1/2" - 15 5/8"	7624-5066	18	118

TYPE “CXL” (DOUBLE SCREW)

RMET#	RANGE O.D. SIZE	REFERENCE	LINKS REQUIRED	WT. (LBS)
12-145	15 1/2" - 17"	7624-5084	18	136
12-146	16 1/2" - 18"	7624-5085	19	141
12-147	17 1/2" - 19"	7624-5086	20	146
12-148	18 1/2" - 20"	7624-5087	21	151
12-149	19 1/2" - 21"	7624-5088	22	156

CLAMPS WITH LIFTING CLEVIS

TYPE "CL" (SINGLE SCREW) CLAMPS WITH LIFTING CLEVIS

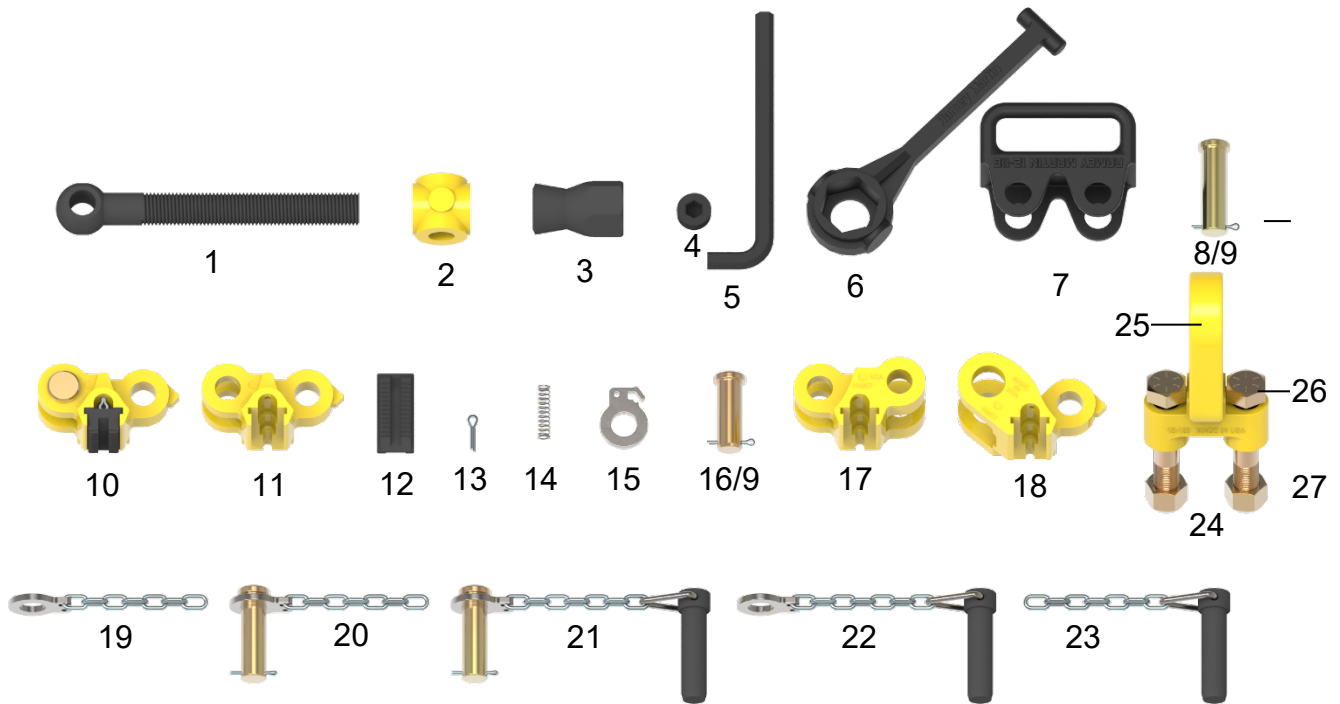
RMET#	RANGE O.D. SIZE	REFERENCE	LINKS REQUIRED	WT. (LBS)
12-150	10 1/2" - 11 5/8"	7624-5072	14	113
12-151	11 1/2" - 12 5/8"	7624-5073	15	118
12-152	12 1/2" - 13 5/8"	7624-5074	16	123
12-153	13 1/2" - 14 5/8"	7624-5075	17	128
12-154	14 1/2" - 15 5/8"	7624-5076	18	133

TYPE "CXL" (DOUBLE SCREW) CLAMPS WITH LIFTING CLEVIS

RMET#	RANGE O.D. SIZE	REFERENCE	LINKS REQUIRED	WT. (LBS)
12-155	15 1/2" - 17"	7624-5095	18	200
12-156	16 1/2" - 18"	7624-5096	19	205
12-157	17 1/2" - 19"	7624-5097	20	210
12-158	18 1/2" - 20"	7624-5098	21	215
12-159	19 1/2" - 21"	7624-5099	22	220
12-160	21 1/8" - 23"	-	24	230
12-161	24 1/8" - 26"	-	27	245
12-162	29 1/2" - 31"	7624-5100	32	270
12-163	35 1/2" - 37"	7624-5101	38	300
12-164	41 1/2" - 43"	7624-5102	44	330

ALL CLAMPS COME COMPLETE WITH WRENCH. BOX SOLD SEPERATELY.
 ALL CLAMPS PURCHASED WITH LIFTING CLEVIS HAVE THEIR LIFT CLEVIS UNINSTALLED WHEN SOLD WITH BOX.

REPLACEMENT PARTS FOR TYPE C SAFETY CLAMPS

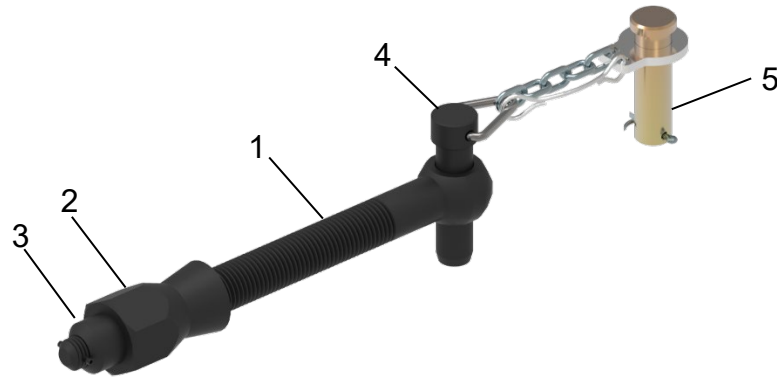


RMET#	ITEM	DESCRIPTION	REF#	*SPARES	WT. (LBS)
11-111	1	SCREW	7624-A-5	1	4.00
11-113	2	PIVOT BLOCK	7624-A-5000	1	1.50
11-112	3	NUT	7624-B-5	1	1.50
11-114	4	PIVOT BLOCK PIN	7624-D-5	2	.25
11-119	5	PIVOT BLOCK PIN WRENCH	900533-12		.25
11-115	6	NUT WRENCH	7624-A-25	1	3.50
12-116	7	HANDLE	7624-A-6	1 SET	3.00
11-117	8	HANDLE LINK PIN W/ COTTER	7624-G-5	AS REQ'D	.75
11-107	9	COTTER F/ LINK PIN	900620-36		.01
12-101	10	LINK ASSY. COMPLETE	7624-A-7		5.00
12-102	11	LINK INTERMEDIATE	7624-A-1	1 SET	3.75
12-103	12	INSERT	7624-A-4	1 SET	.60
12-104	13	COTTER F/ INSERT	900620-65		.01
12-105	14	SPRING F/ INSERT	7624-E-5	1 SET	.01
11-110-R	15	END LINK PIN RETAINER	-		.18
11-106	16	LINK PIN W/ COTTER	76924-C-5	1 SET	.70
12-108	17	END LINK (SCREW)	7624-A-3	1	4.50
12-109	18	END LINK (PIVOT BLOCK)	7624-A-24	1	3.50
11-110-RA	19	END LINK RETAINER W/ CHAIN	-		.30
11-110-2	20	END LINK PIN RETAINER W/ CHAIN AND HANDLE PIN	-		1.14
11-110-1	21	END LINK PIN W/ CHAIN & RETAINER ASSEMBLY	-	1	2.24
11-110-S	22	END LINK PIN W/ CHAIN & RETAINER	-		1.40
11-110-4	N/P	END LINK PIN W/ CABLE AND RETAINER	-		1.30
11-110	23	END LINK PIN W/ CHAIN	7624-F-5		1.22
11-110-3	N/P	END LINK PIN W/ CABLE	-		1.12
11-120	N/P	SAFETY CLAMP BOX	7624-A-9		20.00
12-119	24	LIFTING CLEVIS COMPLETE	7624-29		11.30
12-120	25	LIFTING CLEVIS ONLY	7624-A-29		7.70
12-122	26	LIFTING CLEVIS BOLT	-		1.50
12-123	27	LIFTING CLEVIS NUT	-		.30

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

SAFETY CLAMP CONVERSION KIT A

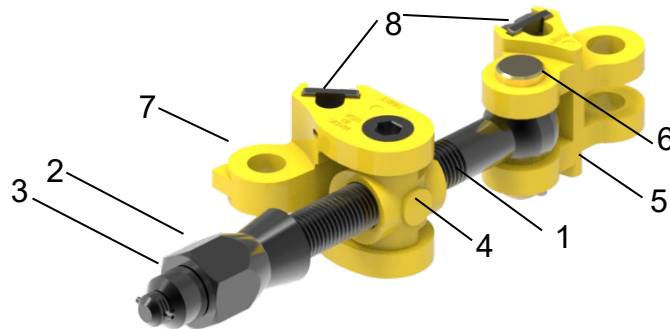
The Ramey Martin Clamp Conversion Kit A is designed to allow the end link pin to be removed from the screw to open the clamp. A special lock bushing and retainer added to the screw is designed to prevent the nut from backing off. The end link pin also includes a double lanyard for added support.



RMET#	ITEM	DESCRIPTION	WT. (LBS)
12-100-A		SAFETY CLAMP CONVERSION KIT A	8.80
11-111-S	1	SAFETY CLAMP SCREW, SPECIAL	4.50
11-112	2	NUT FOR T & C SAFETY CLAMP	1.75
11-111-LB	3	SAFETY CLAMP SCREW LOCK BUSHING	.30
11-110-SD	4	END LINK PIN W/ CHAIN, CABLE, AND RETAINER	1.40
11-117	5	HANDLE PIN W/ COTTER	.85

SAFETY CLAMP CONVERSION KIT B

The Ramey Martin Conversion Kit B is designed to keep the screw securely pinned to the clamp while using the special pivot block to release and open the safety clamp. The screw is designed to fit a special lock bushing and retainer to prevent the nut from falling off.



RMET#	ITEM	DESCRIPTION	WT. EA. (LBS)
12-100-B		SAFETY CLAMP CONVERSION KIT B	18.75
11-111-S	1	SAFETY CLAMP SCREW, SPECIAL	4.50
11-112	2	NUT FOR T & C SAFETY CLAMP	1.75
11-111-LB	3	SAFETY CLAMP SCREW LOCK BUSHING	.30
11-113-S	4	PIVOT BLOCK, SPECIAL	1.15
12-108-S	5	END LINK SCREW, SPECIAL (LESS INSERT AND SPRING)	4.00
11-117	6	HANDLE PIN W/ COTTER	.85
11-109	7	END LINK PIVOT BLOCK	4.75
12-103	8	TYPE C SAFETY CLAMP INSERT (2)	.60
12-105	N/P	TYPE C SAFETY CLAMP SPRING (2)	.01

TYPE T SAFETY CLAMPS

The Ramey Martin Type “T” Safety Clamp is designed for small diameter pipe 1 1/8” – 4 1/2” O.D. Each link changes the effective 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 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 other applications.

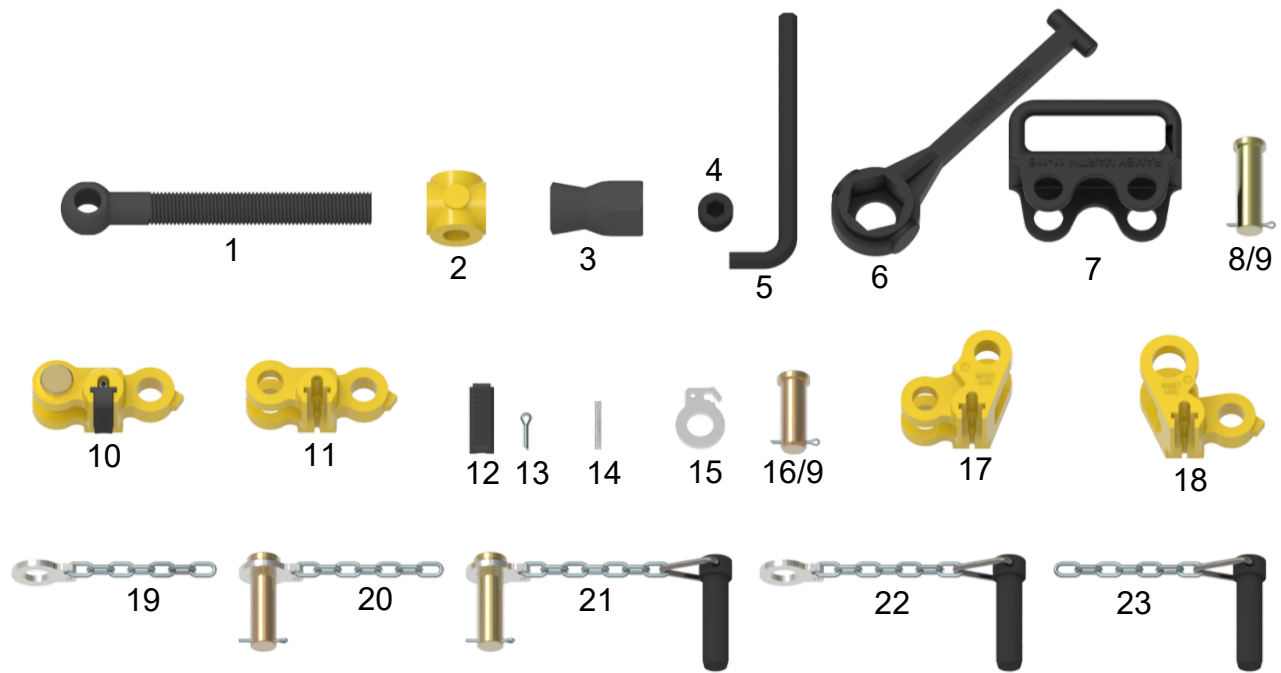


TYPE T SAFETY CLAMP ASSEMBLIES

RMET#	RANGE O.D. SIZE	REFERENCE	LINKS REQUIRED	WT. (LBS)
11-125	1 1/8" - 2"	7624-5103	4	37
11-126	2 1/8" - 3 1/4"	7624-5104	5	41
11-127	3 1/2" - 4 1/2"	7624-5105	6	44

ALL CLAMPS COME COMPLETE WITH WRENCH. BOX SOLD SEPERATELY.

REPLACEMENT PARTS FOR TYPE T SAFETY CLAMPS



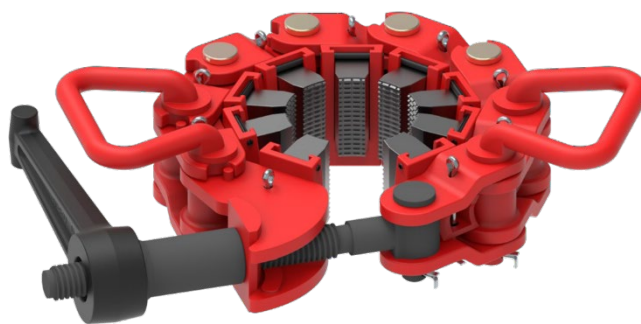
RMET#	ITEM	DESCRIPTION	REF#	*SPARES	WT. (LBS)
11-111	1	SCREW	7624-A-5	1	4.00
11-113	2	PIVOT BLOCK	7624-A-5000	1	1.50
11-112	3	NUT	7624-B-5	1	1.50
11-114	4	PIVOT BLOCK PIN	7624-D-5	2	.25
11-119	5	PIVOT BLOCK PIN WRENCH	900533-12		.25
11-115	6	NUT WRENCH	7624-A-25	1	3.50
11-116	7	HANDLE	7624-A-22	1 SET	3.00
11-117	8	HANDLE LINK PIN W/ COTTER	7624-G-5	AS REQ'D	.75
11-107	9	COTTER F/ LINK PIN	900620-36		.01
11-101	10	LINK ASSY. COMPLETE	7624-B-7		5.00
11-102	11	LINK INTERMEDIATE	7624-A-18	1 SET	3.75
11-103	12	INSERT	7624-A-21	1 SET	.60
11-104	13	COTTER F/ INSERT	900620-52		.01
11-105	14	SPRING F/ INSERT	7624-B-21	1 SET	.01
11-110-R	15	END LINK PIN RETAINER	-	1	.18
11-106	16	LINK PIN W/ COTTER	7624-C-5	1 SET	.70
11-108	17	END LINK (SCREW)	7624-A-20	1	4.50
11-109	18	END LINK (PIVOT BLOCK)	7324-A-19	1	3.50
11-110-PA	19	END LINK RETAINER W/ CHAIN	-		.30
11-110-2	20	END LINK PIN RETAINER W/ CHAIN AND HANDLE PIN	-		1.14
11-110-1	21	END LINK PIN W/ CHAIN & RETAINER ASSEMBLY	-	1	2.24
11-110-S	22	END LINK PIN W/ CHAIN & RETAINER	-		1.40
11-110-4	N/P	END LINK PIN W/ CABLE AND RETAINER	-		1.30
11-110	23	END LINK PIN W/ CHAIN	7624-F-5		1.22
11-110-3	N/P	END LINK PIN W/ CABLE	-		1.12
11-120	N/P	SAFETY CLAMP BOX	7624-A-9		20.00

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF SERVICE

PARTS ARE INTERCHANGEABLE WITH CORRESPONDING DESIGN TYPE "T" SAFETY CLAMPS

TYPE MP SAFETY CLAMPS

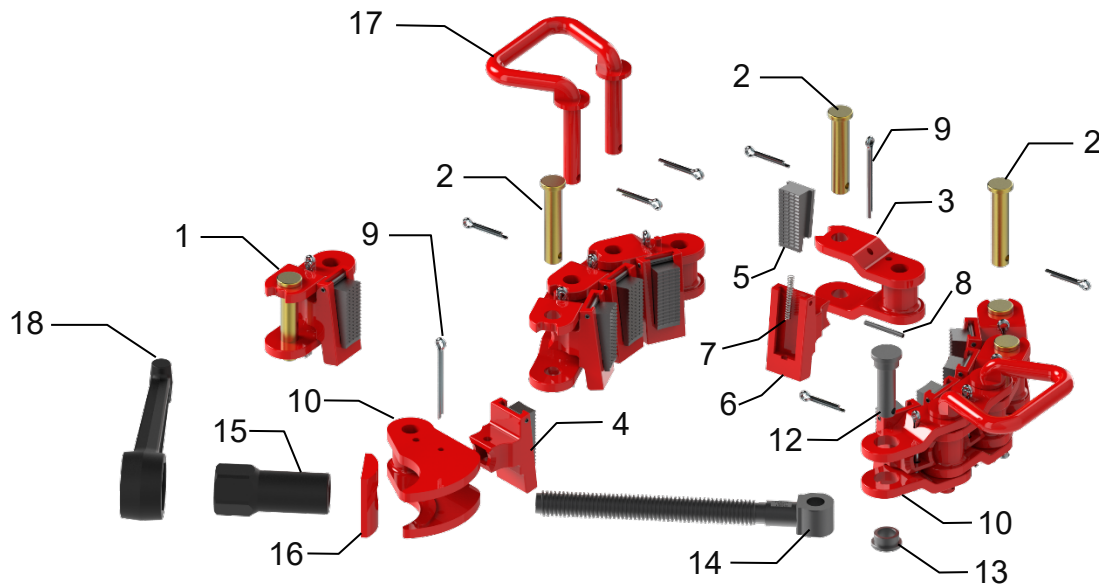
The Ramey Martin Type "MP" Safety Clamp is ideal to help safeguard against dropping strings of flush joint tubing while making up or breaking out the string. The multi-link design provides uniform pressure around the pipe reducing the risk of crushing or damaging the pipe. Each assembly is provided with its own aluminum box as a standard option.



TYPE MP SAFETY CLAMP ASSEMBLIES

RMET#	RANGE	REF#	# LINKS	GRIPPING DIES	WT. (LBS)
MP-S					
31-009	2 7/8" - 4 1/8"	33030	7	8	86
31-010	4" - 5"	33031	8	9	94
MP-R					
31-011	4 1/2" - 5 5/8"	33011	7	8	80
31-012	5 1/2" - 7"	33012	8	9	88
31-013	6 3/4" - 8 1/4"	33013	9	10	97
31-014	8" - 9 1/4"	33014	10	11	106
31-015	9 1/4" - 10 1/2"	33015	11	12	115
MP-M					
31-016	10 1/2" - 11 1/2"	33016	12	13	163
31-017	11 1/2" - 12 1/2"	33017	13	14	171
31-018	12 1/2" - 13 5/8"	33018	14	15	179
31-019	13 5/8" - 14 3/4"	33019	15	16	187
31-020	14 3/4" - 15 7/8"	33020	16	17	195
MP-L					
31-021	15 7/8" - 17"	33021	17	18	215
31-022	17" - 18 1/2"	33022	18	19	223
31-023	18 1/8" - 19 3/8"	33023	19	20	231
MP-XL					
31-024	19 3/8" - 20 3/8"	33024	19	20	280
31-025	20 3/8" - 21 1/2"	33025	20	21	288
31-032	21" - 22 5/8"	33032	21	22	296
31-033	22 5/8" - 23 3/4"	33033	22	23	304
31-034	23 3/4" - 24 7/8"	33034	23	24	312
31-035	24 7/8" - 26"	33035	24	25	320
31-036	26" - 27 1/8"	33036	25	26	328
31-039	29 3/8" - 30 1/2"	33039	28	29	336

REPLACEMENT PARTS FOR TYPE MP SAFETY CLAMPS



RMET#	ITEM#	DESCRIPTION	CLAMP TYPE	REF.#	QTY.	WT. (LBS)
31-335	1	LINK COMPLETE	MP-S ONLY	3335	A/R	9.00
31-319	1	LINK COMPLETE	ALL EXCEPT MP-S	3319	A/R	8.75
31-307	2	PIN, FOR LINK (W/ COTTER)	ALL	3307	A/R	.75
31-306	3	LINK (W/ COTTER)	ALL	3306	A/R	4.50
31-325	4	CARRIER ASSY. (W/DIE)	MP-S ONLY	3325	A/R	3.00
31-324	4	CARRIER ASSY. (W/DIE)	ALL EXCEPT MP-S	3324	A/R	2.50
31-333	5	DIE (W/RETAINER)	MP-S ONLY	3333	A/R	1.50
31-310	5	DIE (W/RETAINER)	ALL EXCEPT MP-S	3310	A/R	.85
31-309	6	CARRIER (LESS DIE)	ALL	3309	A/R	2.50
31-311	7	SPRING	ALL	3311	A/R	.10
31-418	8	ROLL PIN (DIE KEEPER)	ALL	51604-18	A/R	.10
31-528	9	COTTER PIN (F/ CARRIER)	ALL	51405-28	A/R	.18
31-318	10	SIDE BAR LINKS (PAIR)	ALL	3318	A/R	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	N/A	COTTER F/ LINK PIN	ALL	51405-10	A/R	.08
31-302	14	SCREW	ALL	3302	1	5.25
31-303	15	NUT F/ SCREW	ALL	3303	1	1.00
31-714	16	THRUST WASHER	ALL	2714	1	3.50
31-305	17	HANDLE	MP-S,MP-R, & MP-M	3305	2	4.50
31-305	17	HANDLE	MP-L & MP-XL	3305	4	4.50
31-320	18	NUT WRENCH	ALL	3320	1	5.00

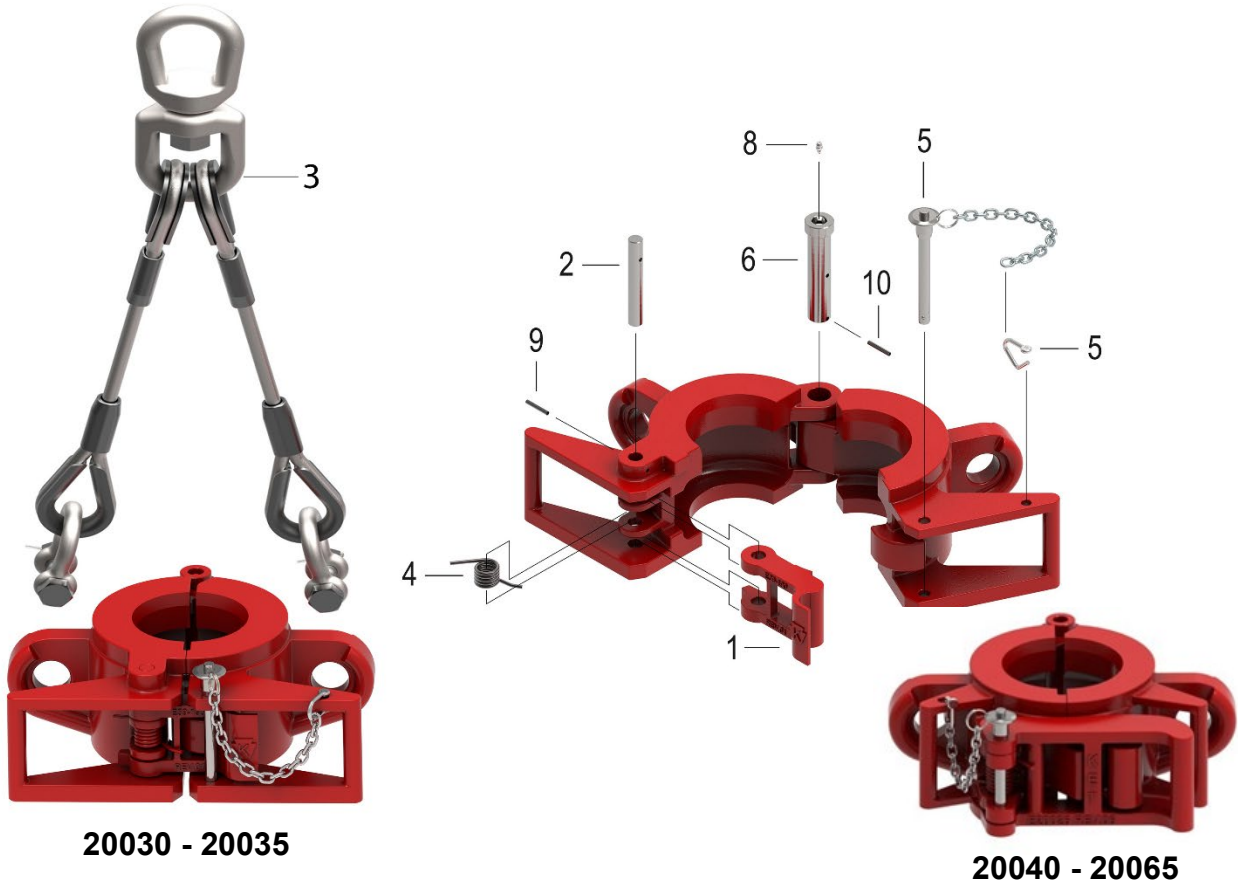
A/R=AS REQUIRED

RECOMMENDED SPARE PARTS FOR 1 YEAR FOR MP TYPE CLAMPS

RMET#	DESCRIPTION	MP -S	MP -R	MP -M	MP -L	MP -XL
31-333	DIE W/ COTTER	4				
31-310	DIE W/ COTTER		6	8	10	13
31-311	SPRING	9	12	17	20	26
31-528	COTTER PIN (F/ CARRIER)	4	6	8	10	13
31-418	ROLL PIN	9	12	17	20	26

SINGLE JOINT ELEVATORS

RMET#	RANGE	RATING(TONS)	WT. (LBS)
20035	2 3/8" - 4"	7.5	45
20030	4" - 5 7/8"	7.5	67
20040	5 1/2" - 8 5/8"	7.5	78
20050	9 5/8" - 10 3/4"	7.5	93
20060	11 3/4" - 14"	7.5	114
20065	18" - 22 5/8"	10	290



20030 - 20035

20040 - 20065

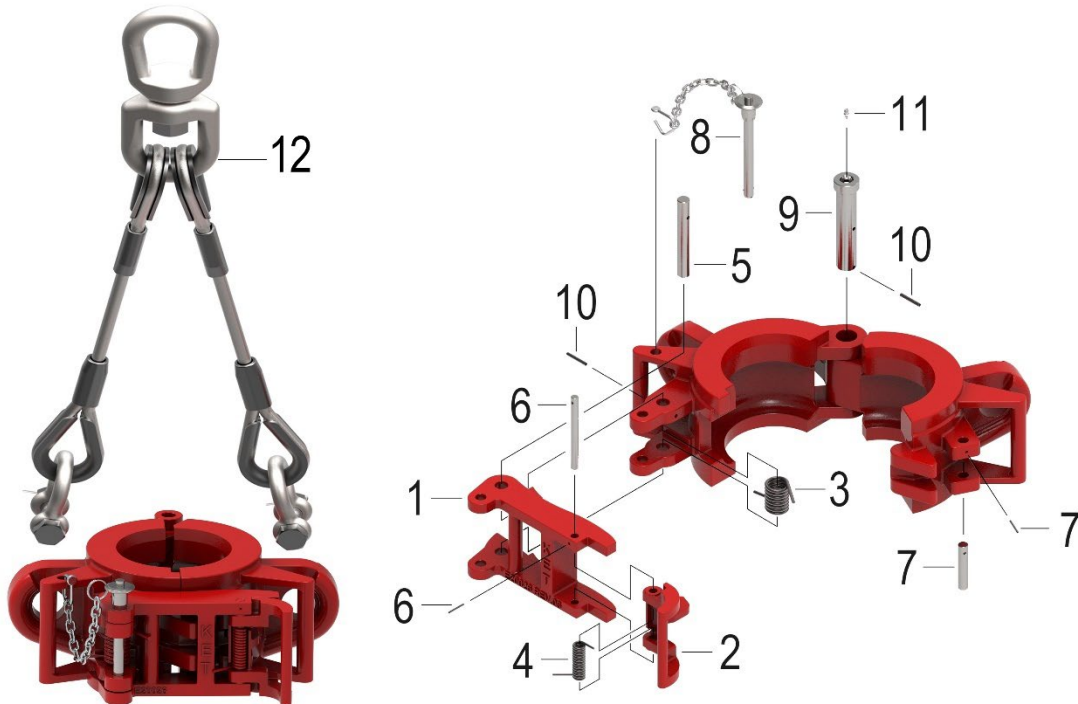
REPLACEMENT PARTS FOR SINGLE JOINT ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ	WT. (LBS)
39-190	1	LATCH - 20030, 20035		1	3.00
20026	1	LATCH - 20040, 20050, 20060, 20065		1	6.00
39-050	2	LATCH PIN - 20040, 20050, 20060, 20065	1	1	.37
39-050-1	2	LATCH PIN - 20030, 20035	1	1	.37
34568	3	2 LEG SLING FOR SINGLE JOINT ELEVATOR	1	1	29.00
39-034	4	LATCH SPRING - 20040, 20050, 20060, 20065	2	1	.20
7829-1	4	LATCH SPRING - 20030 & 20035	2	1	.20
39-051-8-Q	5	LATCH LOCK RET. PIN ASSY SS W/ CHAIN 1/2"	1	1	.35
39-052	6	HINGE PIN - ALL	1	1	1.00
ZF-GZN-02-1	8	GREASE FITTING		1	.01
39-055	9	LATCH PIN RETAINER		1	.01
39-055	10	HINGE PIN RETAINER		1	.01

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

SINGLE JOINT DOUBLE LATCH ELEVATORS

RMET#	RANGE	RATING(TONS)	WT. (LBS)
20030-DL	4" – 5 7/8"	7.5	67
20040-DL	5 1/2" – 8 5/8"	7.5	78
20050-DL	9 5/8" – 10 3/4"	7.5	93
20060-DL	11 3/4" – 14"	7.5	114
20065-DL	18" – 22 5/8"	10	290



REPLACEMENT PARTS FOR SINGLE JOINT DOUBLE LATCH ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ	WT. (LBS)
20026	1	LATCH – 20030, 20040, 20050, 20060, 20065		1	6.00
20026-LL	2	LATCH LOCK – 20030, 20040, 20050, 20060, 20065		1	3.00
39-034	3	LATCH SPRING – 20030, 20040, 20050, 20060, 20065	2	1	.20
39-034-LL	4	LATCH LOCK SPRING - 20030, 20040, 20050, 20060, 20065	2	1	.20
39-050	5	LATCH PIN	1	1	.37
39-050-2	6	LATCH LOCK PIN	1	1	.37
39-050-3	7	DOOR LUG PIN		1	.20
39-051-8-Q	8	LATCH LOCK RET. PIN ASSY SS W/ CHAIN 1/2"	1	1	.37
39-052	9	HINGE PIN – ALL	1	1	1.00
39-055	10	HINGE PIN RETAINER		1	.01
ZF-GZN-02-1	11	GREASE FITTING		1	.01
34568	12	2 LEG SLING FOR SINGLE JOINT ELEVATOR			

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

SINGLE JOINT INSERT BUSHING ELEVATORS

RMET#	TYPE	RANGE	RATING(TONS)*	WT. (LBS)
20030-IB	SINGLE LATCH	4" – 5 7/8"	7.5	67
20030-DL-IB	DOUBLE LATCH	4" – 5 7/8"	7.5	67
20040-IB	SINGLE LATCH	5 1/2" – 8 5/8"	7.5	78
20040-DL-IB	DOUBLE LATCH	5 1/2" – 8 5/8"	7.5	78
20050-IB	SINGLE LATCH	9 5/8" – 10 3/4"	7.5	93
20050-DL-IB	DOUBLE LATCH	9 5/8" – 10 3/4"	7.5	93
20060-IB	SINGLE LATCH	11 3/4" – 14"	7.5	114
20060-DL-IB	DOUBLE LATCH	11 3/4" – 14"	7.5	114
20065-IB	SINGLE LATCH	18" – 22 5/8"	10	290
20065-DL-IB	DOUBLE LATCH	18" – 22 5/8"	10	290



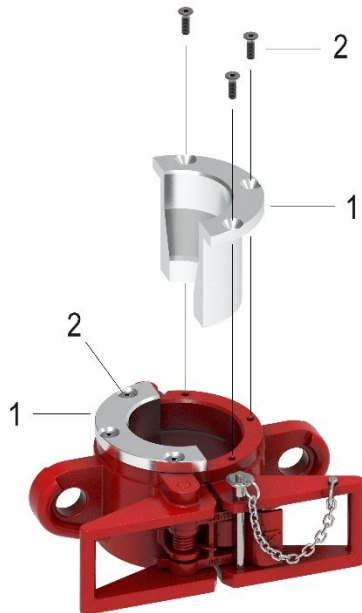
20030-IB



20040-65-IB



20030-65-SJDL-IB

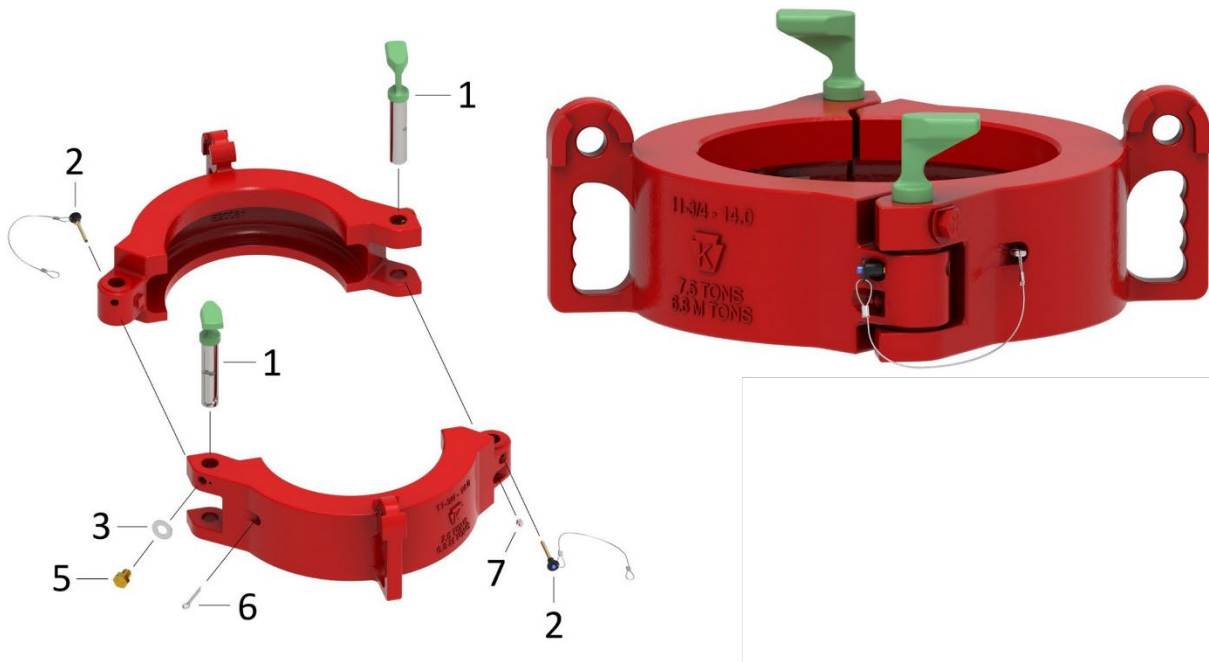


RMET#	ITEM#	DESCRIPTION	#REQ
20029*	1	SINGLE JOINT ALUMINUM BUSHING	1
20029-S	2	BUSHING RETAINER SCREW	6

* SPECIFY BORE SIZE WHEN ORDERING

DOUBLE PIN SINGLE JOINT ELEVATORS

RMET#	RANGE	RATING(TONS)	WT. (LBS)
20073	4" – 6"	7.5	63
20075	6 5/8" – 8 5/8"	7.5	83
20077	9" – 10 3/4"	7.5	96
20079	11 3/4" – 14"	7.5	135
20081	16" – 20"	10	230
20085	21 1/2" – 26"	15	350
20087	28" - 32"	15	402

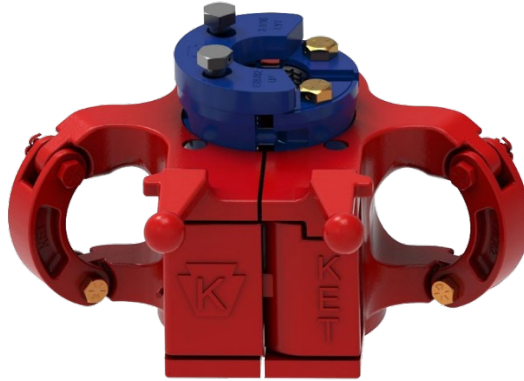


REPLACEMENT PARTS FOR DOUBLE PIN SINGLE JOINT ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ	WT. (LBS)
20072	1	HINGE PIN		2	2.00
20101	2	HINGE PIN SAFETY LATCH PIN	2	2	.20
20102	3	11/16" LOCK-TAB WASHER	2	2	.10
20103	5	HINGE PIN RET. BOLT 3/4" LONG (FRAMES – 20073 – 20077)		1	.25
20103-1	5	HINGE PIN RET. BOLT 7/8" LONG (FRAMES – 20079 – 20081)		1	.25
20104	6	2" COTTER PIN	2	2	.10
ZF-GZN-02-3	7	GREASE FITTING		2	.10

LYT SLIP TYPE ELEVATORS

RMET#	DESCRIPTION	RANGE	SIZE OF LINKS	WT. (LBS)
28750	LYT 20 TON ELEVATOR COMPLETE LESS SLIP ASSEMBLY	3/4" – 2 1/16"	1 1/4" – 2 3/4"	58



LYT SLIP ASSEMBLIES

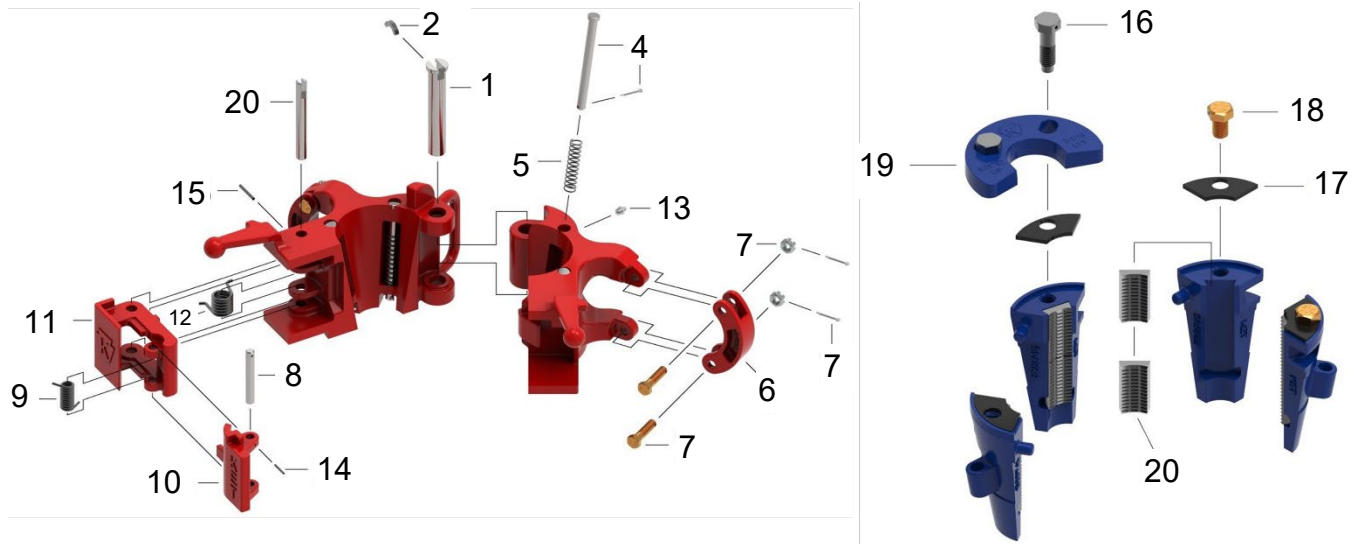
RMET#	DESCRIPTION	WT. (LBS)
28745-6	2 1/16" X 2 1/16" LYT SLIP ASSEMBLY	17
28745-5	2 1/16" X 2" LYT SLIP ASSEMBLY	17
28745-4	2 1/16" X 1 1/2" (1.900") LYT SLIP ASSEMBLY	17
28745-3	2 7/8" X 1 1/4" (1.660") LYT SLIP ASSEMBLY	18
28745-2	2 7/8" X 1" (1.315") LYT SLIP ASSEMBLY	20
28745-7	2 7/8" X 3/4" (1.050") LYT SLIP ASSEMBLY	20

LYT SETTING PLATES

REMT#	ITEM#	DESCRIPTION	WT. (LBS)
28782	19	2 1/16" LYT SETTING PLATE	2.25
28737	19	2" LYT SETTING PLATE	2.35
28783	19	1 1/2" (1.900") LYT SETTING PLATE	3.00
28784	19	1 1/4" (1.660") LYT SETTING PLATE	3.10
28736	19	1" (1.315") LYT SETTING PLATE	3.15
28735	19	3/4" (1.050") LYT SETTING PLATE	3.20

RECOMMENDED SPARES INCLUDE 2 SETS OF INSERTS AND 2 SETTING PLATES FOR EACH PIPE SIZE TO BE RUN

REPLACEMENT PARTS FOR LYT SLIP TYPE ELEVATORS



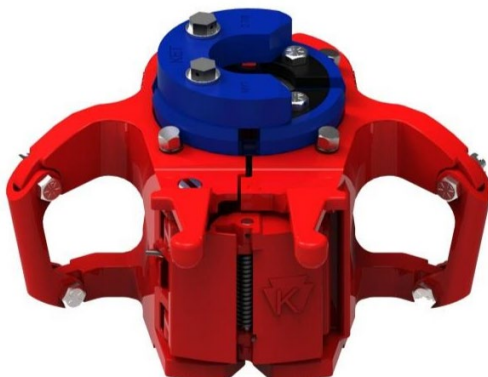
RMET#	ITEM#	DESCRIPTION	SPARES	#REQ.	WT. (LBS)
28753	1	HINGE PIN		1	.60
28753-R	2	HINGE PIN RETAINER	2	1	.05
28757	3	LATCH PIN		1	.45
28760	4	SLIP PIN & COTTER		4	.25
28761	5	SLIP SPRING	4	4	.04
28762	6	LINK BLOCK	2	2	1.00
28764-1	7	LINK BLOCK BOLT, NUT, & COTTER	2	4	1.20
28767	8	LATCH LOCK PIN	2	1	.25
28769	9	LATCH LOCK SPRING	1	1	.12
30645	10	LATCH LOCK		1	2.00
30648	11	LATCH		1	4.00
32760	12	LATCH SPRING	1	1	.08
ZF-GZN-02-3	13	GREASE FITTING F/ DOOR	4	1	.03
947128-172	14	LATCH LOCK PIN RETAINER	1	1	.02
947128-222	15	LATCH PIN RETAINER	2	1	.02
28785	16	SETTING PLATE BOLT	2	2	.25
28786	17	INSERT RETAINER PLATE	4	4	.13
28787	18	INSERT RETAINER SCREW	2	2	.13
	19	SETTING PLATE (SEE TABLE ON PREVIOUS PAGE)	-	1	-

INSERTS

RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
28772	20	2 1/16" & 2" LYT INSERT	8	.28
28775	20	1 1/2" (1.900") LYT INSERT	8	.31
28778	20	1 1/4" (1.660") LYT INSERT	8	.40
28749	20	1" (1.315") LYT INSERT	8	.50
29370	20	3/4" (1.050") LYT INSERT	8	.59

40 TON MYT SLIP TYPE ELEVATORS

RMET#	DESCRIPTION	RANGE	SIZE OF LINKS	WT. (LBS)
29328	MYT ELEVATOR COMPLETE LESS SLIP ASSEMBLY	3/4" – 2 7/8"	1 1/4" – 2 3/4"	148



MYT SLIP ASSEMBLIES

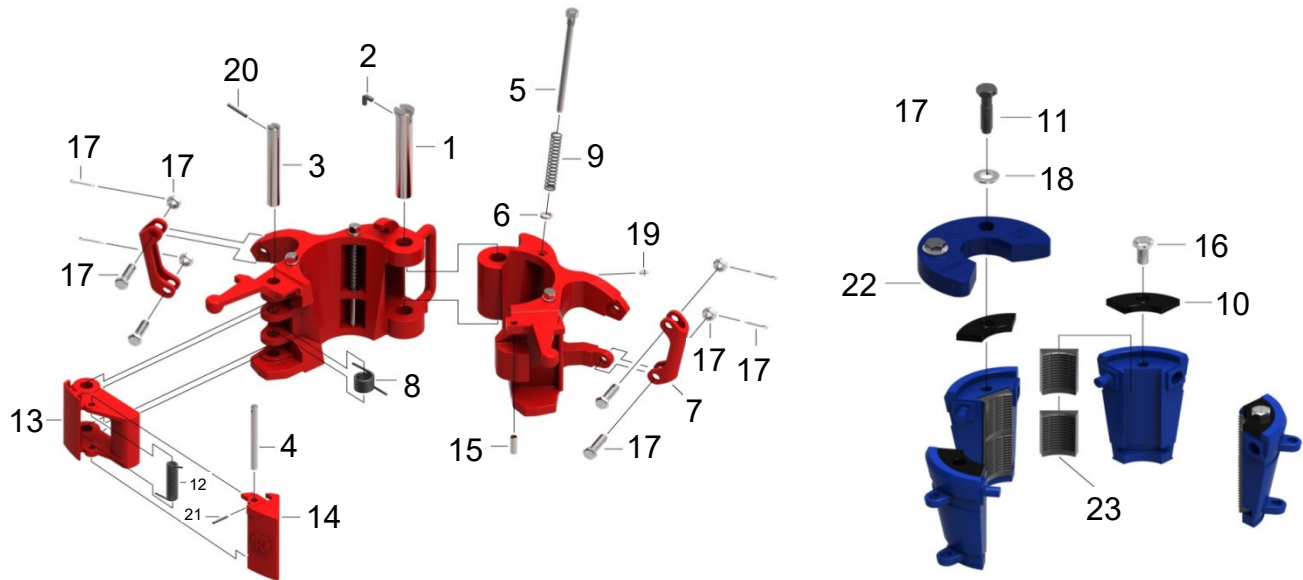
RMET#	DESCRIPTION	WT. (LBS)
29343-1	2 7/8" X 2 7/8" MYT SLIP ASSEMBLY	44
29343-2	2 7/8" X 2 3/8" MYT SLIP ASSEMBLY	46
29343-3	2 7/8" X 2 1/16" MYT SLIP ASSEMBLY	47
29343-4	2 7/8" X 2" MYT SLIP ASSEMBLY	47
29343-5	2 7/8" X 1 1/2" (1.900") MYT SLIP ASSEMBLY	48
29343-6	2 7/8" X 1 1/4" (1.660") MYT SLIP ASSEMBLY	49
29343-7	2 7/8" X 1" (1.315") MYT SLIP ASSEMBLY	49
29343-8	2 7/8" X 3/4" (1.050") MYT SLIP ASSEMBLY	51
29343-10-S	2 7/8" MYT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	31

MYT SETTING PLATES

REMT#	ITEM#	DESCRIPTION	WT. (LBS)
29348	22	2 7/8" MYT SETTING PLATE	6.50
29345	22	2 3/8" MYT SETTING PLATE	6.63
29350	22	2 1/16" MYT SETTING PLATE	7.00
29351	22	2" MYT SETTING PLATE	7.10
29352	22	1 1/2" (1.900") SETTING PLATE	7.35
29353	22	1 1/4" (1.660") MYT SETTING PLATE	7.50
29354	22	1" (1.315") MYT SETTING PLATE	7.90
29354-1	22	3/4" (1.050") MYT SETTING PLATE	8.05

RECOMMENED SPARES INCLUDE 2 SETS OF INSERTS AND 2 SETTING PLATES FOR EACH PIPE SIZE TO BE RUN

MYT REPLACEMENT PARTS



RMET#	ITEM#	DESCRIPTION	*SPARES	# REQ.	WT. (LBS)
29333	1	HINGE PIN		1	4.00
29333-R	2	HINGE PIN RETAINER		1	.10
29334	3	LATCH PIN		1	4.00
29335	4	LATCH LOCK PIN	2	1	.30
29336	5	SLIP BOLT	4	4	.55
29336-LW	6	SLIP BOLT LOCK WASHER		4	.02
29337	7	LINK BLOCK		2	1.00
29338	8	LATCH SPRING	2	1	.20
29340	9	SLIP SPRING	8	1	.10
29344	10	INSERT RETAINER PLATE	4	4	.55
29347	11	SETTING PLATE BOLT	4	2	.30
29349	12	LATCH LOCK SPRING	2	1	.20
30652	13	LATCH		1	10.00
30653	14	LATCH LOCK		1	2.00
30841	15	DOOR LUG PIN		1	.08
939098-15	16	INSERT RETAINER SCREW	4	2	.13
939009-65	17	LINK BLOCK BOLT, NUT, & COTTER	2	4	.40
939370-13	18	SETTING PLATE WASHER	4	4	.05
ZF-GZN-02-3	19	GREASE FITTING		1	.01
947128-120	20	LATCH PIN RETAINER	2	1	.02
947128-172	21	LATCH LOCK PIN RETAINER	2	1	.01

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

MYT INSERTS

RMET#	ITEM#	DESCRIPTION	#REQ	WT. (LBS)
24773	23	2 7/8" X 2 7/8" INSERT	8	.75
29255	23	2 7/8" X 2 3/8" INSERT	8	1.10
29256	23	2 7/8" X 2 1/16" & 2" INSERT	8	1.25
29257	23	2 7/8" X 1 1/2" (1.900") INSERT	8	1.33
29258	23	2 7/8" X 1 1/4" (1.660") INSERT	8	1.43
29259	23	2 7/8" X 1" (1.315") INSERT	8	1.69
29259-1	23	2 7/8" X 3/4" (1.050") INSERT	8	1.76

YT 75 TON SLIP TYPE ELEVATORS

RMET#	DESCRIPTION	RANGE	SIZE OF LINKS	WT. (LBS)
23105	YT ELEVATOR COMPLETE LESS SLIP ASSY.	1.315" – 3 1/2"	2 1/4" – 2 3/4"	355



YT SLIP ASSEMBLIES

RMET#	DESCRIPTION	WT. (LBS)
23108-5	3 1/2" X 3 1/2" YT SLIP ASSEMBLY	64
23108-3	3 1/2" X 2 7/8" YT SLIP ASSEMBLY	76
23108-1	3 1/2" X 2 3/8" YT SLIP ASSEMBLY	76
23108-4	2 7/8" X 2 7/8" YT SLIP ASSEMBLY	76
23108-6	2 7/8" X 2 3/8" YT SLIP ASSEMBLY	79
23108-7	2 7/8" X 2 1/16" YT SLIP ASSEMBLY	81
23108-8	2 7/8" X 2" (2.000") YT SLIP ASSEMBLY	82
23108-9	2 7/8" X 1 1/2" (1.900") YT SLIP ASSEMBLY	83
23108-10	2 7/8" X 1 1/4" (1.660") YT SLIP ASSEMBLY	85
23108-11	2 7/8" X 1" (1.315") YT SLIP ASSEMBLY	86
23108	3 1/2" YT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	51
23108-2	2 7/8" YT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	51

YT SETTING PLATES

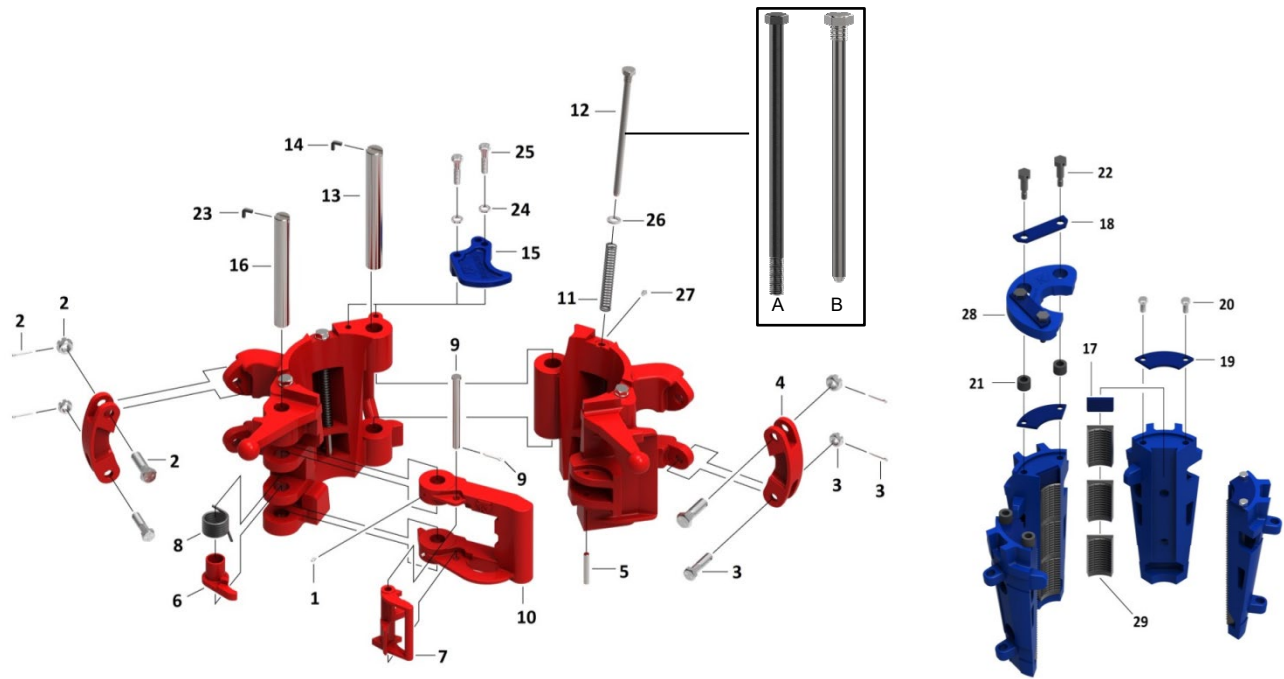
RMET#	ITEM#	DESCRIPTION	WT. (LBS)
27813	28	3 1/2" YT SETTING PLATE	3.13
27695	28	2 7/8" YT SETTING PLATE	3.56
27694	28	2 3/8" YT SETTING PLATE	4.00
27812	28	2 1/16" YT SETTING PLATE	4.25
27812	28	2" YT SETTING PLATE	4.25
27811	28	1 1/2" (1.900") YT SETTING PLATE	4.31
27810	28	1 1/4" (1.660") YT SETTING PLATE	4.38
29001	28	1" (1.315") YT SETTING PLATE	4.75

YT INSERTS

RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
24774	29	3 1/2" X 3 1/2" INSERT	24	.40
30358	29	3 1/2" X 2 7/8" INSERT	24	.65
78-06	29	3 1/2" X 2 3/8" INSERT	24	.81
24773	29	2 7/8" X 2 7/8" INSERT	12	.78
29255	29	2 7/8" X 2 3/8" INSERT	12	1.10
29256	29	2 7/8" X 2 1/16" & 2" INSERT	12	1.25
29257	29	2 7/8" X 1 1/2" (1.900") INSERT	12	1.33
29258	29	2 7/8" X 1 1/2" (1.660") INSERT	12	1.43
29259	29	2 7/8" X 1" (1.315") INSERT	12	1.70

RECOMMENDED SPARES INCLUDE 2 SET OF INSERTS AND 2 SETTING PLATES FOR EACH SIZE OF PIPE TO BE RUN

YT REPLACEMENT PARTS

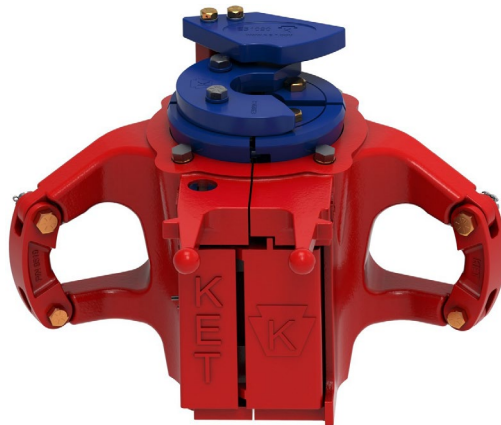


RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
ZF-GZN-04-1	1	GREASE FITTING, TAP IN		1	.01
8145-1	2	UPPER LINK BLOCK BOLT, NUT, & COTTER	1	2	1.00
8145-2	3	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	1.00
9519	4	LINK BLOCK		2	5.50
12529	5	DOOR LUG PIN		1	.65
12946	6	LATCH CAM		1	1.50
12972	7	LATCH LOCK		1	3.50
12978	8	LATCH SPRING	2	1	.65
13530	9	LATCH LOCK PIN W/ COTTER	2	1	.65
15348	10	LATCH		1	27.00
23113	11	SLIP SPRING	8	4	.25
23115	12A	SLIP BOLT (THREADS ON END OF THE BOLT)	4	4	1.25
23115-S	12B	SLIP BOLT (THREADS UNDER HEAD)	4	4	1.25
23116-2	13	SLOTTED HINGE PIN		1	4.13
23117	14	HINGE PIN RETAINER	2	1	.20
23630	15	GUIDE PLATE		1	4.00
24182	16	LATCH PIN		1	4.50
24507	17	INSERT SPACER (3 1/2")	8	8	.12
24508	17	INSERT SPACER (2 7/8")	4	4	.14
27546	18	SETTING PLATE RETAINER (3 1/2")		2	.17
27507	18	SETTING PLATE RETAINER (2 7/8")		2	.20
27530	19	INSERT RETAINER PLATE (3 1/2")	4	4	.23
27451	19	INSERT RETAINER PLATE (2 7/8")	4	2	.27
27532	20	INSERT RETAINER SCREW	8	4	.05
27696	21	YT SETTING RING BUSHING	8	4	.06
27697	22	SETTING PLATE BOLT	4	4	.16
29464	23	LATCH PIN RETAINER	2	1	.04
939352-64	24	GUIDE PLATE LOCK WASHER	2	2	.06
939098-75	25	GUIDE PLATE SCREW	2	2	.27
939352-6	26	SLIP BOLT LOCK WASHER	4	4	.03
ZF-GZN-02-3	27	GREASE FITTING	2	1	.01

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

HYT 150 TON SLIP TYPE ELEVATORS

RMET#	DESCRIPTION	RANGE	SIZE OF LINKS	WT. (LBS)
39284	HYT ELEVATOR COMPLETE L/SLIPS	2 3/8" - 3 1/2"	2 1/4" - 3 1/2"	740



HYT SLIP ASSEMBLIES

RMET#	DESCRIPTION	WT. (LBS)
39258-2	3 1/2" X 3 1/2" HYT SLIP ASSY.	170
39258-4	3 1/2" X 2 7/8" HYT SLIP ASSY.	170
39258-6	3 1/2" X 2 3/8" HYT SLIP ASSY.	170
39259-2	2 7/8" X 2 7/8" HYT SLIP ASSY.	170
39259-4	2 7/8" X 2 3/8" HYT SLIP ASSY.	170
39174	3 1/2" HYT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	150
39175	2 7/8" HYT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	150

HYT SETTING PLATES

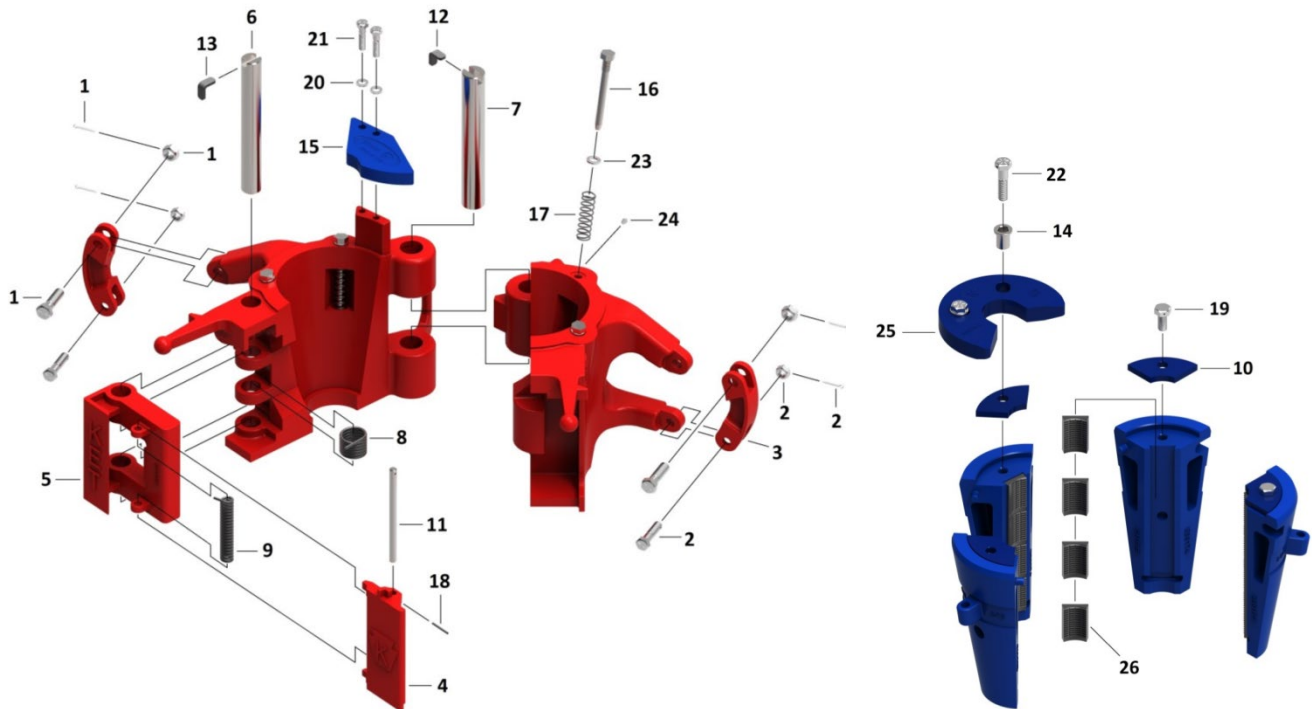
RMET#	ITEM	DESCRIPTION	#REQ.	WT. (LBS)
39214-3	25	3 1/2" HYT SETTING PLATE	1	11.00
39214-2	25	2 7/8" HYT SETTING PLATE	1	11.00
39214-1	25	2 3/8" HYT SETTING PLATE	1	13.00

HYT INSERTS

RMET#	ITEM	DESCRIPTION	#REQ.	WT. (LBS)
24774	26	3 1/2" X 3 1/2" INSERT	32	.50
30358	26	3 1/2" X 2 7/8" INSERT	32	.75
78-06	26	3 1/2" X 2 3/8" INSERT	32	.80
24773	26	2 7/8" X 2 7/8" INSERT	16	.75
29255	26	2 7/8" X 2 3/8" INSERT	16	1.00

RECOMMENDED SPARES INCLUDE 2 SET OF INSERTS AND 2 SETTING PLATES FOR EACH SIZE OF PIPE TO BE RUN

HYT REPLACEMENT PARTS



RMET#	ITEM	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
8145-1	1	UPPER LINK BLOCK BOLT, NUT, & COTTER	2	2	.87
8145-2	2	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	.57
9519	3	LINK BLOCK		2	5.20
39161	4	LATCH LOCK		1	7.82
39162	5	LATCH		1	36.03
39238	6	LATCH PIN		1	9.18
39239	7	HINGE PIN		1	12.05
39240	8	LATCH SPRING	2	1	.69
39241	9	LATCH LOCK SPRING	2	1	.69
39246	10	2 7/8" INSERT RETAINER PLATE		4	1.12
39247	10	3 1/2" INSERT RETAINER PLATE		4	1.03
39251	11	LATCH LOCK PIN		1	.84
39253	12	HINGE PIN RETAINER	2	1	.50
39254	13	LATCH PIN RETAINER	2	1	.05
51089	14	SETTING PLATE BUSHING	2	2	.18
51090	15	GUIDE PLATE	1	1	9.28
52321	16	SLIP BOLT	8	4	.76
52539-1	17	SLIP SPRING	8	4	.25
51603-10	18	LATCH LOCK PIN RETAINER (SPRING PIN)	2	1	.01
939098-36	19	INSERT RETAINER SCREW	4	2	.26
939352-64	20	GUIDE PLATE WASHER	2	2	.01
939098-65	21	GUIDE PLATE SCREW	2	2	.27
939098-96	22	SETTING PLATE BOLT	4	2	.46
939352-6	23	SLIP BOLT WASHER	4	4	.01
ZF-GZN-02-3	24	GREASE FITTING	2	1	.01

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

HYT-HSS 150 TON SLIP TYPE ELEVATORS

RMET#	DESCRIPTION	RANGE	SIZE OF LINKS	WT. (LBS)
39284	HYT ELEVATOR COMPLETE L/ SLIPS	2 3/8" – 3 1/2"	2 1/4" – 3 1/2"	593



HYT HYDRAULIC ASSEMBLIES

RMET#	DESCRIPTION	WT. (LBS)
51090-HYD-ASSY	HYT HYDRAULIC SLIMHOLE ASSEMBLY	121.00
31093-ASSY	HAND CONTROL VALVE ASSEMBLY	20.00
51096	130' HOSES FOR HYT HYDRAULIC (2 HOSES)	41.00

HYT SLIP ASSEMBLIES

RMET#	DESCRIPTION	WT. (LBS)
39258-2	3 1/2" X 3 1/2" HYT SLIP ASSY.	170
39258-4	3 1/2" X 2 7/8" HYT SLIP ASSY.	170
39258-6	3 1/2" X 2 3/8" HYT SLIP ASSY.	170
39259-2	2 7/8" X 2 7/8" HYT SLIP ASSY.	170
39259-4	2 7/8" X 2 3/8" HYT SLIP ASSY.	170
39174	3 1/2" HYT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	150
39175	2 7/8" HYT SLIP SEGMENTS ONLY (MATCHED SET OF 4)	150

HYT SETTING PLATES

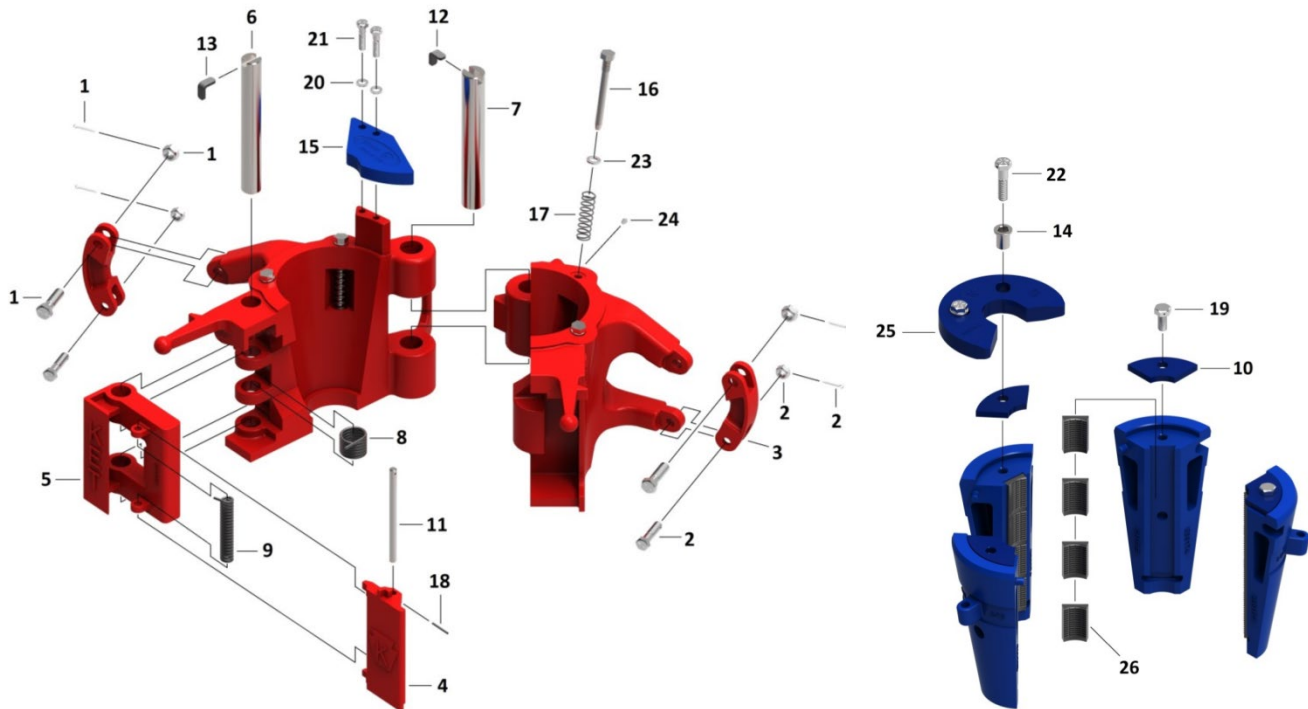
RMET#	ITEM	DESCRIPTION	#REQ.	WT. (LBS)
39214-3	25	3 1/2" HYT SETTING PLATE	1	11.00
39214-2	25	2 7/8" HYT SETTING PLATE	1	11.00
39214-1	25	2 3/8" HYT SETTING PLATE	1	13.00

HYT INSERTS

RMET#	ITEM	DESCRIPTION	#REQ.	WT. (LBS)
24774	26	3 1/2" X 3 1/2" INSERT	32	.50
30358	26	3 1/2" X 2 7/8" INSERT	32	.75
78-06	26	3 1/2" X 2 3/8" INSERT	32	.80
24773	26	2 7/8" X 2 7/8" INSERT	16	.75
29255	26	2 7/8" X 2 3/8" INSERT	16	1.00

RECOMMENDED SPARES INCLUDE 2 SET OF INSERTS AND 2 SETTING PLATES FOR EACH SIZE OF PIPE TO BE RUN

HYT REPLACEMENT PARTS

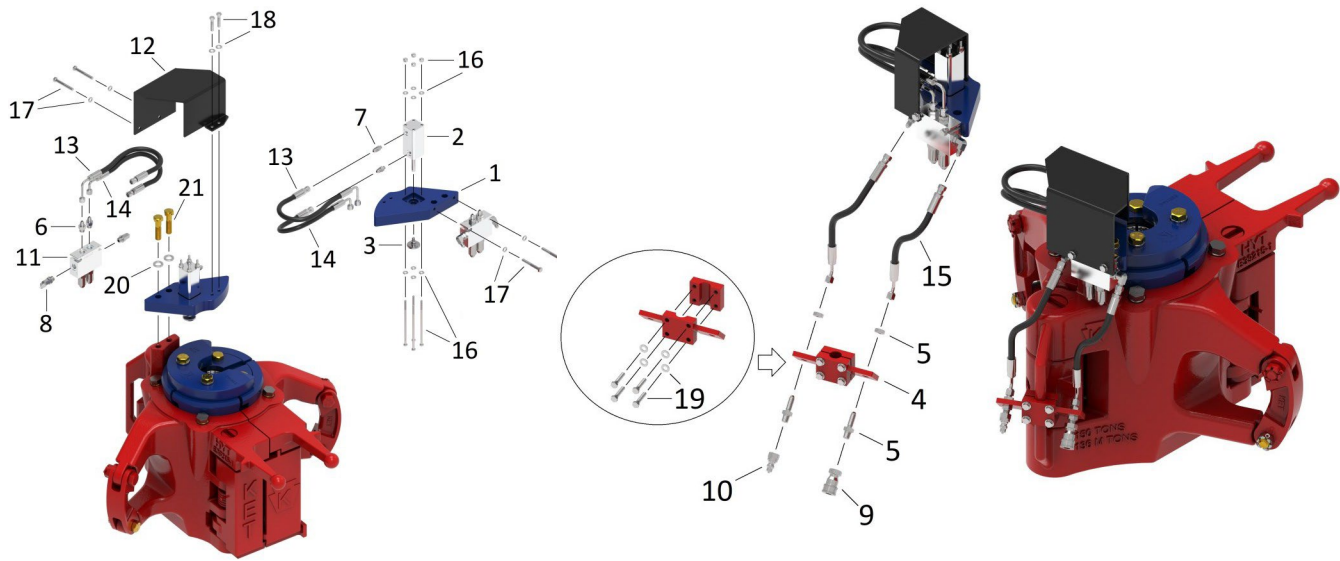


RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
8145-1	1	UPPER LINK BLOCK BOLT, NUT, & COTTER	2	2	.87
8145-2	2	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	.57
9519	3	LINK BLOCK		2	5.20
39161	4	LATCH LOCK		1	7.82
39162	5	LATCH		1	36.03
39238	6	LATCH PIN		1	9.18
39239	7	HINGE PIN		1	12.05
39240	8	LATCH SPRING	2	1	.69
39241	9	LATCH LOCK SPRING	2	1	.69
39246	10	2 7/8" INSERT RETAINER PLATE		4	1.12
39247	10	3 1/2" INSERT RETAINER PLATE		4	1.03
39251	11	LATCH LOCK PIN		1	.84
39253	12	HINGE PIN RETAINER	2	1	.50
39254	13	LATCH PIN RETAINER	2	1	.05
51089	14	SETTING PLATE BUSHING	2	2	.18
51090-HYD	15	GUIDE PLATE	1	1	9.28
52321	16	SLIP BOLT	8	4	.76
52539-1	17	SLIP SPRING	8	4	.25
51603-10	18	LATCH LOCK PIN RETAINER (SPRING PIN)	2	1	.01
939098-36	19	INSERT RETAINER PIN	4	2	.26
939352-64	20	GUIDE PLATE WASHER	2	2	.01
939098-65	21	GUIDE PLATE SCREW	2	2	.27
939098-96	22	SETTING PLATE BOLT	4	2	.46
939352-6	23	SLIP BOLT WASHER	4	4	.01
ZF-GZN-02-3	24	GREASE FITTING	2	1	.01
N/A	25	SETTING PLATES (SEE PREVIOUS PAGE)	2	1	
N/A	26	INSERTS (SEE PREVIOUS PAGE)	2 SETS	A/R	

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

A/R = AS REQUIRED

HYT-HSS HYDRAULIC SLIP REPLACEMENT PARTS



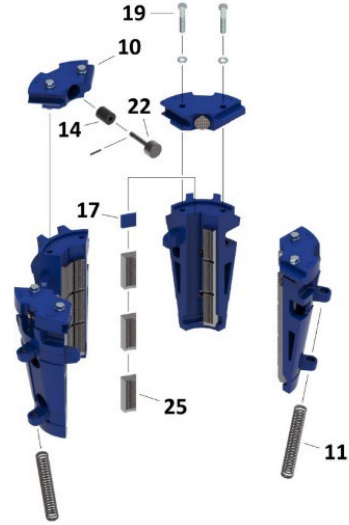
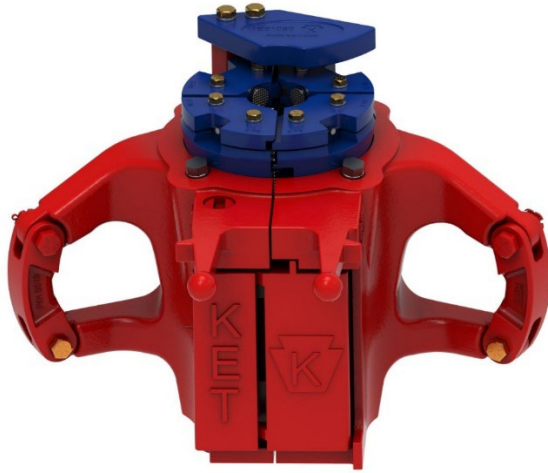
RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
51090-HYD	1	GUIDE PLATE	1	1	9.50
51091	2	CYLINDER		1	2.620
51091-1	3	CYLINDER ROD FOOT		1	0.125
51092	4	HOSE MOUNTING CLAMP		1	2.10
51092-1	5	1/4-18 NPT X 7/16-20 BULKHEAD STR. FTG & 7/16-20 HEX NUT	1	1	0.10
51092-2	6	SAE 37 7/16-20 x SAE O-RING 9/16-18 STRAIGHT FITTING	2	2	0.14
51092-3	7	SAE 37 7/16-20 x SAE O-RING 5/16-24 STRAIGHT FITTING	2	2	0.12
51092-4	8	SAE 37 7/16-20 x SAE O-RING 9/16-18 ELBOW FITTING	2	2	0.12
51092-F	9	1/4 NPT FEMALE QUICK-DISCONNECT HOSE COUPLING	1	1	0.30
51092-M	10	1/4 NPT MALE QUICK-DISCONNECT HOSE COUPLING	1	1	0.10
51094	11	COUNTER-BALANCE VALVE		1	1.60
51095	12	GUARD		1	4.90
51096-1	13	90 LONG x STRAIGHT 12" HOSE ASSEMBLY	1	1	0.40
51096-2	14	90 SHORT x STRAIGHT 12" HOSE ASSEMBLY	1	1	0.40
51096-3	15	45 SHORT x STRAIGHT 12" HOSE ASSEMBLY	1	2	0.33
51097-1	16	#12-24 x 5.5 HHCS, WASHERS, & NYLON HEX LOCKNUT	4	4	0.10
51097-2	17	5/16-18 x 2.5 HEXHEAD BOLT AND LOCK WASHER	2	2	0.10
51097-3	18	5/16-18 x 1.5 HEXHEAD CAP SCREW AND WASHER	2	2	0.10
51097-4	19	5/16-18 X 1.5 HEXHEAD CAP SCREW AND WASHER	4	4	0.10
939098-65	20	GUIDE PLATE LOCK WASHER	2	2	0.01
939098-75	21	GUIDE PLATE SCREW	2	2	0.26

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

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SLIM HOLE SLIP F/ HYT SLIP TYPE ELEVATORS

The Slim Hole Slip Segments fit 2 3/8" – 3 1/2" HYT Elevators.



SLIM HOLE SLIPS

RMET#	DESCRIPTION	WT. (LBS)
39174-SH	SLIM HOLE SLIP SEGMENTS F/ HYT ELEVATORS (MATCHED SET OF 4)	51

RECOMMENDED SPARES INCLUDE 2 SETS OF INSERTS AND 1 SETTING PLATE FOR EACH PIPE SIZE TO BE RUN.

SLIM HOLE SETTING PLATE ASSEMBLIES

INCLUDES SETTING PLATE, SETTING PLATE BOLTS, RETRACTABLE INSERTS AND RUBBER BUSHING.

RMET#	DESCRIPTION	WT. (LBS)
39214-1-SH	2 3/8" SH SETTING PLATE ASSEMBLY	-
39214-2-SH	2 7/8" SH SETTING PLATE ASSEMBLY	-
39214-3-SH	3 1/2" SH SETTING PLATE ASSEMBLY	-

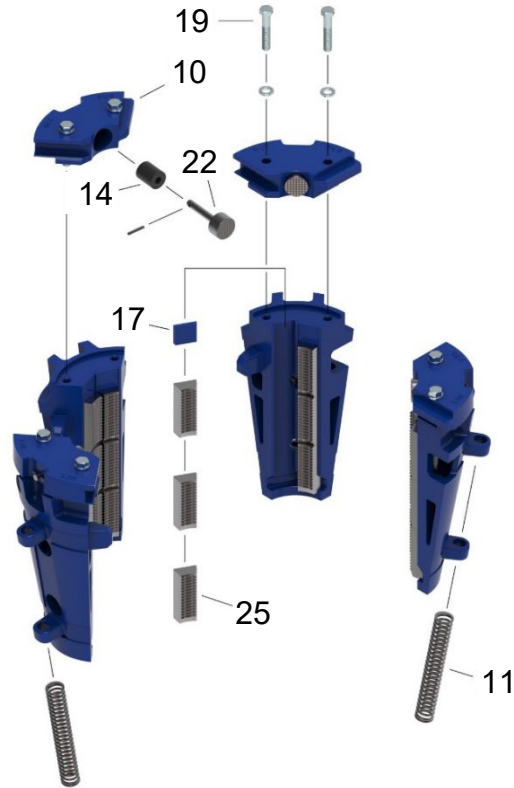
RECOMMENDED SPARES INCLUDE 2 SETS OF INSERTS AND 1 SETTING PLATE FOR EACH PIPE SIZE TO BE RUN.

SLIM HOLE SETTING PLATES

RMET#	DESCRIPTION	#REQ	WT. (LBS)
39214-1-SH-1	2 3/8" SH SETTING PLATE ONLY – 4 NEEDED PER SET	4	-
39214-2-SH-1	2 7/8" SH SETTING PLATE ONLY – 4 NEEDED PER SET	4	-
39214-3-SH-1	3 1/2" SH SETTING PLATE ONLY – 4 NEEDED PER SET	4	-

RECOMMENDED SPARES INCLUDE 2 SETS OF INSERTS AND 2 SETTING PLATES FOR EACH PIPE SIZE TO BE RUN.

SLIM HOLE SLIP REPLACEMENT PARTS

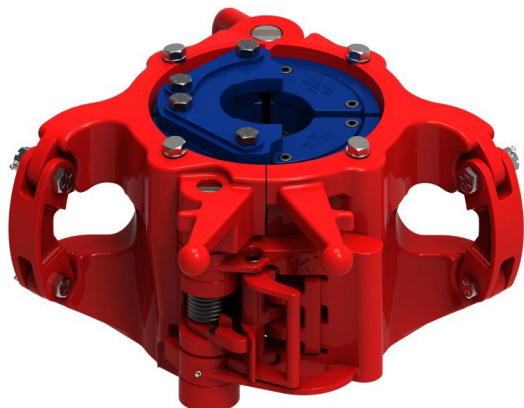


RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
27530	10	INSERT RETAINER PLATE	4	4	.23
23113	11	SLIP SPRING	4	4	.25
27696	14	RUBBER BUSHING	4	4	.06
24507	17	INSERT SPACER	8	8	.20
27697-SH	19	SETTING PLATE BOLT W/ WASHER	8	8	.16
27684	22	RETRACTABLE INSERT	4	4	-

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

YC 75 TON SLIP TYPE ELEVATORS

RMET#	DESCRIPTION	RANGE	SIZE OF LINKS	WT. (LBS)
24140	YC ELEVATOR COMPLETE L/ SLIPS & BOTTOM GUIDES	3 1/2" – 7"	2 1/4" – 2 3/4"	380



YC SLIP ASSEMBLIES

RMET#	DESCRIPTION	WT. (LBS)
34931	4 1/2" X 3 1/2" YC SLIP ASSY.	150
26830	4 1/2" X 4" YC SLIP ASSY.	150
24072-5	4 1/2" X 4 1/2" YC SLIP ASSY.	150
24072-7	5 1/2" X 5" YC SLIP ASSY.	150
24072-2	5 1/2" X 5 1/2" YC SLIP ASSY.	150
24077-1	7" X 7" YC SLIP ASSY.	150
24077-7	7" X 6 5/8" YC SLIP ASSY.	150
24072-4	4 1/2" YC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	130
24072	5 1/2" YC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	130
24077	7" YC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	130

YC SETTING PLATES

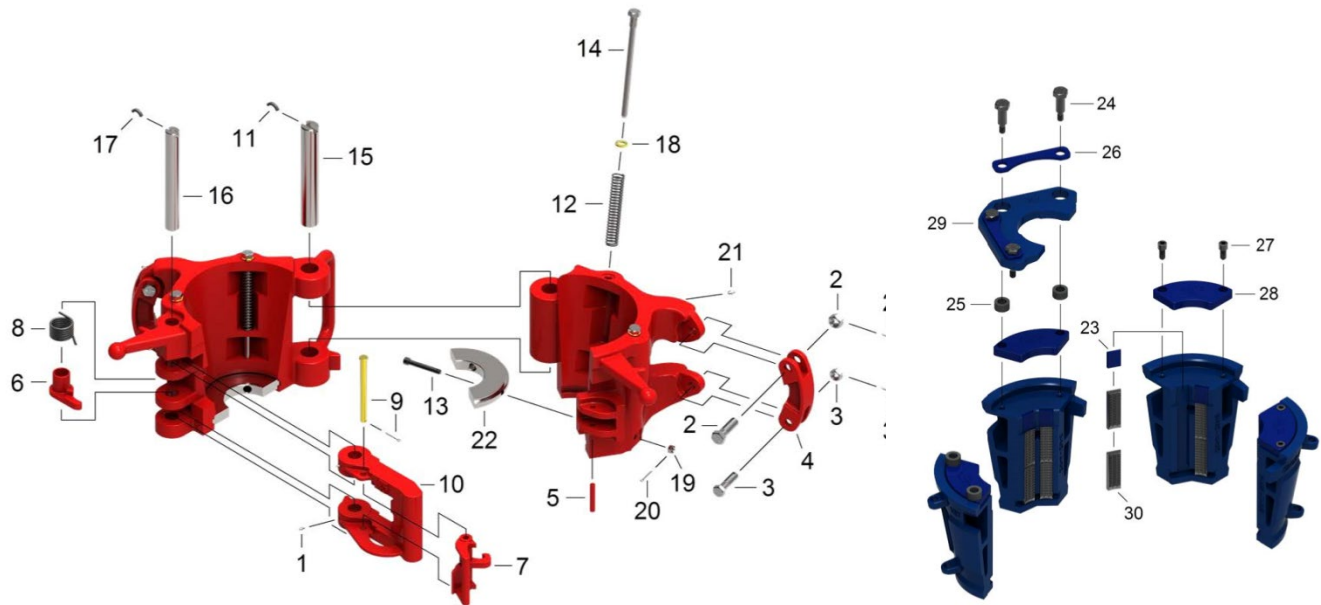
RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
34932	29	3 1/2" SETTING PLATE	1	8.00
30209	29	4" SETTING PLATE	1	8.00
30219	29	4 1/2" SETTING PLATE	1	7.00
30220	29	5" SETTING PLATE	1	6.25
30223	29	5 1/2" SETTING PLATE	1	6.13
30226	29	6 5/8" SETTING PLATE	1	6.00
30229	29	7" SETTING PLATE	1	5.50

YC BOTTOM GUIDE PLATES

RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
24071-2	22	7" BOTTOM GUIDE	1	3.75
24071-3	22	6 5/8" BOTTOM GUIDE	1	4.50
24071-1	22	5 1/2" BOTTOM GUIDE	1	5.50
24071	22	5" BOTTOM GUIDE	1	7.75
24071-4	22	4 1/2" BOTTOM GUIDE	1	8.50
26827	22	4" BOTTOM GUIDE	1	8.50
26827-1	22	3 1/2" BOTTOM GUIDE	1	8.00

RECOMMENDED SPARES INCLUDE 2 SET OF INSERTS AND 2 SETTING PLATES FOR EACH SIZE OF PIPE TO BE RUN

YC REPLACEMENT PARTS

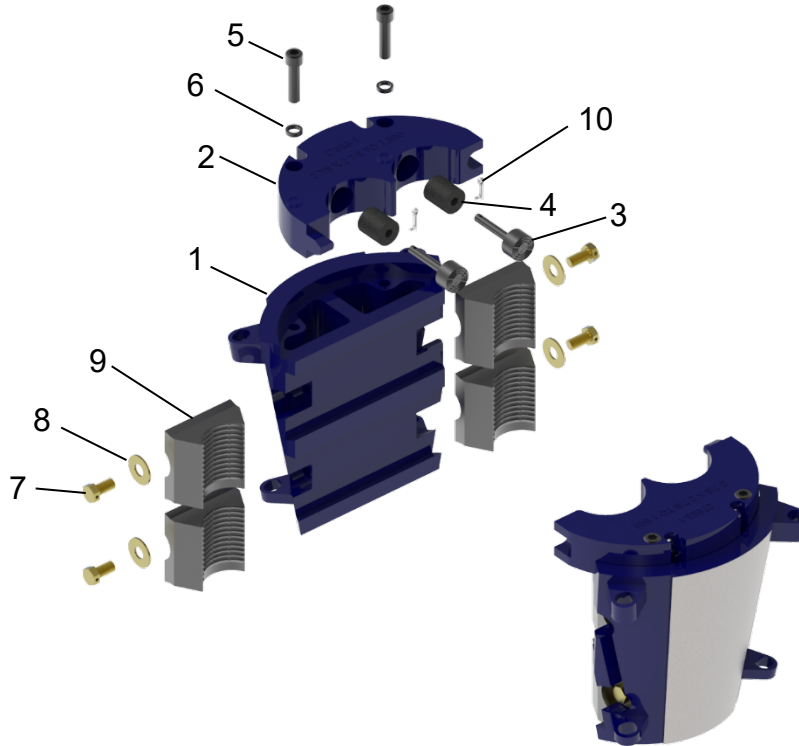


RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
ZF-GZN-04-4	1	GREASE FITTING		1	.01
8145-1	2	UPPER LINK BLOCK BOLT, NUT, & COTTER	2	2	1.00
8145-2	3	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	1.00
9519	4	LINK BLOCK		2	5.20
12529	5	DOOR LUG PIN		1	.65
12946	6	LATCH CAM		1	1.50
12972	7	LATCH LOCK		1	3.50
12978	8	LATCH SPRING	2	1	.63
13530	9	LATCH LOCK PIN W/ COTTER	2	1	.69
15348	10	LATCH		1	27.00
23116-1-R	11	HINGE PIN RETAINER	2	1	.20
24049	12	SLIP SPRING	8	4	.30
24075	13	BOTTOM GUIDE PLATE SCREW		4	.84
24076	14	SLIP BOLT	4	4	1.05
24181	15	HINGE PIN		1	12.05
24182	16	LATCH PIN		1	.18
24182-RT	17	LATCH PIN RETAINER	2	1	.20
939352-6	18	LOCK WASHER F/ SLIP BOLTS	2	4	.06
939484-5	19	BOTTOM GUIDE PLATE NUT		4	.15
939672-17	20	BOTTOM GUIDE PLATE COTTER		4	.02
ZF-GZN-02-3	21	GREASE FITTING		1	.01
N/A	22	BOTTOM GUIDE PLATE (SEE PREVIOUS PAGE)			
24506	23	INSERT SPACER	4	8	.13
30211	24	SETTING PLATE BOLT	4	4	.25
30213	25	RUBBER BUSHING	8	4	.05
30216	26	SETTING PLATE RETAINER		2	.25
941271-73	27	INSERT RETAINER SCREW	8	4	.13
30214	28	INSERT RETAINER PLATE (3 1/2" & 4 1/2")	4	4	2.75
30224	28	INSERT RETAINER PLATE (5" & 5 1/2")	4	4	2.13
30230	28	INSERT RETAINER PLATE (6 5/8" & 7")	4	4	2.75
SEE TABLE	29	SETTING PLATES (SEE PREVIOUS PAGE)			
SEE TABLE	30	INSERTS (SEE PAGE 79)	2 SETS		

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

DUAL YC SLIP ASSEMBLY

RMET#	DESCRIPTION	RANGE	WT. (LBS)
24995	YC DUAL SLIP BODY ONLY, SET OF 2 (#1) (SEE NOTE BELOW)	1.900" – 2 7/8"	90



DUAL YC SLIP ASSEMBLIES (SEE NOTE BELOW)

RMET#	SLIP ASSEMBLY		INSERTS (#9)			SETTING PLATE PLUNGER (#3)		
	A	X B	A	B	QTY REQ'D	A	B	QTY REQ'D
27680-1	2 7/8"	X 2 7/8"	27681-1	27681-1	8	27684	27684	4
27680-2	2 7/8"	X 2 3/8"	27681-1	24996	4 EA.	27684	25422	2 EA.
27680-3	2 7/8"	X 2 1/16"	27681-1	24996-1	4 EA.	27684	25422-1	2 EA.
27680-6	2 7/8"	X 2"	27681-1	24996-4	4 EA.	27684	25422-4	2 EA.
27680-4	2 7/8"	X 1.900"	27681-1	24996-2	4 EA.	27684	25422-2	2 EA.
24994	2 3/8"	X 2 3/8"	24996	24996	8	25422	25422	4
24994-1	2 3/8"	X 2 1/16"	24996	24996-1	4 EA.	25422	25422-1	2 EA.
24994-10	2 3/8"	X 2"	24996	24996-4	4 EA.	25422	25422-4	2 EA.
24994-2	2 3/8"	X 1.900"	24996	24996-2	4 EA.	25422	25422-2	2 EA.

REPLACEMENT PARTS DUAL YC SLIP

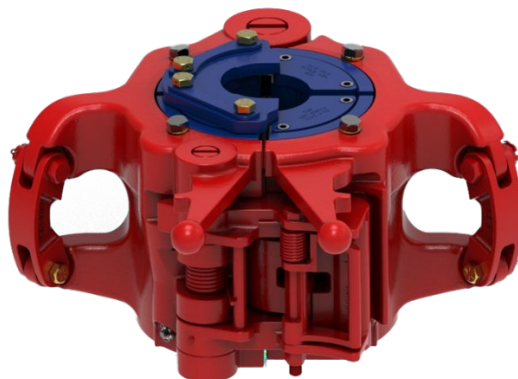
RMET#	ITEM#	DESCRIPTION	QTY REQUIRED	WT. (LBS)
27683-1	2	2 7/8" X 2 7/8" – 1.900" SETTING PLATE	2	13
30213-D	4	BUSHING F/ DUAL YC SLIP	4	.08
24995-2	5	SOCKET HEAD CAP SCREW F/ DUAL YC SLIP	4	.16
24995-L	6	HIGH COLLAR LOCKWASHER F/ DUAL YC SLIP	4	.01
35001-T	7	TIE WIRE BOLT F/ DUAL YC SLIP	8	.08
24995-F	8	FLAT WASHER F/ DUAL YC SLIP	8	.03
51404-08	10	COTTER PIN RETAINER F/ DUAL YC SLIP	8	-

NOTE: DUAL YC SLIP MUST BE SOLD WITH ELEVATOR OR CUSTOMED FITTED TO CUSTOMER ELEVATOR. IT IS NOT SOLD AS STAND-ALONE ITEM.

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MYC 125 TON SLIP TYPE ELEVATORS

RMET#	DESCRIPTION	RANGE	SIZE OF LINKS	WT. (LBS)
200360	MYC ELEVATOR COMPLETE L/ SLIPS	3 1/2" – 7"	2 1/4" – 2 3/4"	750



MYC SLIP ASSEMBLIES

RMET#	DESCRIPTION	WT. (LBS)
34931	4 1/2" X 3 1/2" YC/MYC SLIP ASSY.	150.00
26830	4 1/2" X 4" YC/MYC SLIP ASSY.	150.00
24072-5	4 1/2" X 4 1/2" YC/MYC SLIP ASSY.	150.00
24072-7	5 1/2" X 5" YC/MYC SLIP ASSY.	150.00
24072-2	5 1/2" X 5 1/2" YC/MYC SLIP ASSY.	150.00
24077-1	7" X 7" YC/MYC SLIP ASSY.	150.00
24077-7	7" X 6 5/8" YC/MYC SLIP ASSY	150.00
24072-4	4 1/2" YC/MYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	130.00
24072	5 1/2" YC/MYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	130.00
24077	7" YC/MYC SLIP SEGMENT ONLY (MATCHED SET OF 4)	130.00

MYC SETTING PLATES

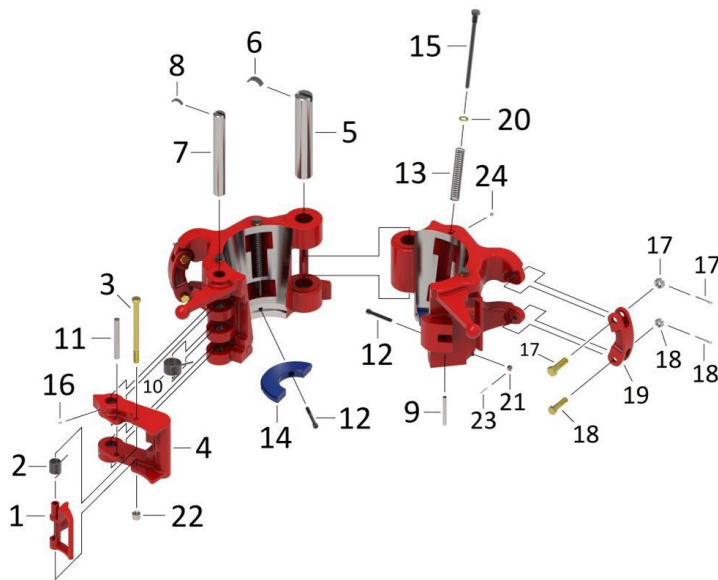
RMET#	ITEM#	DESCRIPTION	#REQ	WT. (LBS)
34932	31	3 1/2" SETTING PLATE	1	8.00
30209	31	4" SETTING PLATE	1	8.00
30219	31	4 1/2" SETTING PLATE	1	7.00
30220	31	5" SETTING PLATE	1	6.25
30223	31	5 1/2" SETTING PLATE	1	6.13
30226	31	6 5/8" SETTING PLATE	1	6.00
30229	31	7" SETTING PLATE	1	5.50

MYC BOTTOM GUIDE PLATES

RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
24071-2	14	7" BOTTOM GUIDE	1	3.75
24071-3	14	6 5/8" BOTTOM GUIDE	1	4.50
24071-1	14	5 1/2" BOTTOM GUIDE	1	5.50
24071	14	5" BOTTOM GUIDE	1	7.75
24071-4	14	4 1/2" BOTTOM GUIDE	1	8.50
26827	14	4" BOTTOM GUIDE	1	8.50
26827-1	14	3 1/2" BOTTOM GUIDE	1	8.00

RECOMMENDED SPARES INCLUDE 2 SET OF INSERTS AND 2 SETTING PLATES FOR EACH SIZE OF PIPE TO BE RUN

MYC REPLACEMENT PARTS



RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
13152	1	LATCH LOCK	1	1	4.00
13188	2	LATCH LOCK SPRING	2	1	0.38
15101	3	LATCH LOCK PIN	1	1	1.30
200363	4	LATCH		1	42.00
200364	5	HINGE PIN		1	16.00
200364-RT	6	HINGE PIN RETAINER		1	0.19
200365	7	LATCH PIN		1	7.50
200365-RT	8	LATCH PIN RETAINER		1	0.13
200366	9	DOOR LUG PIN		11	0.32
200367	10	LATCH SPRING	2	1	0.68
200368	11	SPRING STOP PIN		1	0.94
200369	12	GUIDE PLATE SCREW		4	0.84
24049	13	SLIP SPRING	8	4	0.35
SEE TABLE	14	BOTTOM GUIDE PLATE (SEE PREVIOUS PAGE)		2	-
24076	15	SLIP BOLT	4	4	1.00
ZF-GZN-04-1	16	GREASE FITTING, TAP IN		2	0.10
8145-1	17	UPPER LINK BLOCK BOLT, NUT, & COTTER	2	2	0.50
81452	18	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	0.50
9519	19	LINK BLOCK		2	5.50
939352-6	20	SLIP BOLT LOCK WASHER	2	4	0.25
939484-5	21	GUIDE PLATE NUT		4	0.25
939484-8	22	LATCH LOCK BOLT & NUT	2	1	1.50
939672	23	GUIDE PLATE COTTER		4	0.05
ZF-GZN-02-3	24	1/8 NPT GREASE ZERT		1	0.05
24506	25	INSERT SPACER	4	4	0.25
30211	26	SETTING PLATE BOLT	4	4	0.25
30213	27	RUBBER BUSHING	4	4	0.05
30216	28	SETTING PLATE RETAINER	2		0.25
941271-73	29	INSERT RETAINER SCREW	4	8	0.13
30214	30	INSERT RETAINER RING 3 1/2"-4 1/2"	4	4	2.75
30224	30	INSERT RETAINER RING 5" - 5 1/2"	4	4	2.13
30230	30	INSERT RETAINER RING 6 5/8" - 7"	4	4	2.75
SEE TABLE	31	SETTING PLATE (SEE TABLE ON PREVIOUS PAGE)	2	1	-
	32	INSERTS (SEE PAGE 79)	2 SETS	-	-

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

HYC 200 TON SLIP TYPE ELEVATORS

RMET#	DESCRIPTION	RANGE	SIZE OF LINKS	WT. (LBS)
55310	HYC ELEVATOR COMPLETE L/ SLIPS & BOTTOM GUIDES	3 1/2" - 7 5/8"	2 1/4" - 3 1/2"	1300



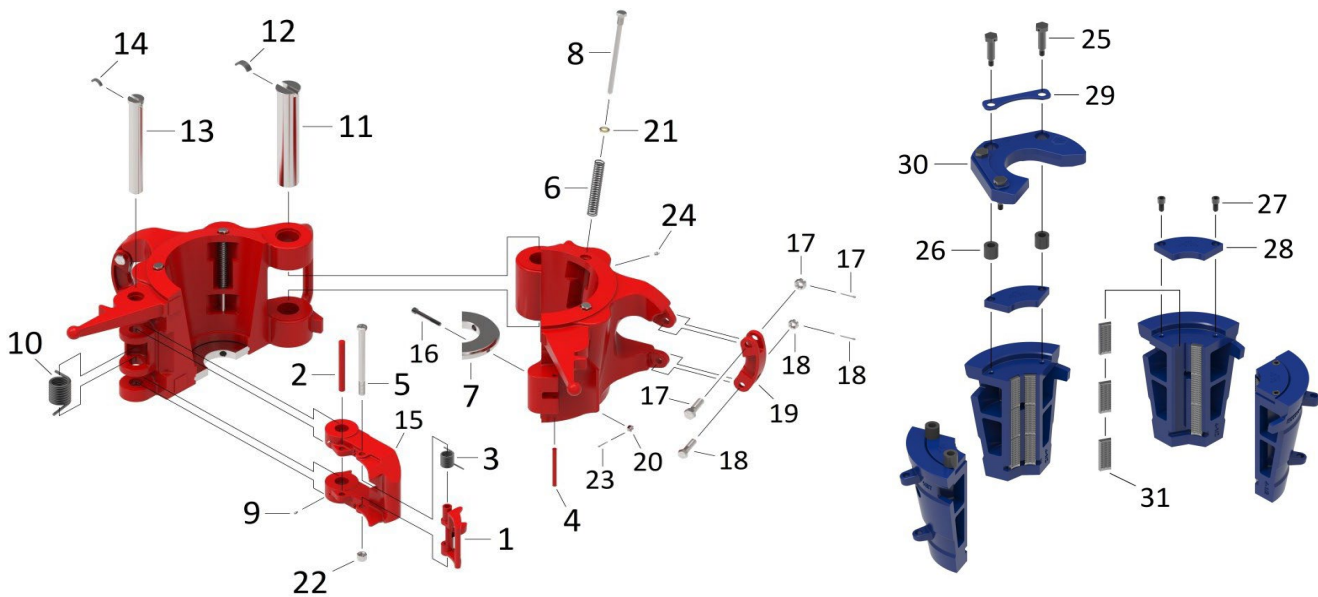
HYC SLIP ASSEMBLIES

RMET#	DESCRIPTION	WT. (LBS)
70009	7 5/8" X 7 5/8" HYC SLIP ASSY.	265
55515	7" X 7" HYC SLIP ASSY.	265
55514	7" X 6 5/8" HYC SLIP ASSY.	300
55513	5 1/2" X 5 1/2" HYC SLIP ASSY.	300
55512	5 1/2" X 5" HYC SLIP ASSY.	300
55511	4 1/2" X 4 1/2" HYC SLIP ASSY.	300
55510	4 1/2" X 4" HYC SLIP ASSY.	300
55509	4 1/2" X 3 1/2" HYC SLIP ASSY.	300
55305-1	7 5/8" HYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	200
55305	7" HYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	200
55304	5 1/2" HYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	230
55303	4 1/2" HYC SLIP SEGMENTS ONLY (MATCHED SET OF 4)	250

HYC MILL CUT SLIP ASSEMBLIES

RMET#	DESCRIPTION	WT. (LBS)
55575-MC	8 3/4" MILL CUT SLIP SET LESS RISER SETTING PLATE	-
55585-MC	8 5/8" MILL CUT SLIP SET LESS RISER SETTING PLATE	-
55515-MC	7 5/8" MILL CUT SLIP SET LESS RISER SETTING PLATE	-

HYC REPLACEMENT PARTS



RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
13152	1	LATCH LOCK	1	1	4
13185	2	LATCH SPRING STOP		1	.25
13188	3	LATCH LOCK SPRING	2	1	.25
13190	4	DOOR LUG PIN		1	.65
15101	5	LATCH LOCK BOLT	1	1	.75
945044-2	6	SLIP SPRING	8	4	.35
24076	8	SLIP BOLT	4	4	1
ZF-GZN-02-3	9	GREASE FITTING		1	.1
34909	10	LATCH SPRING	2	1	1.5
55311	11	HINGE PIN		1	25
55504	12	HINGE PIN RETAINER		1	.35
55312	13	LATCH PIN		1	9
55505	14	LATCH PIN RETAINER		1	.2
55503	15	LATCH		1	
24075	16	BOTTOM GUIDE PLATE SCREW W/ NUT		4	.84
939672-19	17	COTTER PIN	3	3	.1
8145-1	17	UPPER LINK BLOCK BOLT, NUT, & COTTER	2	2	.5
8145-2	18	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	.5
939672-17	18	COTTER PIN	8	4	.1
9519	19	LINK BLOCK		2	5.5
939484-5	20	BOTTOM GUIDE PLATE NUT		4	.25
939354-6	21	LOCKWASHER	4	4	.25
8150	22	LATCH LOCK BOLT NUT	1	1	.25
939672	23	BOTTOM GUIDE PLATE COTTER		4	.05
ZF-GZN-02-3	24	GREASE FITTING		1	.05
55501	25	SETTING PLATE BOLT	8	4	.41
55502	26	RUBBER BUSHING	8	4	.04
941271-73	27	INSERT RETAINER SCREW	4	4	.08
70011	28	7 5/8" INSERT RETAINER		4	1.85
30230	28	7" INSERT RETAINER		4	2
30224	28	5 1/2" INSERT RETAINER		4	2.5
30214	28	4 1/2" - 3 1/2" INSERT RETAINER		4	2.5
30216	29	SETTING PLATE RETAINER (3 1/2" - 7")	2	2	.25
70147	29	SETTING PLATE RETAINER (7 5/8")	2	2	.3

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

HYC SETTING PLATES

RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
70012	30	7 5/8" HYC SETTING PLATE	1	11.00
55522	30	7" HYC SETTING PLATE	1	11.50
55521	30	6 5/8" HYC SETTING PLATE	1	12.00
55520	30	5 1/2" HYC SETTING PLATE	1	13.00
55519	30	5" HYC SETTING PLATE	1	14.50
55518	30	4 1/2" HYC SETTING PLATE	1	15.00
55517	30	4" HYC SETTING PLATE	1	16.50
55516	30	3 1/2" HYC SETTING PLATE	1	18.00

THE SETTING PLATES ARE ONLY COMPATIBLE WITH STANDARD HYC SLIPS
RECOMMENDED SPARES INCLUDE 2 SETTING PLATES FOR EACH PIPE SIZE TO BE RUN

HYC BOTTOM GUIDE PLATES

RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
24071-6	7	7 5/8" HYC BOTTOM GUIDE	1	5.02
24071-2	7	7" BOTTOM GUIDE	1	3.75
24071-3	7	6 5/8" BOTTOM GUIDE	1	4.50
24071-1	7	5 1/2" BOTTOM GUIDE	1	5.50
24071	7	5" BOTTOM GUIDE	1	7.75
24071-4	7	4 1/2" BOTTOM GUIDE	1	8.50
26827	7	4" BOTTOM GUIDE	1	8.50
26827-1	7	3 1/2" BOTTOM GUIDE	1	8.00

BOTTOM GUIDE PLATES ARE NOT COMPATIBLE WHEN RUNNING MILL CUT SLIPS
RECOMMENDED SPARES INCLUDE 1 SET OF BOTTOM GUIDES FOR EACH PIPE SIZE TO BE RUN

HYC INSERTS

RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
16407-HYC	31	7 5/8" BASIC INSERT	48	.50
16407	31	7" X 7" INSERT	48	.50
24748	31	7" X 6 5/8" INSERT	48	.75
16407	31	5 1/2" X 5 1/2" INSERT	36	.50
24783	31	5 1/2" X 5" INSERT	36	.80
24785	31	5 1/2" X 4 1/2" INSERT	36	1.05
16408	31	4 1/2" X 4 1/2" INSERT	24	.50
24781	31	4 1/2" X 4" INSERT	24	.80
24779	31	4 1/2" X 3 1/2" INSERT	24	1.00

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

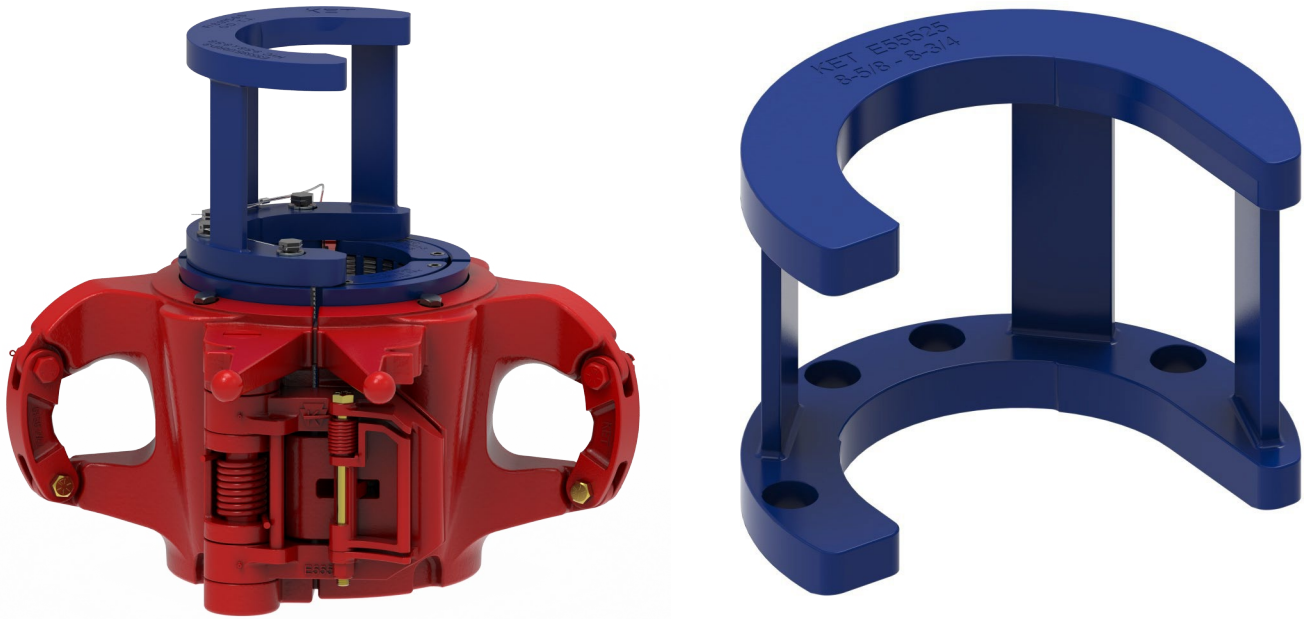
HYC RISER SETTING PLATES

RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
55595RP	30	9 5/8" HYC 10" RISER SETTING PLATE	1	-
55575RP	30	7 5/8" HYC 10" RISER SETTING PLATE	1	-
55583RP	30	8 3/4" HYC 10" RISER SETTING PLATE	1	-

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HYC-XR 200 TON SLIP TYPE ELEVATORS

RMET#	DESCRIPTION	RANGE	SIZE OF LINKS	WT. (LBS)
55310-XR	HYC-XR 200 TON ELEVATOR	7 5/8" - 9 5/8"	2 1/4" - 3 1/2"	1200



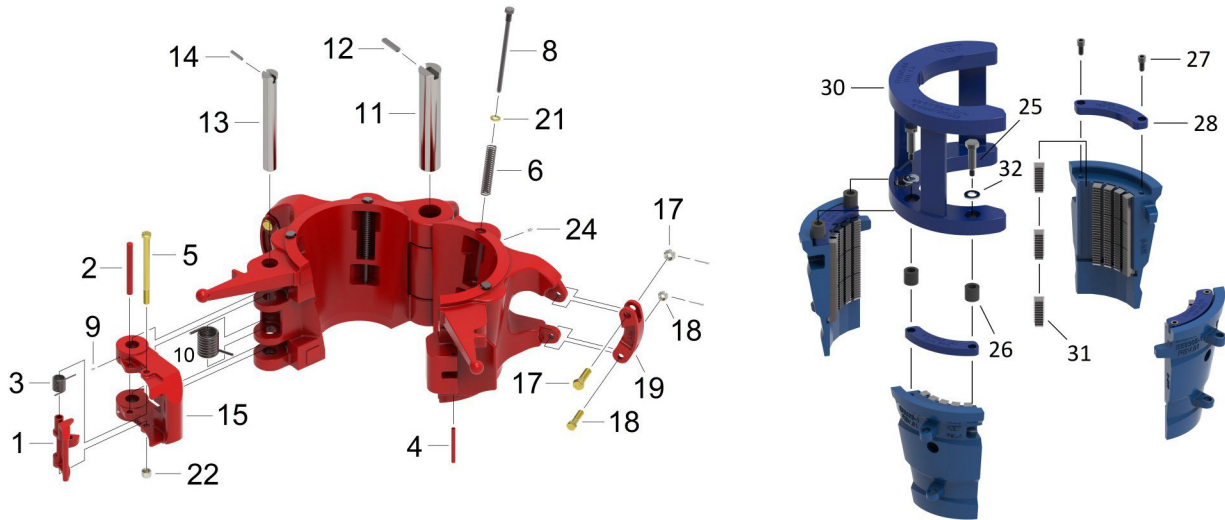
HYC SLIP ASSEMBLIES

RMET#	DESCRIPTION	WT. (LBS)
55515-87	8 5/8" X 7 5/8" SLIP ASSEMBLY COMPLETE L/ RISER SETTING PLATE	-
55515-8	8 5/8" SLIP ASSEMBLY COMPLETE L/ RISER SETTING PLATE	-
55515-98	9 5/8" X 8 5/8" SLIP ASSEMBLY COMPLETE L/ RISER SETTING PLATE	-
55515-9	9 5/8" SLIP ASSEMBLY COMPLETE L/ RISER SETTING PLATE	-
55515-11	8 5/8" HYC-XR SLIP SET (MATCHED SET OF 4)	-
55515-10	9 5/8" HYC-XR SLIP (MATCHED SET OF 4)	-

HYC RISER SETTING PLATE

RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
70012RP	30	7 5/8" HYC 10" RISER SETTING PLATE	1	-
55525RP	30	8 5/8" HYC 10" RISER SETTING PLATE	1	-
55585XRRP-9	30	8 5/8" HYC 12" RISER SETTING PLATE	1	-
55585RP-9	30	8 5/8" HYC 10" RISER SETTING PLATE F/ MILL CUT SLIPS	1	-

HYC-XR REPLACEMENT PARTS



RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ	WT. (LBS)
13152	1	LATCH LOCK	1	1	4
13185	2	LATCH SPRING STOP		1	0.25
13188	3	LATCH LOCK SPRING	2	1	0.25
13190	4	DOOR LUG PIN		1	0.65
15101	5	LATCH LOCK BOLT	1	1	0.75
945044-2	6	SLIP SPRING	8	4	0.35
24076	8	SLIP BOLT	4	4	1
ZF-GZN-02-3	9	GREASE FITTING		1	0.1
34909	10	LATCH SPRING	2	1	1.5
55311	11	HINGE PIN		1	25
55504	12	HINGE PIN RETAINER		1	0.35
55312	13	LATCH PIN		1	9
55505	14	LATCH PIN RETAINER		1	0.2
939672-19	17	COTTER PIN	3	3	0.1
8145-1	17	UPPER LINK BLOCK BOLT, NUT, & COTTER	2	2	0.5
8145-2	18	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	0.5
939672-17	18	COTTER PIN	8	4	0.1
9519	19	LINK BLOCK		2	5.5
939354-6	21	LOCKWASHER	4	4	0.25
8150	22	LATCH LOCK BOLT NUT	1	1	0.25
55501	25	SHOULDER SCREW	8	4	0.41
55502	26	RUBBER BUSHING	8	4	0.04
941271-73	27	INSERT RETAINER SCREW	4	4	0.08
30214	28	INSERT RETAINER 8 5/8" – 9 5/8"		4	2.5
70011	28	7 5/8" INSERT RETAINER		4	1.85
N/A	30	RISER SETTING PLATE (SEE TABLE ON PREVIOUS PAGE)		1	-
20-103-86	31	TYPE "A" 9 5/8" x 8 5/8" INSERT	60	60	.22
20-103	31	TYPE "A" INSERT	60	60	.22
9133865-10	32	SHOULDER SCREW WASHER		4	.1

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

BASIC TYPE INSERTS FOR BJ® ELEVATORS - YC THROUGH 1000 TON

RMET#	SLIP SIZE	PIPE SIZE (OD)	YC	NUMBER OF INSERTS REQUIRED					WT. (LBS) (EA)
				7 5/8" 175 TON	13 3/8" 350 TON	13 3/8" 500 TON	10 3/4" 500 TON	14" 1000 TON	
16442	4"	4"	16						.50
16408	4 1/2"	4 1/2"	16	27					.50
16407	5 1/2"	5 1/2"	16	27	36	45	45		.50
16407	7"	7"	24		48	60	60		.50
16407-HYC	7 5/8"	7 5/8"		45	60	75	75		.50
15660	8 5/8"	8 5/8"			60		75		.50
15660	8 7/8"	8 7/8"						108	.50
15660	9 5/8"	9 5/8"			72	90	90		.50
15660	10 3/4"	10 3/4"			72		90		.50
15660	10 7/8"	10 7/8"						126	.50
15660	11 3/4"	11 3/4"			72	105			.50
15660	12 1/2"	12 1/2"						144	.50
15660	13 3/8"	13 3/8"			84	135			.50
15660	14"	14"						162	.50

REDUCING INSERTS FOR BJ® ELEVATORS - YC THROUGH 1000 TON

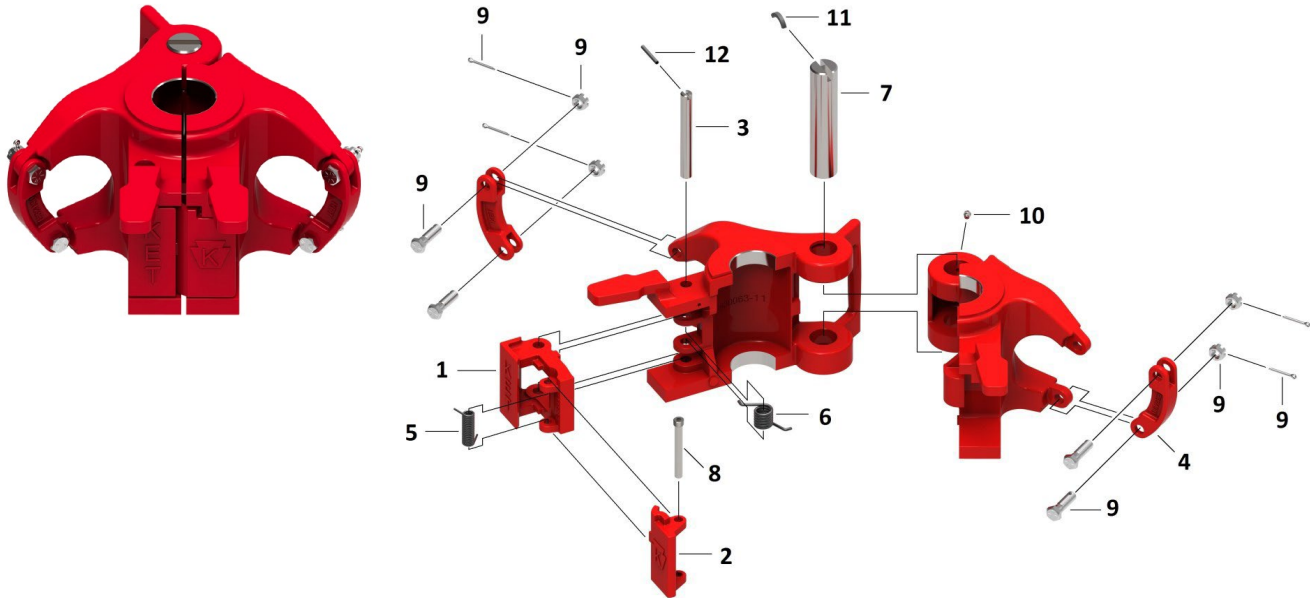
RMET#	SLIP SIZE	PIPE SIZE (OD)	YC	NUMBER OF INSERTS REQUIRED					WT. (LBS) (EA)
				7 5/8" 175 TON	13 3/8" 350 TON	13 3/8" 500 TON	10 3/4" 500 TON	14" 1000 TON	
25780	3 1/2"	2 7/8"		18					.85
24777	3 1/2"	2 3/8"		18					1.20
24781	4 1/2"	4"	16	27					.80
24779	4 1/2"	3 1/2"	16	27					1.00
24783	5 1/2"	5"	16	27	36	45	45		.80
24785	5 1/2"	4 1/2"	16	27	36	45	45		1.05
24748	7"	6 5/8"	24		48	60	60		.75
25474	7 5/8"	6 5/8"		45	60	75	75		1.05
26750	7 5/8"	7"		45	60	75	75		.90
26750-HYC	7 5/8"	7"		45	60	75	75		.90
25474	8 5/8"	7 5/8"		45	60		75		1.05
39290	8 7/8"	7 5/8"						108	1.20
39286	8 7/8"	8 5/8"						108	.65
25474	9 5/8"	8 5/8"			72	90	90		1.05
33249	10 3/4"	9 5/8"			72		90		1.15
39290	10 7/8"	9 5/8"						126	1.30
39285	10 7/8"	10 3/4"						126	.60
25474	11 3/4"	10 3/4"			72	105		126	1.05
39289	12 1/2"	11 3/4"						144	.90
32700	14"	13 3/8"						162	.90

INSERTS FOR VARCO® ELEVATORS/SPIDERS

RMET#	DESC.	REF#	SLIP SIZE	PIPE SIZE (OD)	NUMBER OF INSERTS REQUIRED							WT. EA. (LBS)	
					200 TON 14"	350 TON 14"	500 TON 14"	750 TON 24"	1000 TON 24"	500 TON 24"	750 TON		
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
2633	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
2633	BASIC	2633	9 5/8"	9 5/8"		48/32B	64/32B	80/32B	96/24B				.81
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
2636	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
13868	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

TMA 100 TON SQUARE SHOULDER ELEVATORS

RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
50006310	2 3/8" - 5"	1 3/4" - 2 3/4"	132



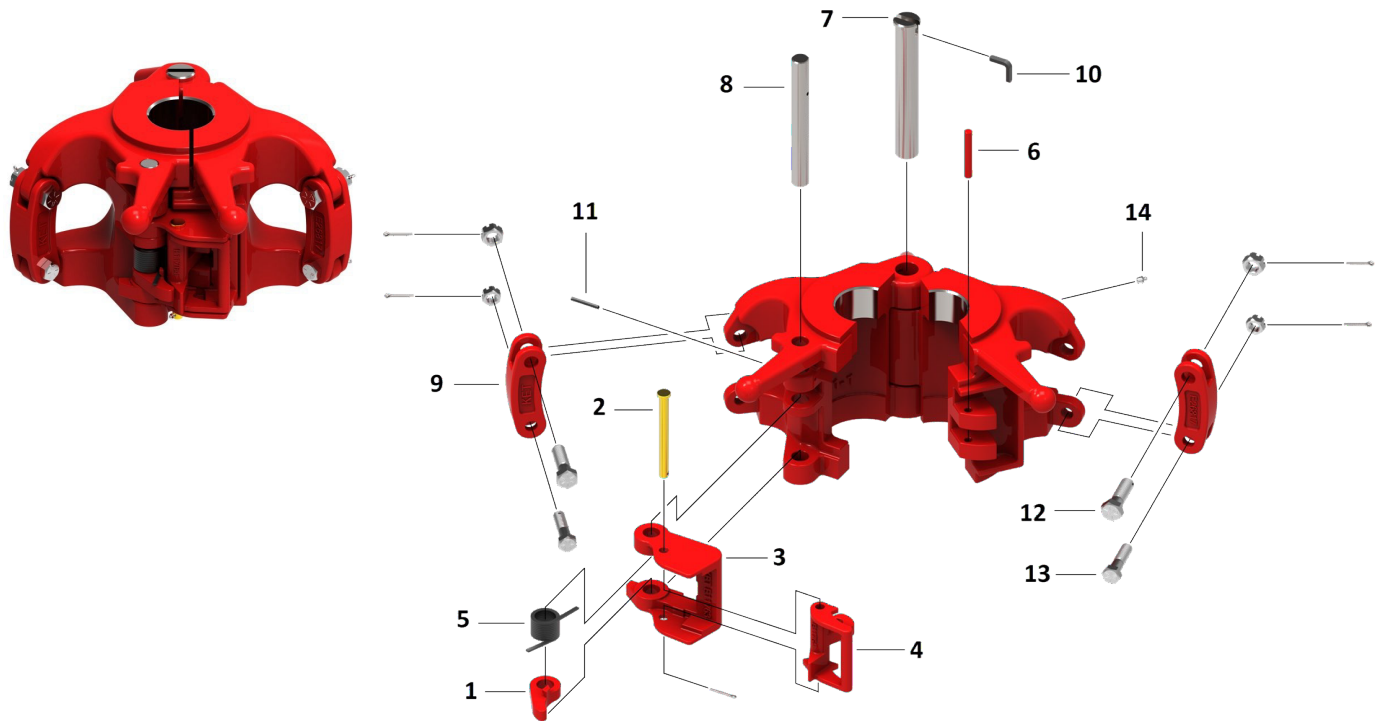
REPLACEMENT PARTS FOR TMA ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
32380	1	LATCH		1	6.36
32381-1	2	LATCH LOCK		1	2.38
32424-1	3	LATCH PIN		1	.78
32430	4	LINK BLOCK		2	2.25
32469	5	LATCH LOCK SPRING	2	1	.125
32470	6	LATCH SPRING	2	1	.18
32916	7	HINGE PIN		1	5.48
36208	8	LATCH LOCK PIN	1	1	.24
939099-65	9	LINK BLOCK BOLT, NUT, AND COTTER	1	4	.12
ZF-GZN-02-3	10	GREASE FITTING	2	1	.02
32915-R	11	HINGE PIN RETAINER	2	1	.12
32424-1-R	12	LATCH PIN RETAINER	2	1	.12

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

MRA 175 TON CENTER LATCH SQUARE SHOULDER ELEVATOR

RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
30158	2 3/8" – 5 1/2"	1 3/4" - 2 3/4"	210



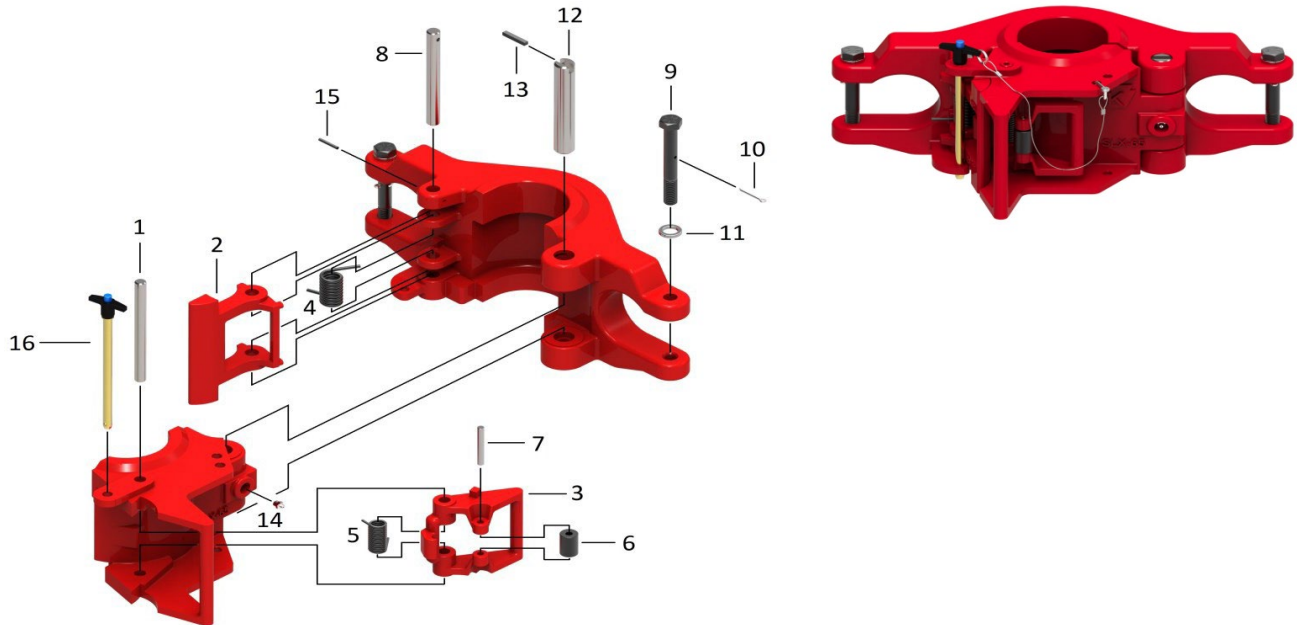
REPLACEMENT PARTS FOR MRA ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
11581	1	LATCH CAM	1	1	.12
11759	2	LATCH LOCK PIN	1	1	2.09
11763	3	LATCH		1	9.04
11764	4	LATCH LOCK		1	3.00
11766	5	LATCH SPRING	2	1	.10
12529	6	LATCH LUG PIN		1	.03
26813-2	7	HINGE PIN		1	4.09
26814	8	LATCH PIN		1	2.09
26817	9	LINK BLOCK		1	3.08
29464	10	HINGE PIN RETAINER	2	1	.12
8156	11	LATCH PIN RETAINER	2	1	.12
8145-1	12	UPPER LINK BLOCK BOLT, NUT, & COTTER	2	2	.12
8145-2	13	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	.12
ZF-GZN-02-3	14	GREASE ZERT	2	1	.02

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

SLX-65 (65 TON) SIDE DOOR ELEVATORS

RMET#	RANGE	WT. (LBS)
38-045	3 1/2" – 5 1/2"	160
38-067	5 3/4" – 8 5/8"	190
38-809	9" – 10 3/4"	218
38-137	11" – 14 1/4"	275



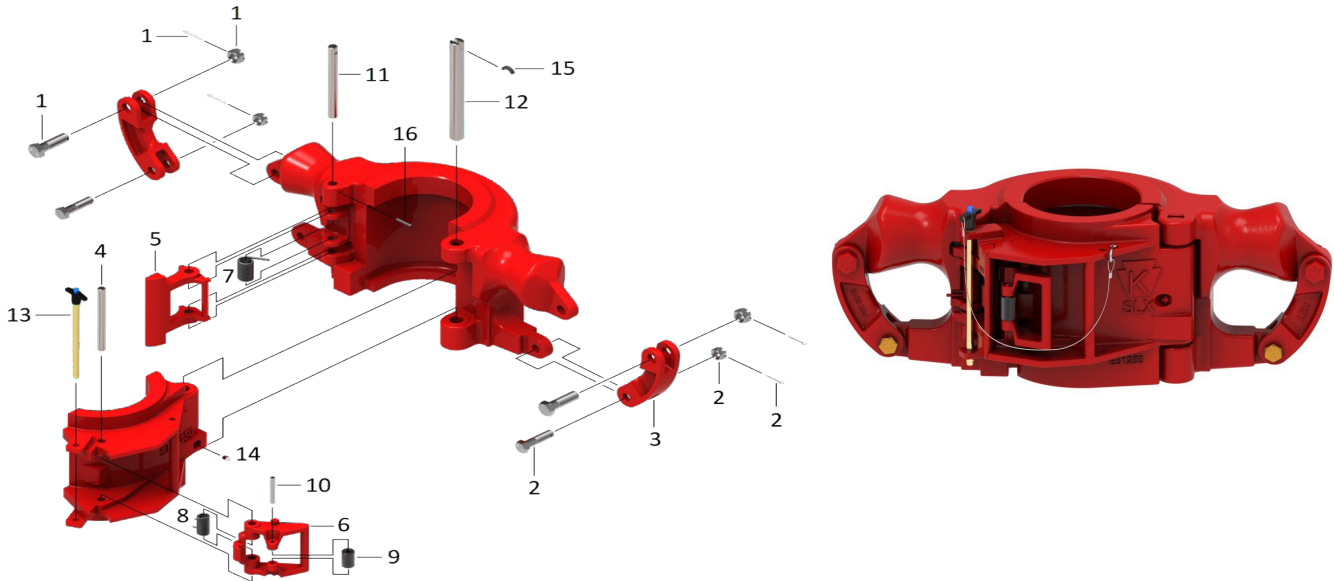
REPLACEMENT PARTS FOR SLX-65 ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
29980-4	1	LATCH LOCK PIN		1	.50
31331	2	LATCH		1	4.50
31332	3	LATCH LOCK		1	3.50
31383	4	LATCH SPRING	2	1	.45
31404	5	LATCH LOCK SPRING	2	1	.19
31407	6	LATCH LOCK ROLLER		1	.38
31584	7	LATCH LOCK ROLLER PIN		1	.13
32424-3	8	LATCH PIN		1	.83
34X6	9	LINK BLOCK BOLT (38-045 FRAME)	2	2	.75
34X7	9	LINK BLOCK BOLT (38-067, 38-137, 38-809 FRAME)	2	2	.75
34X7-C	10	LINK BLOCK BOLT COTTER		1	.04
34X7-W	11	LINK BLOCK BOLT LOCK WASHER		1	.07
34611	12	HINGE PIN (38-137, 38-809 FRAME)		1	2.00
34612	12	HINGE PIN (38-045, 38-067 FRAME)		1	2.00
34611-R	13	HINGE PIN RETAINER (38-137, 38-809 FRAME)		1	.06
34614	13	HINGE PIN RETAINER (38-045, 38-067 FRAME)		1	.06
ZF-GZN-02-3	14	GREASE FITTING	1	1	.08
947128-120	15	LATCH PIN RETAINER	1	1	.08
39-051-5	16	SAFETY LATCH LOCK PIN	2	1	.50

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

SLX (150 - 350 TON) SIDE DOOR ELEVATORS

150 TON RMET#	250 TON RMET#	350 TON RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
31150	N/A	N/A	3 1/2" – 5"	2 1/4" – 3 1/2"	270
31239	31250	31275 (5 1/2" – 8 5/8")	4 1/2" – 8 5/8"	2 1/4" – 3 1/2"	300
33950	33650	33675	9 5/8" – 10 3/4"	2 1/4" – 3 1/2"	420
33982	33850	33875	11 3/4" – 14"	2 1/4" – 3 1/2"	475



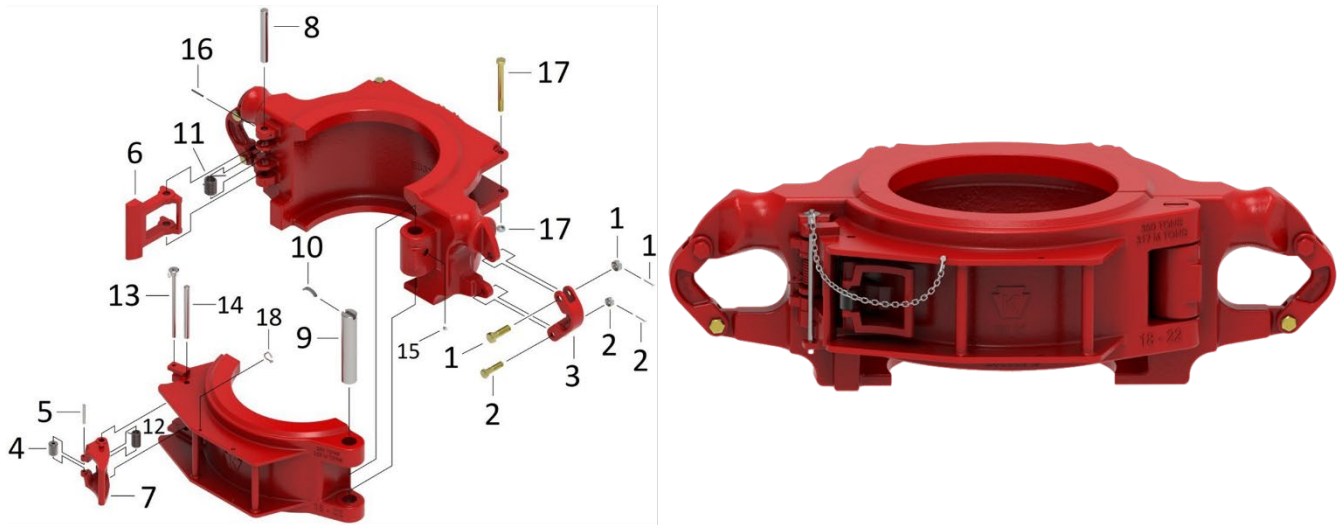
REPLACEMENT PARTS FOR SLX-150, 250 & 350 ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
8145-1	1	UPPER LINK BLOCK BOLT, NUT & COTTER	2	2	1.13
8145-2	2	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	1.13
9519	3	LINK BLOCK		2	5.50
29980-4	4	LATCH LOCK PIN	1	1	.50
31331	5	LATCH		1	4.50
31332	6	LATCH LOCK		1	3.50
31383	7	LATCH SPRING	2	1	.44
31404	8	LATCH LOCK SPRING	2	2	.19
31407	9	LATCH LOCK ROLLER	2	1	.38
31584	10	LATCH LOCK ROLLER PIN		1	.13
32424-5	11	LATCH PIN	1	1	.75
34611	12	HINGE PIN (31239 FRAME)		1	4.44
33953	12	HINGE PIN (33950 FRAME)		1	6.25
33985	12	HINGE PIN (33982 FRAME)		1	8.50
39-051-5	13	SAFETY LATCH LOCK PIN	2	1	.50
ZF-GZN-02-3	14	1/8 NPT GREASE ZERT	1	1	.08
34614	15	HINGE PIN RETAINER (31239 FRAME)		1	.09
32918	15	HINGE PIN RETAINER (33950 FRAME)		1	.06
32982	15	HINGE PIN RETAINER (33985 FRAME)		1	.04
947128-120	16	LATCH PIN RETAINER (SPRING PIN)	1	1	.08

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

SLX (150 - 350 TON) SIDE DOOR ELEVATORS

150 TON RMET#	250 TON RMET#	350 TON RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
33632	33633	33634	18" – 22 5/8"	2 1/4" – 3 1/2"	-



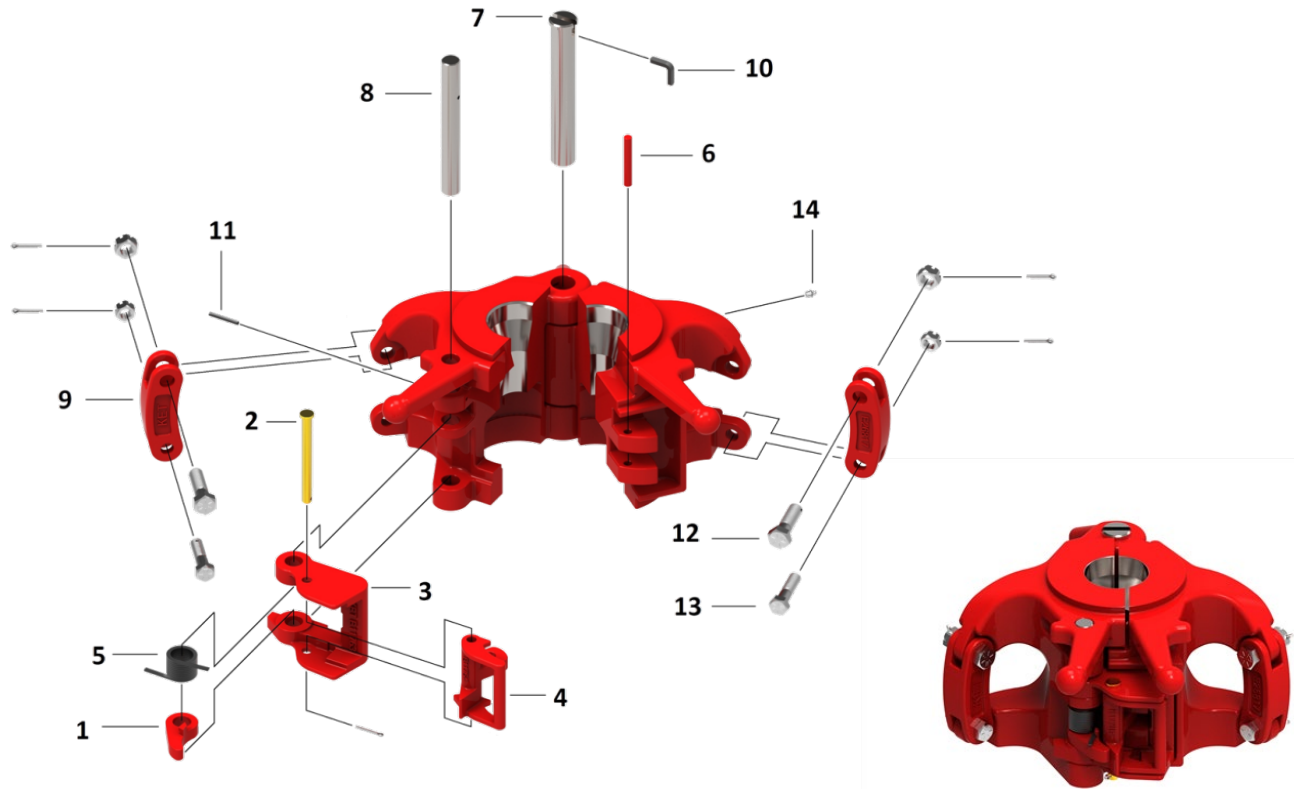
REPLACEMENT PARTS FOR SLX-150, 250, & 350 ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
8145-1	1	UPPER LINK BLOCK BOLT, NUT, COTTER	2	2	0.86
8145-2	2	LOWER LINK BLOCK BOLT, NUT, COTTER	2	2	0.57
33250	3	LINK BLOCK		2	-
31407-20	4	LATCH LOCK ROLLER		1	0.38
31584	5	LATCH LOCK ROLLER PIN		1	-
33634	6	LATCH		1	810.00
33635	7	LATCH LOCK		1	3.45
33645	8	LATCH PIN	1	1	-
33646	9	HINGE PIN		1	-
33646-RT	10	HINGE PIN RETAINER		1	-
31383	11	LATCH SPRING	2	1	0.34
33657	12	LATCH LOCK SPRING		1	-
535452	13	SAFETY LATCH LOCK PIN	2	1	-
50713	14	LATCH LOCK PIN	1	1	-
ZF-GZN-02-3	15	1/8 NPT GREASE ZERT	1	1	0.08
947128-120	16	LATCH PIN RETAINER	1	1	-
34X95	17	REAR HANDLE BOLT, NUT, & COTTER	2	2	-
ZP-CS-03-Z	18	COLD SHUT LINK, 3/16 ZINC	2	1	.02

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

MG 100 TON BOTTLENECK ELEVATORS

RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
30157	2 3/8" - 5"	1 3/4" - 2 3/4"	240



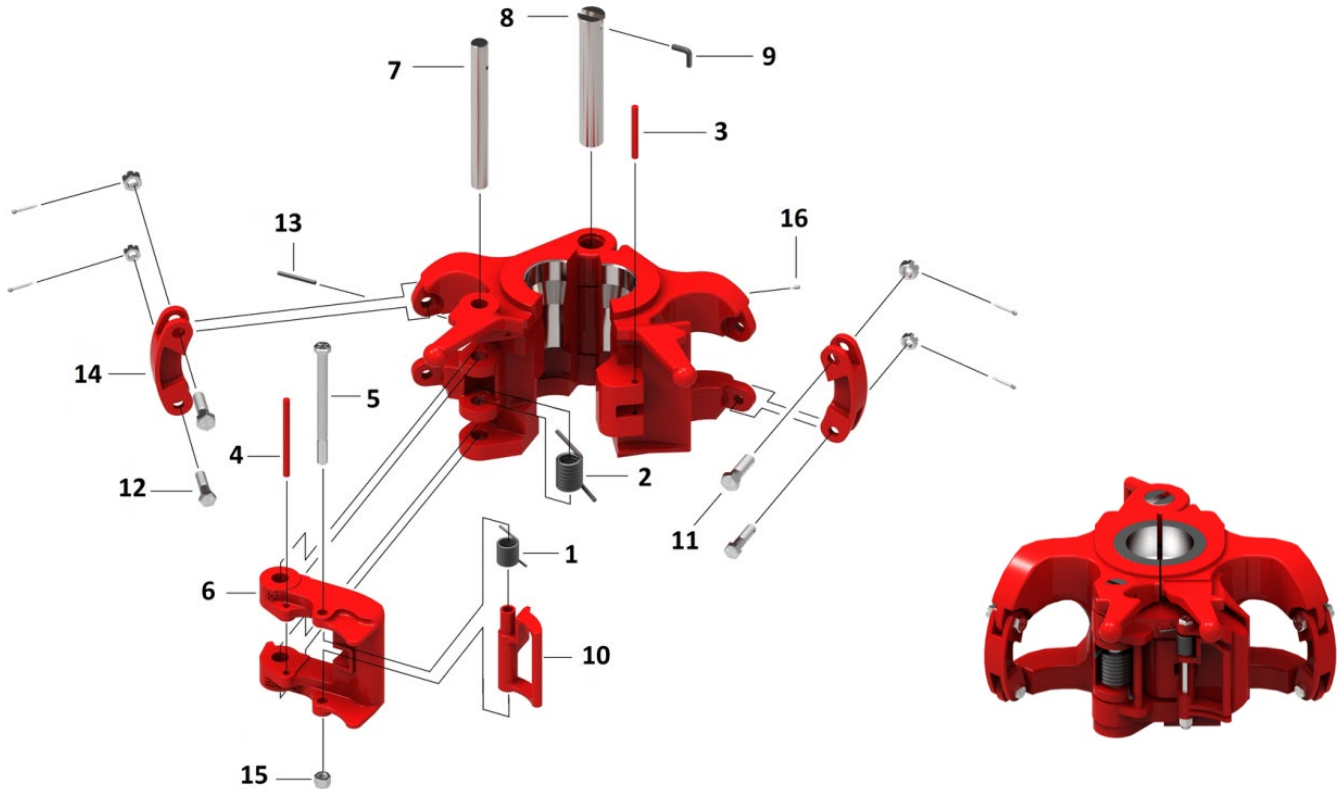
REPLACEMENT PARTS FOR MG ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ	WT. (LBS)
11581	1	LATCH CAM	1	1	.75
11759	2	LATCH LOCK PIN	1	1	.75
11763	3	LATCH		1	9.25
11764	4	LATCH LOCK		1	3.00
11766	5	LATCH SPRING	2	1	.25
12529	6	DOOR LUG PIN		1	.25
26813	7	HINGE PIN		1	4.85
26814	8	LATCH PIN		1	.50
26817	9	LINK BLOCK		2	3.50
26813-RT	10	HINGE PIN RETAINER	1	1	.25
8156	11	LATCH PIN RETAINER	1	1	.25
8145-1	12	UPPER LINK BLOCK BOLT KIT	2	2	.80
8145-2	13	LOWER LINK BLOCK BOLT KIT	2	2	.55
ZF-GZN-02-3	14	GREASE FITTING		1	.10

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

RG 150 TON BOTTLENECK ELEVATORS

RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
30155	2 3/8" - 4 1/2"	1 3/4" - 2 3/4"	320



REPLACEMENT PARTS FOR RG ELEVATORS

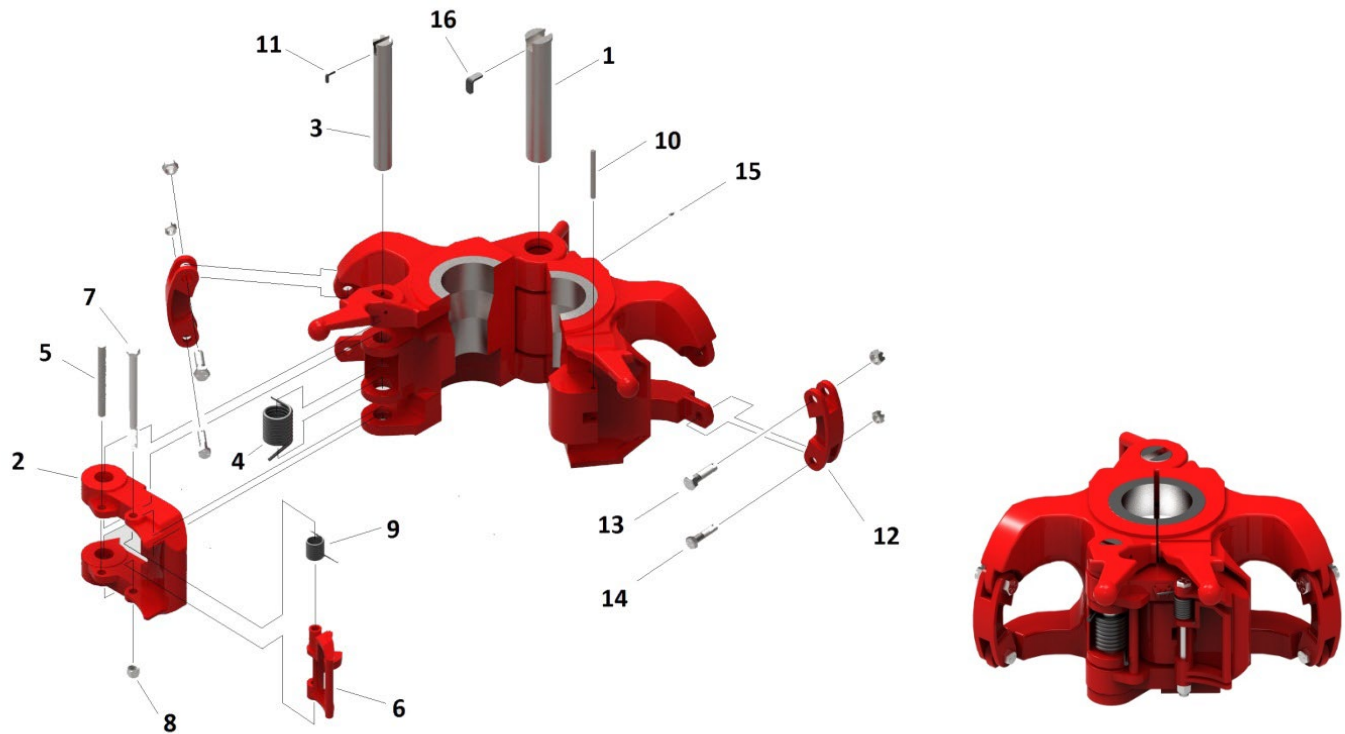
RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
13188	1	LATCH LOCK SPRING	2	1	.30
23546	2	LATCH SPRING	2	1	.75
23547	3	DOOR LUG PIN		1	.25
23548	4	LATCH SPRING STOP	1	1	.88
23553	5	LATCH LOCK BOLT	2	1	1.13
30142	6	LATCH		1	33.00
30148	7	LATCH PIN	**	1	3.90
23569	8	HINGE PIN	**	1	8.13
23569-2-RT	9	HINGE PIN RETAINER	2	1	.25
23729	10	LATCH LOCK	**	1	4.00
8145-1	11	UPPER LINK BLOCK BOLT KIT	2	2	.80
8145-2	12	LOWER LINK BLOCK BOLT KIT	2	2	.55
8156	13	LATCH PIN RETAINER	2	1	.10
9519	14	LINK BLOCK		2	5.50
939484-8	15	LATCH LOCK BOLT NUT		1	.20
ZF-GZN-02-3	16	GREASE FITTING	2	1	.10

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

** ADD ONE EACH OF THESE ITEMS FOR 2 YEAR SPARE PARTS

MGG 250 TON BOTTLENECK ELEVATORS

RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
35005	3 1/2" - 5 1/2"	2 1/4" - 3 1/2"	600



REPLACEMENT PARTS FOR MGG ELEVATORS

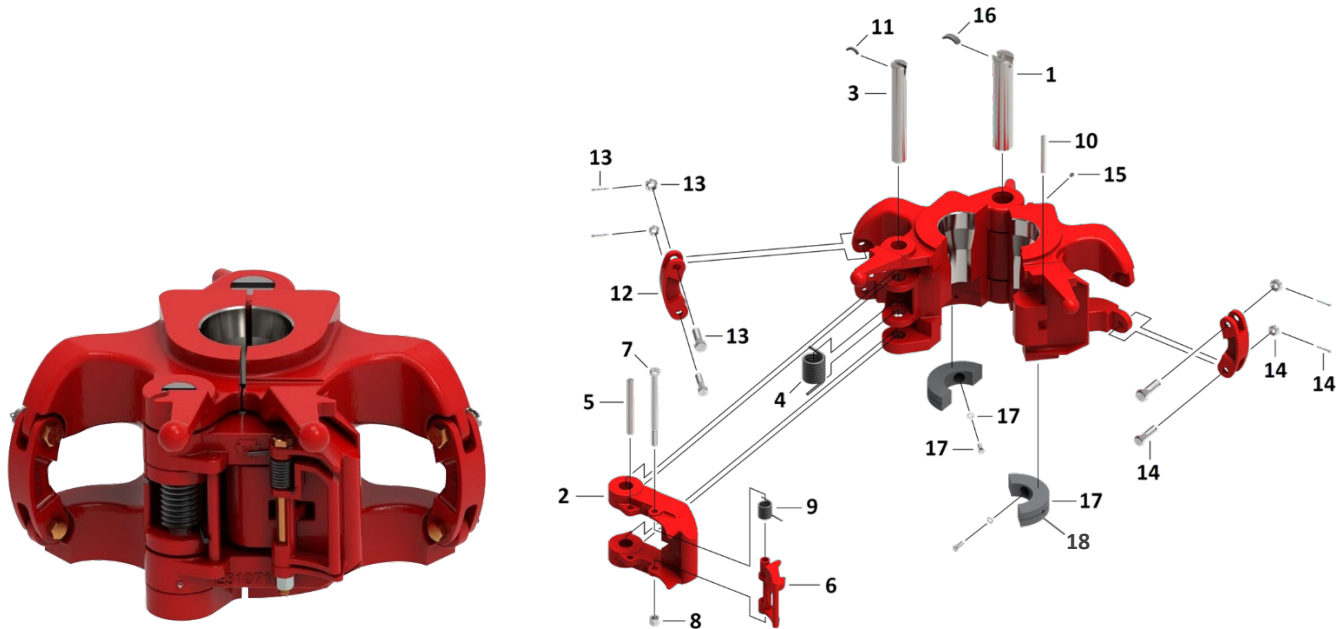
RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
34908	1	HINGE PIN	**	1	15.50
34906	2	LATCH		1	57.00
34907	3	LATCH PIN	**	1	7.31
34909	4	LATCH SPRING	2	1	2.50
13185	5	LATCH SPRING STOP	1	1	.94
13152	6	LATCH LOCK	**	1	4.00
15101	7	LATCH LOCK BOLT	2	1	1.30
939484-8	8	TEFLON LOCKNUT F/ LATCH LOCK BOLT	2	1	.20
13188	9	LATCH LOCK SPRING	2	1	.30
13190	10	DOOR LUG PIN		1	.32
34911	11	LATCH PIN RETAINER	2	1	.13
12732	N/P	DOOR CATCH ARM		1	1.50
12916	N/P	DOOR CATCH ARM PIN		1	.13
9561	N/P	DOOR CATCH SPRING		1	.13
12734	N/P	ROLLER		1	.50
12735	N/P	ROLLER PIN		1	.25
9519	12	LINK BLOCK		2	5.50
8145-1	13	UPPER LINK BLOCK BOLT KIT		2	.80
8145-2	14	LOWER LINK BLOCK BOLT KIT	2	2	.55
ZF-GZN-02-3	15	GREASE FITTING		3	.06
34910	16	HINGE PIN RETAINER	2	1	.19

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

** ADD ONE EACH OF THESE ITEMS FOR 2 YEAR SPARE PARTS

GG 350 TON BOTTLENECK ELEVATORS

RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
31068	3 1/2" – 6 5/8"	2 1/4" - 3 1/2"	700



REPLACEMENT PARTS FOR GG ELEVATORS

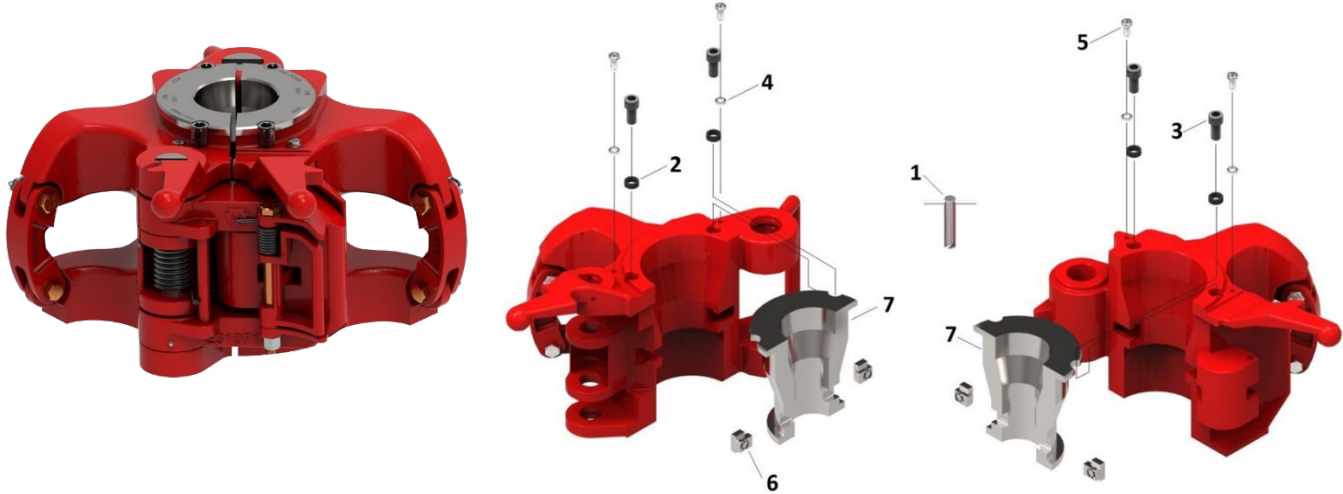
RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
33998	1	HINGE PIN	**	1	18.38
31071	2	LATCH		1	50.00
33999	3	LATCH PIN	**	1	10.38
18416	4	LATCH SPRING	2	1	2.25
13185	5	LATCH SPRING STOP	1	1	.94
13152	6	LATCH LOCK	**	1	4.00
15101	7	LATCH LOCK BOLT	2	1	1.30
939484-8	8	TEFLON LOCKNUT F/ LATCH LOCK BOLT	2	1	.20
13188	9	LATCH LOCK SPRING	2	1	.30
13190	10	DOOR LUG PIN		1	.32
32892	11	LATCH PIN RETAINER	2	1	.04
9519	12	LINK BLOCK		2	5.50
8145-1	13	UPPER LINK BLOCK BOLT KIT	2	2	.80
8145-2	14	LOWER LINK BLOCK BOLT KIT	2	2	.55
ZF-GZN-02-3	15	GREASE FITTING	2	1	.10
31074	16	HINGE PIN RETAINER	2	1	.19
200275-S	17	WEAR BUSHING SCREW		4	-
200275-120	18	3 1/2" WEAR BUSHING ----OPTIONAL----UPON REQUEST----		1	-
200275-121	18	4" WEAR BUSHING ----OPTIONAL----UPON REQUEST----		1	-
200275-122	18	4 1/2" WEAR BUSHING ----OPTIONAL----UPON REQUEST----		1	-
200275-123	18	5" WEAR BUSHING ----OPTIONAL----UPON REQUEST----		1	-
200275-124	18	5 1/2" WEAR BUSHING ----OPTIONAL----UPON REQUEST----		1	-
200275-5875	18	5 7/8" WEAR BUSHING ----OPTIONAL----UPON REQUEST----		1	-
200275-740	18	6 5/8" WEAR BUSHING ----OPTIONAL----UPON REQUEST----		1	-

* RECOMMENDED SPARE PARTS FOR 1 YEAR SERVICE

** ADD ONE EACH OF THESE ITEMS FOR 2 YEAR SPARE PARTS

MGG-GG 250 TON BUSHING TYPE ELEVATORS

RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
35005-IB (MGG)	2 7/8" – 5"	2 1/4" - 3 1/2"	600
31068-IB (GG)	2 7/8" – 5"	2 1/4" - 3 1/2"	750
31068-IB-2 (GG)	2 7/8" – 5 1/2"	2 1/4" – 3 1/2"	800

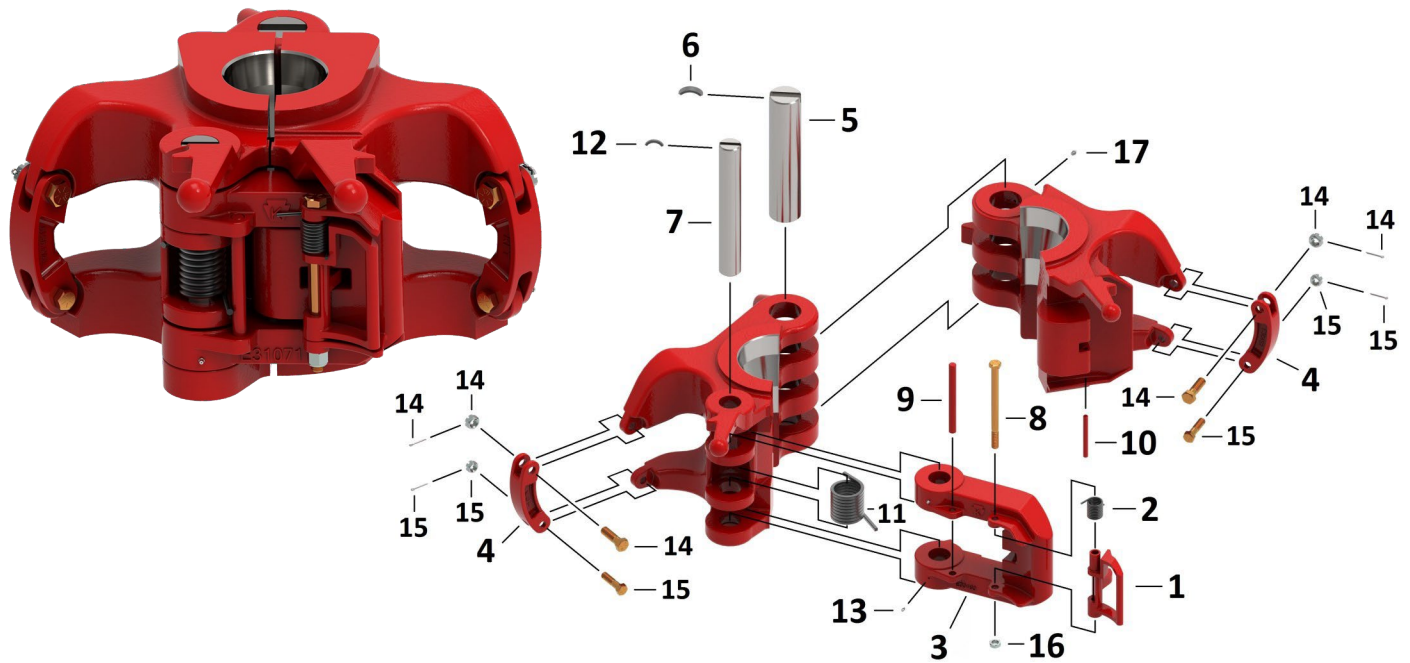


REPLACEMENT PARTS FOR BUSHING TYPE ELEVATORS

RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
35002-T	1	LOCK-BLOCK TOOL	1	1	.75
35001-S	2	RETAINER BUSHING	4	4	.06
35001	3	RETAINER BOLT	4	4	.30
35007	4	LOCK WASHER	4	4	.01
35006	5	SAFETY WIRE SCREW	4	4	.07
35002-ASSY	6	LOCK-BLOCK-ASSY.	4	4	.33
35000-	7	MGG BUSHING SET (SEE BELOW FOR SIZES)	1	1	SEE BELOW
31000-	7	GG BUSHING SET (SEE BELOW FOR SIZES)	1	1	SEE BELOW
31005-	7	GG-IB-2 BUSHING SET (SEE BELOW FOR SIZES)	1	1	SEE BELOW
35000-118		2-7/8" BUSHING F/ MGG	1	1	68.00
35000-120		3-1/2" BUSHING F/ MGG	1	1	66.00
35000-121		4" FH BUSHING F/ MGG	1	1	64.00
35000-220		4" SH BUSHING F/ MGG	1	1	65.00
35000-122		4-1/2" BUSHING F/ MGG	1	1	62.00
35000-123		5" BUSHING F/ MGG	1	1	59.00
31000-120		3-1/2" BUSHING F/ GG	1	1	70.00
31000-121		4" FH BUSHING F/ GG	1	1	68.00
31000-220		4" SH BUSHING F/ GG	1	1	69.00
31000-122		4-1/2" BUSHING F/ GG	1	1	66.00
31000-123		5" BUSHING F/ GG	1	1	64.00
31005-118		2 7/8" BUSHING F/ GG	1	1	75.00
31005-120		3-1/2" BUSHING F/ GG	1	1	70.00
31005-121		4" FH BUSHING F/ GG	1	1	68.00
31005-220		4" SH BUSHING F/ GG	1	1	69.00
31005-122		4-1/2" BUSHING F/ GG	1	1	66.00
31005-123		5" BUSHING F/ GG	1	1	64.00
31005-124		5 1/2" BUSHING F/ GG	1	1	62.00

HGG 500 TON BOTTLENECK ELEVATORS

RMET#	RANGE	SIZE OF LINKS	WT. (LBS)
70013	4" – 6 5/8"	2 1/4" - 3 1/2"	1200



REPLACEMENT PARTS FOR HGG ELEVATORS

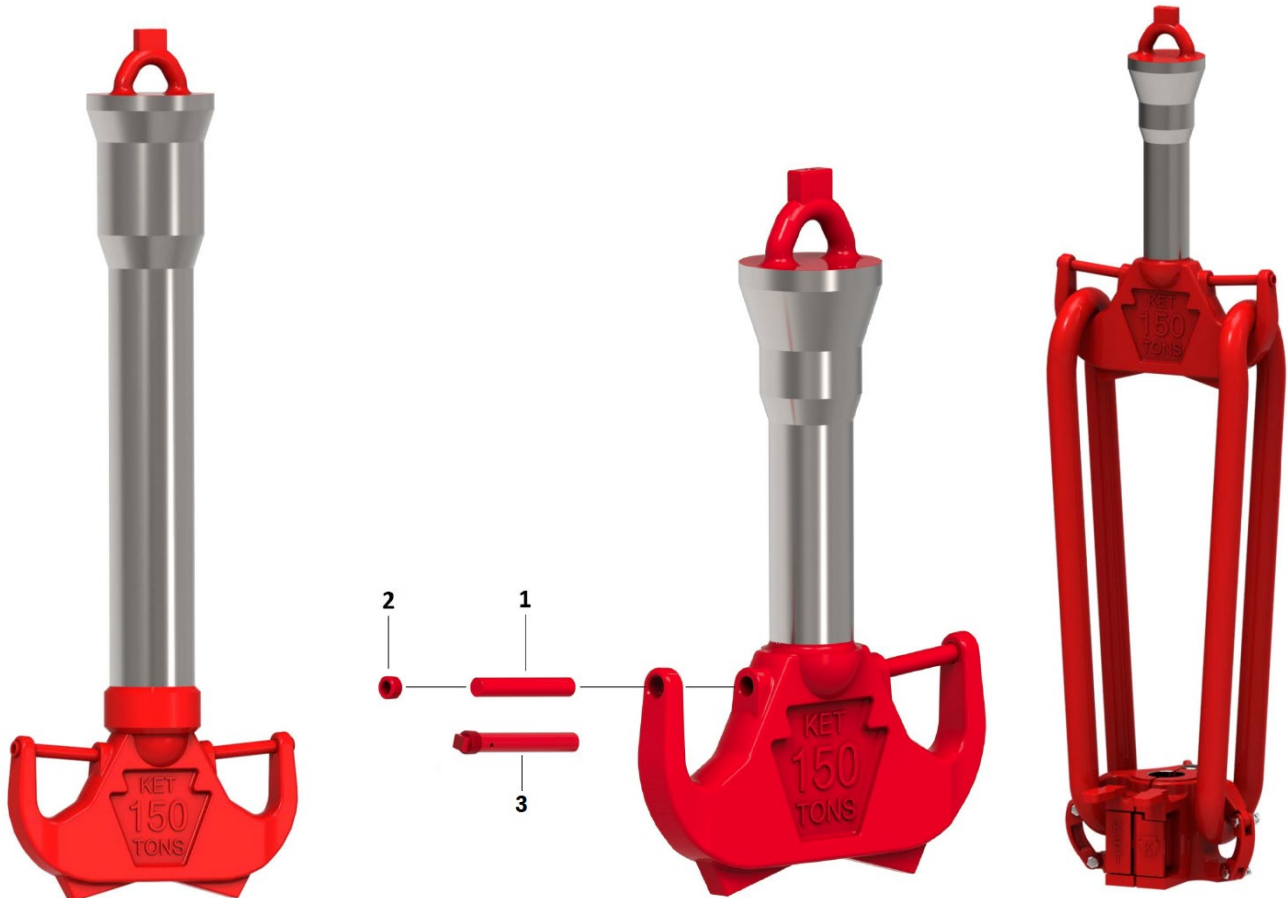
RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ.	WT. (LBS)
13152-1	1	LATCH LOCK	**	1	3.96
13188	2	LATCH LOCK SPRING	2	1	.36
30460	3	LATCH		1	106
30492	4	LINK BLOCK	2	2	5.54
30553	5	HINGE PIN	**	1	19.00
30609	6	HINGE PIN RETAINER	2	1	.4
30613	7	LATCH PIN	**	1	10.5
31138	8	LATCH LOCK BOLT	2	1	1.50
31215	9	SPRING STOP PIN	1	1	.92
31216	10	DOOR LUG PIN		1	.35
31228	11	LATCH SPRING	2	1	1.00
E31525	12	LATCH RETAINER PIN	2	1	.1
316-TI	13	GREASE FITTING F/ LATCH	2	1	.03
8145-1	14	UPPER LINK BLOCK BOLT, NUT, & COTTER	2	2	.86
8145-2	15	LOWER LINK BLOCK BOLT, NUT, & COTTER	2	2	.57
939484-8	16	LATCH LOCK BOLT NUT	2	2	.25
ZF-GZN-02-3	17	GREASE FITTING F/ DOOR	2	2	.08

* RECOMMENDED SPARE PARTS FOR 1 YEAR SERVICE

** ADD ONE EACH OF THESE ITEMS FOR 2 YEAR SPARE PARTS

BECKETS AND BAILS

RMET#	ITEM#	DESCRIPTION	WT. (LBS)
31189-120-124		150 TON "DC" BECKET F/ 3 1/2" - 5 1/2"	176
31189-120-124-XL		EXTRA LONG 150 TON BECKET F/ 3 1/2" - 5 1/2"	371
31189-123-740		150 TON "DC" BECKET F/ 5" - 6 5/8"	425
70508-1036		2" X 36" 100 TON PERFECTION LINK BAILS	125
70508-1042		2" X 42" 100 TON PERFECTION LINK BAILS	150
70508-1542		2 1/2" X 42" 150 TON PERFECTION LINK BAILS	175
70508-1560		2 1/2" X 60" 150 TON PERFECTION LINK BAILS	180
31189-1	1	LINK RETAINER PIN F/ BECKET	1.00
31189-2	2	LINK RETAINER PLUG F/ BECKET	.25
31189-3	3	ONE PIECE THREADED LINK RETAINER PIN W/ COTTER F/ BECKET	1.20



ELEVATOR BORE CODE INFORMATION

ELEVATOR BORES FOR 18° DRILL PIPE INFORMATION

DRILL PIPE SIZE	UPSET TYPE	BORE CODE	UPSET MAX OD	THRU BORE	TOP BORE	STANDARD CONNECTION
2 3/8"	EU	116	2 9/16"	2 21/32"	4 1/4"	NC 26 (2 3/8 IF)
2 7/8"	EU	118	3 3/16"	3 9/32"	4 3/4"	NC 31 (2 7/8 IF)
3 1/2"	IU	119	3 11/16"	3 25/32"	5 1/2"	NC 31
3 1/2"	EU	120	3 7/8"	3 31/32"	5 1/2"	NC 38 (3 1/2 IF)
4"	IU	121	4 3/16"	4 9/32"	6 1/2"	NC 40 (4 FH)
4"	EU	122	4 1/2"	4 25/32"	6 3/4"	NC 46 (4 IF)
4 1/2"	IU	122	4 11/16"	4 25/32"	6 3/4"	NC 46 (4 IF)
4 1/2"	IEU	122	4 11/16"	4 25/32"	6 3/4"	NC 46 (4 IF)
5"	IEU	123	5 1/8"	5 1/4"	7 1/8"	NC 50 (4 1/2 IF)
5 1/2"	IEU	124	5 11/16"	5 13/16"	7 7/8"	5 1/2 FH
5 7/8"	-	587	6"	6 3/32"	7 7/8"	-
6 5/8"	IEU	740	6 15/16"	7 1/32"	8 7/8"	6 5/8 FH

ELEVATOR BORES FOR UPSET TUBING

TUBING SIZE	TYPE	BORE CODE	TOP BORE	BOTTOM BORE
2 3/8"	UPSET	159	2 23/32"	2 23/32"
2 7/8"	UPSET	161	3 7/32"	3 7/32"
3 1/2"	UPSET	163	3 27/32"	3 27/32"
4"	UPSET	165	4 11/32"	4 11/32"
4 1/2"	UPSET	167	4 27/32"	4 27/32"

ELEVATOR BORES FOR UPSET TUBING

TUBING SIZE	TYPE	BORE CODE	TOP BORE	BOTTOM BORE
2 3/8"	PLAIN	158	2 15/32"	2 15/32"
2 7/8"	PLAIN	160	2 31/32"	2 31/32"
3 1/2"	PLAIN	162	3 19/32"	3 19/32"
4"	PLAIN	164	4 3/32"	4 3/32"
4 1/2"	PLAIN	129	4 19/32"	4 19/32"

ELEVATOR BORES FOR CASING

CASING SIZE	BORE CODE	TOP BORE	BOTTOM BORE
4 3/4"	130	4 27/32"	4 27/32"
5"	131	5 3/32"	5 3/32"
5 1/2"	132	5 5/8"	5 5/8"
5 3/4"	133	5 7/8"	5 7/8"
6"	134	6 1/8"	6 1/8"
6 5/8"	135	6 3/4"	6 3/4"
7"	136	7 1/8"	7 1/8"
7 5/8"	137	7 3/4"	7 3/4"
8 5/8"	139	8 25/32"	8 25/32"
9"	140	9 5/32"	9 5/32"
9 5/8"	141	9 25/32"	9 25/32"

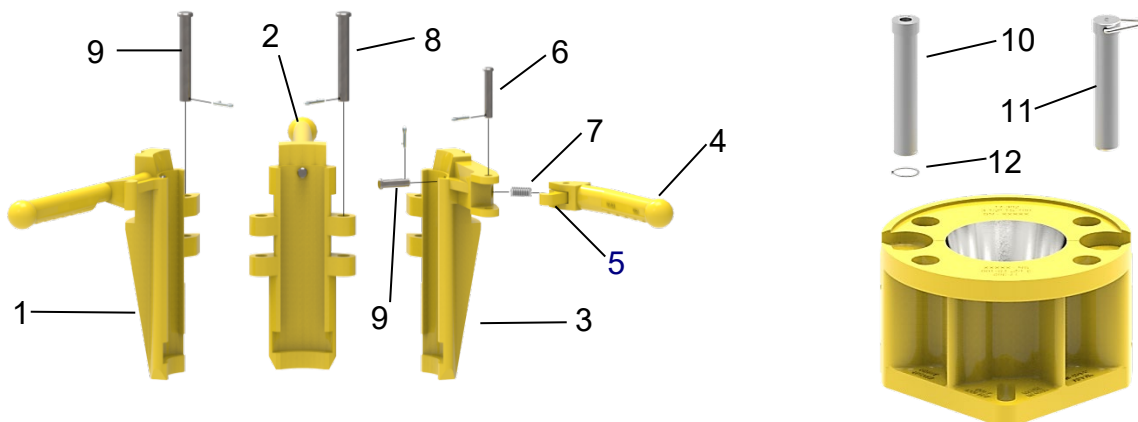
CASING SIZE	BORE CODE	TOP BORE	BOTTOM BORE
10 3/4"	142	10 29/32"	10 29/32"
11 3/4"	143	11 15/16"	11 15/16"
13 3/8"	144	13 9/16"	13 9/16"
14"	690	14 13/64"	14 13/64"
16"	145	16 7/32"	16 7/32"
18"	723	18 17/64"	18 17/64"
18 5/8"	146	18 7/8"	18 7/8"
20"	147	20 1/4"	20 1/4"
21 1/2"	148	21 25/32"	21 25/32"
22"	688	22 9/32"	22 9/32"
24"	630	24 5/16"	24 5/16"

INTENTIONALLY LEFT
BLANK

3-1/2" TS-100 MANUAL TUBING SPIDERS

The Ramey Martin 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 which are available upon request. This spider has an API taper of 4"/ft on the diameter and is rated for 100 Ton capacity.

RMET#	DESCRIPTION	REF	RATING (TONS)	WT. (LBS)
17-301	3 1/2" TS-100 SLIP ASSEMBLY LESS INSERTS	7502-104	100	50
17-302	3 1/2" TS-100 TUBING SPIDER BOWL	7502-100	100	220
17-302-SS	3 1/2" TS-100 TUBING SPIDER BOWL W/ SLOT	7502-101	100	210



REPLACEMENT PARTS FOR 3 1/2" TS-100 SPIDERS

RMET#	ITEM#	DESCRIPTION	REF #	*SPARES	#REQ.	WT. (LBS)
17-101	1	RIGHT HAND SEGMENT	7502-C-217		1	13.00
17-102	2	CENTER SEGMENT	7502-B-217		1	13.00
17-103	3	LEFT HAND SEGMENT	7502-A-217		1	13.00
17-104	4	LATCH HANDLE	7502-A-214		1	3.00
17-105	5	LATCH	7502-A-207		1	.50
17-108	6	LATCH PIN W/ COTTER	7502-B-207	2	1	.12
17-109	7	LATCH SPRING	7502-C-207	2	1	.12
17-110	8	HINGE PIN F/ SLIP W/ COTTER	7502-A-216		2	.25
17-111	9	INSERT KEEPER W/ COTTER	7502-B-216	6	3	.12
17-112	10	HINGE PIN F/ BOWL	7502-A-202		1	4.50
17-113	11	REMOVABLE LOCK PIN W/ BAIL & CHAIN	7502-D-203		1	5.00
17-114	12	HINGE PIN RETAINER	7502-103-X	1	1	.08

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

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

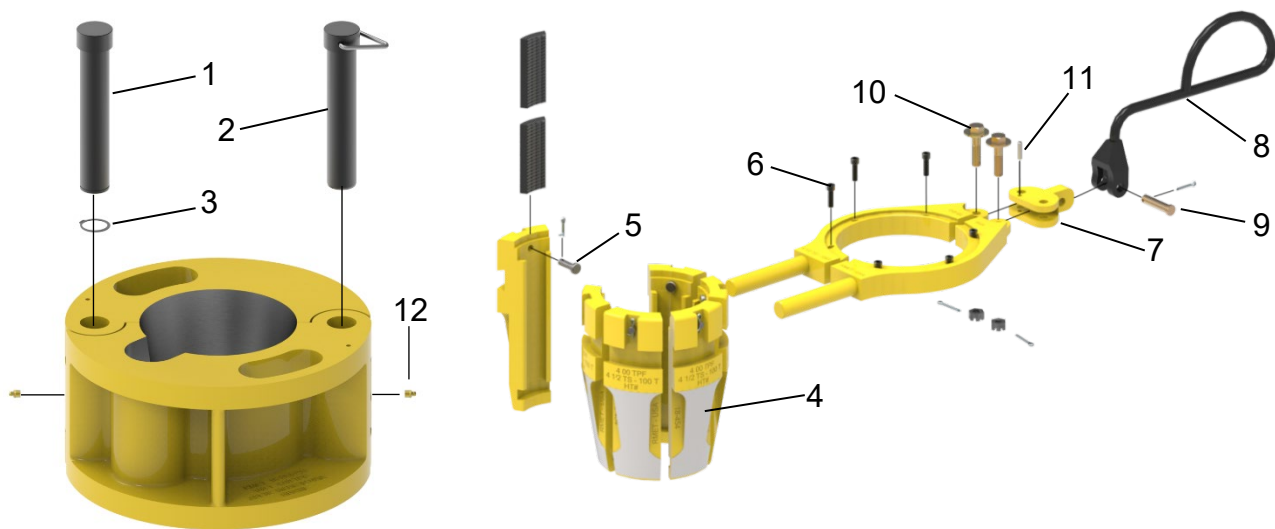
RMET#	DESCRIPTION	REF #	#REQ.	WT. (LBS)
21-101	3-1/2" X 3-1/2"	7502-A-5069	9	.90
21-110	3-1/2" X 3-3/8"	N/A	9	1.25
21-102	3-1/2" X 3-1/8"	N/A	9	1.30
21-116	3-1/2" X 3"	N/A	9	1.40
21-103	3-1/2" X 2-7/8"	7502-A-5070	9	1.50
21-104	3-1/2" X 2-3/8"	7502-A-5071	9	1.85
21-105	3-1/2" X 2-1/16"	7502-A-5072	9	2.05
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	2.25
21-108	3-1/2" X 1"	7502-A-5076	9	2.50
21-109	3-1/2" X 3/4"	7502-A-5077	9	2.55

COIL TUBING INSERTS IN STOCK & AVAILABLE UPON REQUEST, SEE PAGE 97

4-1/2" & 5-1/2" TS-100 MANUAL SPIDERS

The Ramey Martin 4-1/2" spider and slip uses the 4-1/2" "DU" Full Face insert and has a range of 1.315" thru 4-1/2" O.D. by changing the 12 inserts. The 5-1/2" spider and slip uses the 5-1/2" "DU" Full Face slip insert and has a range of 2-3/8" 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, heat treated for strength and wear resistance. Both 4 1/2" and 5 1/2" spiders have an API taper of 4"/ft on the diameter and rated for 100 Ton capacity.

RMET#	DESCRIPTION	REF	RATING (TONS)	WT. (LBS)
18-451	4 1/2" TS-100 TUBING SPIDER BOWL		100	215
18-452	4 1/2" TS-100 SLIPS ASSEMBLY LESS INSERTS		100	60
18-453	4 1/2" TS-100 SLIP HANDLES ONLY (SET) <i>includes items 6-11</i>		-	20
18-551	5 1/2" TS-100 TUBING SPIDER BOWL		100	239
18-552	5 1/2" TS-100 SLIPS ASSEMBLY LESS INSERTS		100	66
18-553	5 1/2" TS-100 SLIP HANDLES ONLY (SET) <i>includes items 6-11</i>		-	19



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

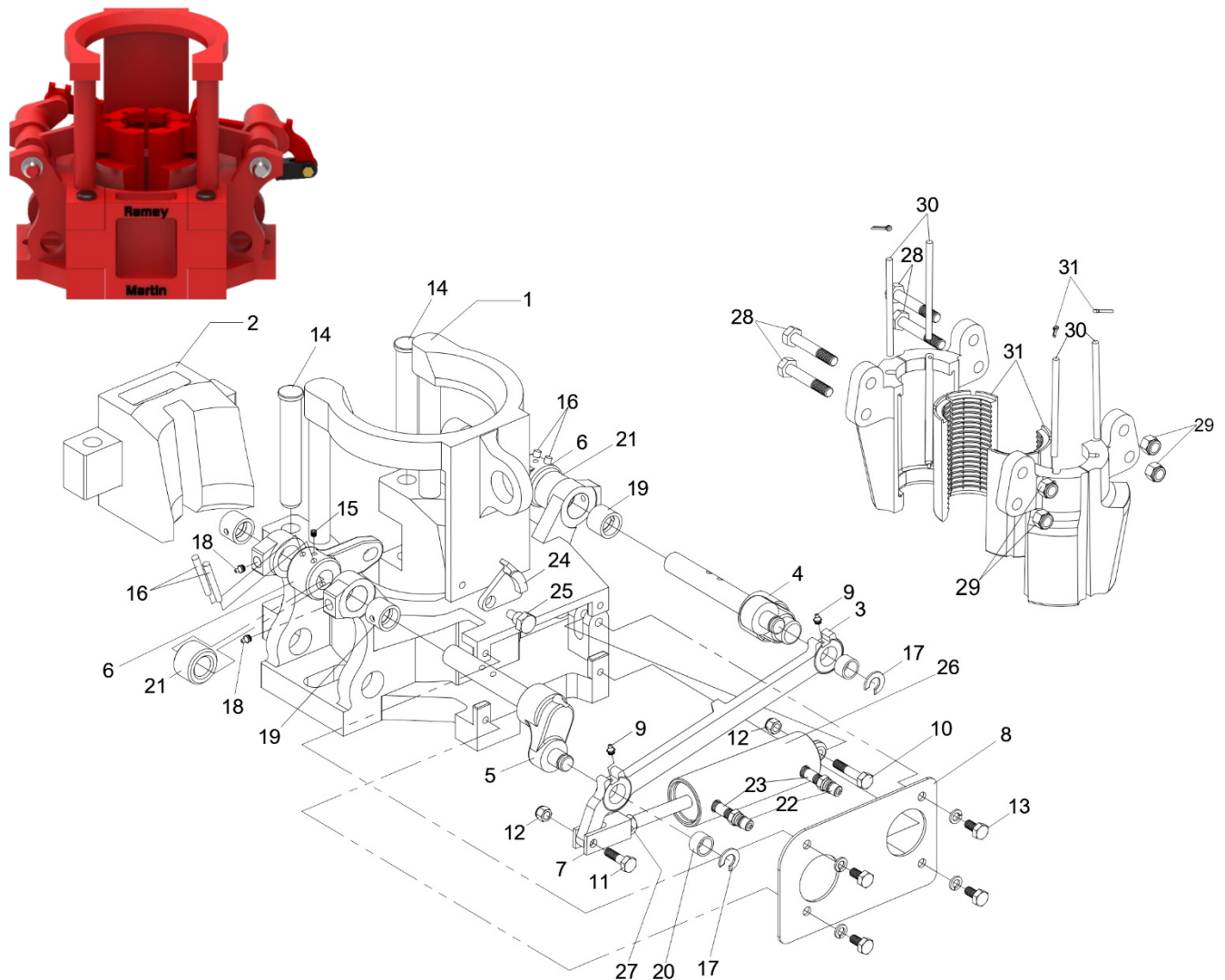
RMET#	ITEM#	DESCRIPTION	*SPARES	#REQ	WT. (LBS)
17-112	1	3 1/2" & 4-1/2" TS-100 HINGE PIN		1	4.25
17-113	2	3 1/2" & 4-1/2" TS-100 REMOVABLE PIN		1	4.25
17-114	3	3 1/2" & 4 1/2" HINGE PIN RETAINER		1	.01
18-454	4	4-1/2" SLIP SEGMENTS EACH		6	6.70
18-455	5	4-1/2" & 5-1/2" INSERT RETAINER PIN	12	6	.05
18-456	6	4-1/2" & 5-1/2" SEGMENT RETAINER PIN	6	6	.03
18-453-B	7	4 1/2" & 5 1/2" SLIP HANDLE BUSHING	1	1	1.40
08-102	8	HANDLE	1	1	2.75
08-103	9	HANDLE PIN	1	1	.12
18-453-BP	10	HANDLE BUSHING PIN W/ NUT, WASHER, & COTTER	2	2	.22
ZD-025100	11	HANDLE BUSHING PIVOT PIN	1	1	.01
18-557	1	5-1/2" TS-100 HINGE PIN		1	6.00
18-558	2	5-1/2" TS-100 REMOVABLE PIN		1	5.75
18-559	3	5-1/2" HINGE PIN RETAINER		1	.01
18-554	4	5 1/2" SLIP SEGMENTS EACH		6	8.90
ZF-GZN-02-3	12	GREASE FITTING (5 1/2" BOWL ONLY)		2	.01

* RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION
 INSERTS FOR 4-1/2" - 5-1/2" SPIDER ON [PAGE 16](#)

MODEL "CHD" PNEUMATIC TUBING SPIDERS

RMET#	DESCRIPTION	#REQ	WT. (LBS)
34-551	SPIDER ASSEMBLY LESS SLIP, INSERTS, HOSES, FOOT CONTROL, AND AIR FILTER	1	388
34-127	FILTER, PRESSURE REGULATOR, AND LUBRICATOR COMPLETE W/ PANEL	1	
34-129	FOOT OPERATED AIR CONTROL VALVE ASSEMBLY W/ BOX	1	
26-540-10	10' AIR HOSE	1	
26-540-15	15' AIR HOSE	1	
26-540-25	25' AIR HOSE	2	

SPECIFICATIONS	
PROPERTY	DESCRIPTION
PIPE SIZE RANGE	1.315" – 4 1/2" (33 MM – 140 MM)
MATERIAL	HEAT TREATED ALLOY STEEL
APPROXIMATE WEIGHT (LESS SLIPS)	388
OPERATING PRESSURE	90 – 120 PSI (620 – 827 kPa)
DIMENSIONS	GATE OPENING = 5 3/4" (146 MM)
	BOWL OPENING = 6 1/2" (165 MM)
	BASE = 18 1/4" X 19" (463 MM X 482 MM)
	HEIGHT = 18" (457 MM)



AIR SPIDER PARTS LIST

RMET#	ITEM#	DESCRIPTION	#REQ	*SPARES	WT. (LBS)
34-601	1	BODY ONLY	1		278
34-602	2	GATE	1		45
34-603	3	LINK	1		5.50
34-604	4	SHAFT (LH CRANK)	1		8
34-605	5	SHAFT (RH CRANK)	1		8
34-606	6	LIFT ARM	1		3
34-607	7	YOKE	1	1	.75
34-608	8	SAFETY GUARD	1		5
34-609	9	LINK GREASE ZERT	2	2	-
34-610	10	CYLINDER BOLT	1	1	.18
34-611	11	CYLINDER YOKE BOLT	1	1	.14
34-612	12	CYLINDER NUT	2	2	.05
34-613	13	SAFETY GUARD BOLT W/ L.W.	4	4	.15
34-614	14	DOOR PIN W/ CHAIN	2		2.25
34-615	15	LIFTING ARM SET SCREW	2	2	-
34-616	16	LIFT ARM TAPERED PIN	4	4	.08
34-617	17	RETAINING CLIP	2	2	-
34-618	18	CRANK SHAFT GREASE ZERT	4	4	-
34-619	19	CRANK BUSHING	4	4	.30
34-620	20	LINK BUSHING	2	2	.10
34-621	21	SPACER	2		2.8
ZF-PQC-H3-63	22	PNEUMATIC MALE Q.C.	2	2	
ZF-NP-L6-1.5	23	3/8" X 1 1/2" NIPPLE	2	2	
34-629	24	SAFETY LATCH	1	1	.70
34-630	25	SAFETY BOLT	1	1	.20
34-631	26	AIR CYLINDER ASSEMBLY	1		14
34-633	27	YOKE JAM NUT	1	1	.08
34-660		1 YR SPARE PARTS KIT L/ INSERTS	1	1	

AIR SPIDER SLIP ASSEMBLIES

RMET#	DESCRIPTION	#REQ	WT. (LBS)
34-122	3 1/2" 125 TON SLIP ASSEMBLY L/ INSERTS (1.315" – 3 1/2")	1	-
34-123	4 1/2" 125 TON SLIP ASSEMBLY L/ INSERTS (3 1/2" – 4 1/2")	1	-

AIR SPIDER SLIP REPLACEMENT PARTS

RMET#	ITEM#	DESCRIPTION	#REQ	WT. (LBS)
34-150	28	SLIP BOLT	4	.4
34-151	29	SLIP BOLT NUT	4	.1
34-152	30	INSERT RETAINER PIN	4	.20
34-153	31	INSERT RETAINER PIN COTTER	4	-

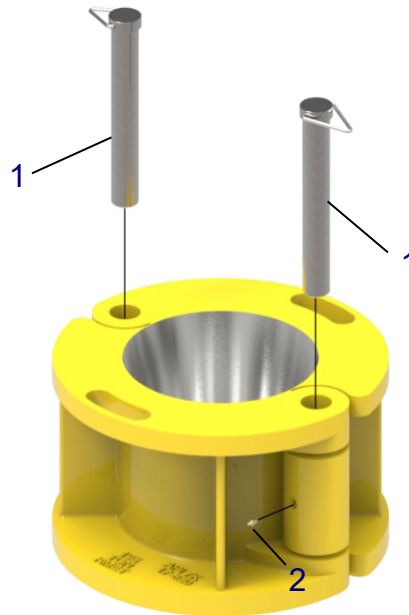
AIR SPIDER SLIP INSERTS

RMET#	ITEM#	DESCRIPTION	#REQ	WT. (LBS)
34-205	32	3 1/2" X 3 1/2" INSERT (SET OF 4)	1	9.00
34-206	32	3 1/2" X 2 7/8" INSERT (SET OF 4)	1	14.00
34-207	32	3 1/2" X 2 3/8" INSERT (SET OF 4)	1	17.00
34-228	32	3 1/2" X 2 1/16" INSERT (SET OF 4)	1	18.50
34-229	32	3 1/2" X 1 1/2" (1.900) INSERT (SET OF 4)	1	19.00
34-230	32	3 1/2" X 1 1/4" (1.660) INSERT (SET OF 4)	1	19.50
34-231	32	3 1/2" X 1" (1.315) INSERT (SET OF 4)	1	20.00
34-209	32	4 1/2" X 4 1/2" INSERT (SET OF 4)	1	10.00
34-210	32	4 1/2" X 4" INSERT (SET OF 4)	1	12.00
24-211	32	4 1/2" X 3 1/2" INSERT (SET OF 4)	1	14.00

*AVAILABLE STOCK IN FINE TOOTH AND GRITFACE® FOR CHROME. OTHER SIZES AVAILABLE UPON REQUEST.

8-5/8" 125 TON API BOWLS

The Ramey Martin 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 1.315" thru 10" Flush Joint and is rated for 125 tons.



RMET#	ITEM#	DESCRIPTION	#REQ.	WT. (LBS)
17-850		8-5/8" 125 TON API BOWL	1	500
17-851-125	1	REMOVABLE HINGE PIN W/ CHAIN	2	10
ZF-GZN-02-3	2	GREASE FITTING	2	.01

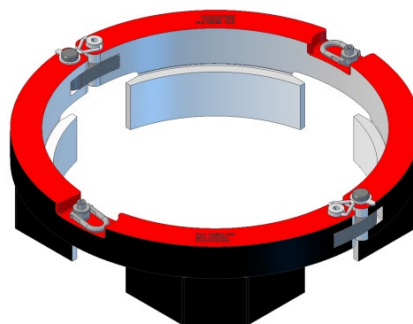
FALSE ROTARY

RMET#	DESCRIPTION	WT. (LBS)
RM51-500	FALSE ROTARY TABLE FOR 18 5/8", 20", 24", AND 30" CASING	2300

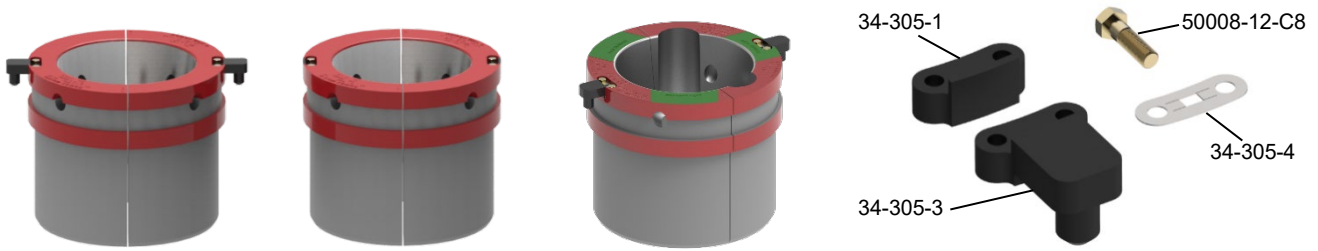


ADAPTER RING

RMET#	DESCRIPTION	WT. (LBS)
RM52-100	37 1/2" OILWELL TO 37 1/2" NATIONAL ROTARY TABLE ADAPTER RING F/ XP-1000 M.B.	1118



INSERT BOWLS



RMET#	DESCRIPTION	RATING (TONS)	REF.#	WT. (LBS)
34-101	INSERT BOWL #1, 13 3/8" - 11 3/4" CASING (23" - 27 1/2" M.B.)	N/A	1903	315
34-301	INSERT BOWL #1, 13 3/8" - 11 3/4" CASING (37 1/2" - 49 1/2" M.B.)	N/A	6610	325
34-302 *	INSERT BOWL #2, 10 3/4" - 9 5/8" CASING (23" - 49 1/2" M.B.)	N/A	6609	705
34-303 *	INSERT BOWL #3, 8 5/8" & SMALLER CASING (23" - 49 1/2" M.B.)	750	6608	875
34-303-01 *	INSERT BOWL #3, 8 5/8" & SMALLER CASING W/ CABLE SLOT (23" - 49 1/2" M.B.)	750	-	805
34-305-1	#2 & #3 INSERT BOWL INSERT	N/A	-	1.00
34-305-3	#2 & #3 INSERT BOWL LOCKING EAR	N/A	-	2.60
34-305-4	INSERT AND LOCKING EAR RETAINER PLATE	N/A	-	.03
50008-12-C8	INSERT AND LOCKING EAR BOLT	N/A	-	.11

* INCLUDES INSERTS 34-305-1 (23" - 27" MB) AND 34-305-3 (37 1/2" - 49 1/2" MB) WITH LOCKING TABS (34-305-4) AND BOLTS

LIFTING SLINGS



(Actual length of cable longer than shown)
A

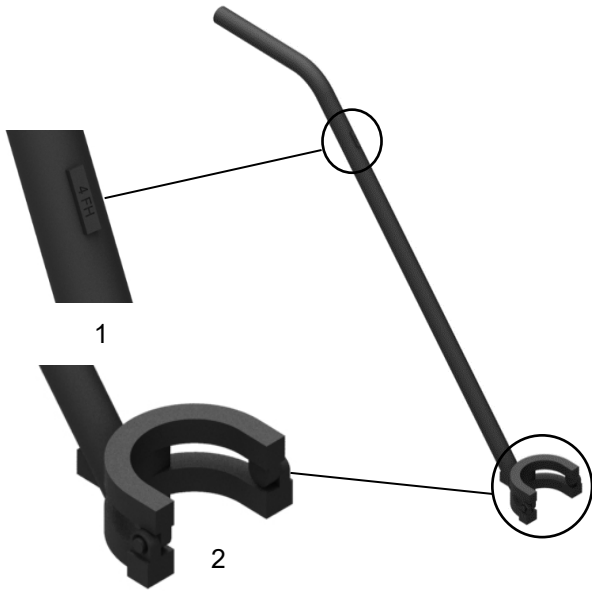


(Actual length of cable longer than shown)
B

RMET#	ITEM#	DESCRIPTION	REF.#	WT. (LBS)
34-315	A	2 HOOK CHAIN LIFTING SLING (4,000 LBS CAPACITY) - NP	1021	40
34-315-CAB	A	2 HOOK CABLE LIFTING SLING (4,000 LBS CAPACITY)	1021-CAB	35
34-316	B	4 HOOK CHAIN LIFTING SLING (12,000 LBS CAPACITY) - NP	6699	150
34-316-CAB	B	4 HOOK CABLE LIFTING SLING (12,000 LBS CAPACITY)	6699-CAB	140

NP = NOT PICTURED

PIPE JACKS



RMET#	DESCRIPTION	WT. (LBS)
09-501	PIPE JACK FOR XT-39 CONNECTION	19.75
09-502	PIPE JACK FOR 4" FH CONNECTION	19.85
09-503	PIPE JACK FOR 4 1/2" IF CONNECTION	20.65
09-504	PIPE JACK FOR 3 1/2" IF CONNECTION	18.50
09-505	PIPE JACK FOR VX-39 CONNECTION	19.00
09-506	PIPE JACK FOR HT-38 CONNECTION	19.50
09-507	PIPE JACK FOR XTM-39 CONNECTION	20.00
09-508	PIPE JACK FOR XT-43 CONNECTION	19.70
09-509	PIPE JACK FOR 4 1/2" XH CONNECTION	20.30
09-510	PIPE JACK FOR 5 1/2" FH CONNECTION	20.65
09-511	PIPE JACK FOR DS-38 CONNECTION	19.00
09-512	PIPE JACK FOR DS-42 CONNECTION	19.50
09-513	PIPE JACK FOR HT-50 CONNECTION	20.50
09-514	PIPE JACK FOR XTM-40 CONNECTION	21.20
09-515	PIPE JACK FOR CET-40 CONNECTION	19.00
09-516	PIPE JACK FOR DS-40 CONNECTION	19.40
09-517	PIPE JACK FOR PT-43 CONNECTION	19.50
09-518	PIPE JACK FOR XT-57 CONNECTION	12.30

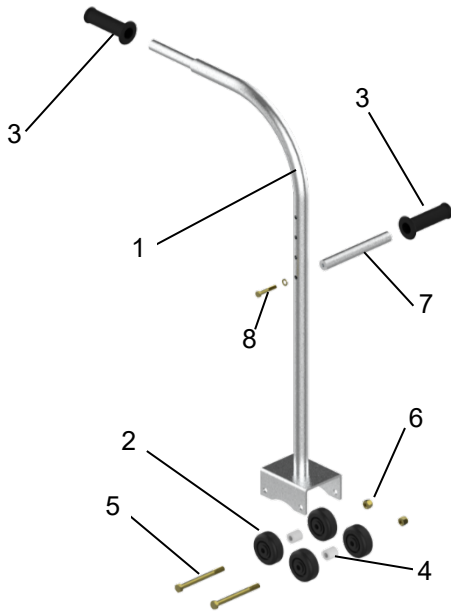
OTHER SIZES AVAILABLE NOT LISTED AND UPON REQUEST

1) SIZE SPECIFICATION STAMPED ON EACH PRODUCT

2) HEAVY DUTY HINGE DESIGN FOR STRONGER SUPPORT

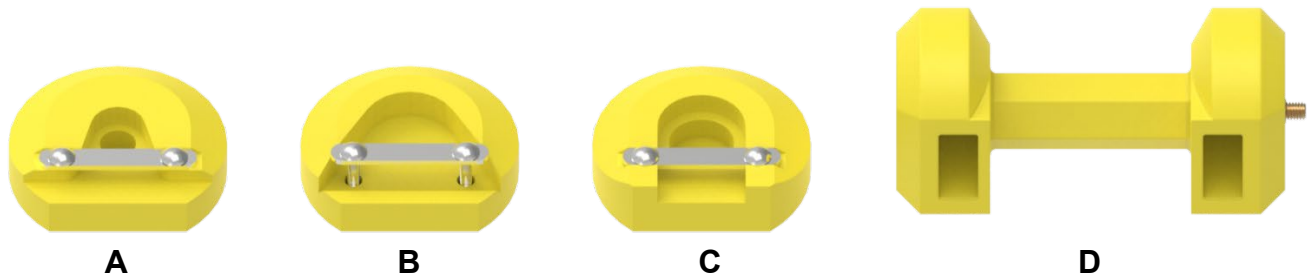
PIPE ROLLERS

RMET#	DESCRIPTION	WT. (LBS)
26-950	RMET PIPE ROLLER	6.70



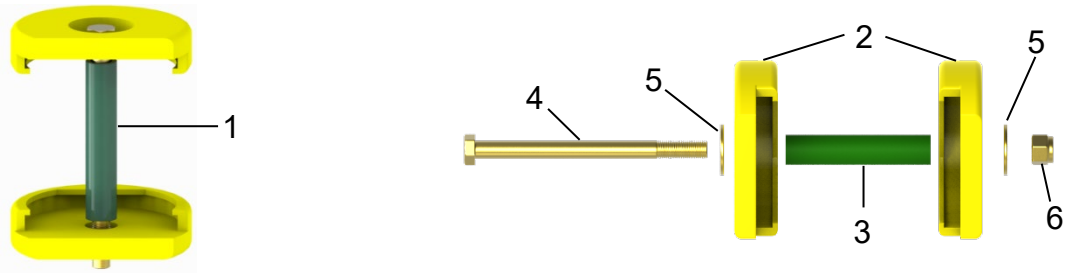
RMET#	ITEM#	DESCRIPTION	#REQ	WT. (LBS)
26-950-1	1	RMET PIPE ROLLER CARRIAGE	1	4.2
26-950-2	2	RMET PIPE ROLLER WHEEL	4	.23
26-950-3	3	RMET PIPE ROLLER HAND GRIP	2	.11
26-950-4	4	RMET PIPE ROLLER SPACER	2	.02
26-950-5	5	RMET PIPE ROLLER WHEEL PIN	2	.31
26-950-6	6	RMET PIPE ROLLER WHEEL PIN NUT	2	.04
26-950-7	7	RMET PIPE ROLLER HANDLE	1	.52
26-950-8	8	RMET PIPE ROLLER HANDLE BOLT W/ LW	1	.08

TONG SAFETY HANDLES



RMET#	ITEM#	DESCRIPTION	WT. (LBS)
20000-SH-1	A	2 PC TONG SAFETY HANDLE KIT F/ TONGS MODIFIED W/ 3/8" HOLES	2.85
20000-SH-2	A	2 PC TONG SAFETY HANDLE KIT F/ TONGS W/ STEEL HANDLES	2.50
20000-SH-3	B	2 PC TONG SAFETY HANDLE F/ TYPE "C" LONG JAW	2.30
20000-SH-4	C	2 PC TONG SAFETY HANDLE F/ TONG MODIFIED W/ 1 3/4" WIDE HANDLES W/ 3/4" HOLES	2.50
20000-DB	D	DUMBBELL TONG SAFETY HANDLE	2.00

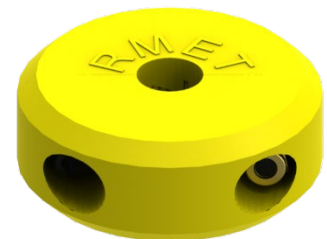
SAFETY CAP ASSEMBLY FOR VARCO® TONGS



RMET#	ITEM#	DESCRIPTION	QTY	WT. (LBS)
250369	1	SAFETY CAP ASSEMBLY F/ VARCO TONGS	N/A	2.66
250369-1	2	SAFETY CAP (SET OF 2)	1	1.61
250369-2	3	GRIP HOSE FOR SAFETY CAP ASSEMBLY	1	.15
250369-3	4	BOLT F/ SAFETY CAP ASSEMBLY	1	.65
250369-4	5	WASHER F/ SAFETY CAP ASSEMBLY	2	.08
250369-5	6	LOCKNUT F/ SAFETY CAP ASSEMBLY	1	.09

SAFETY BUMPERS

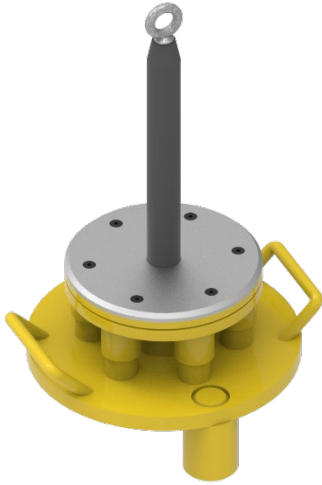
The Ramey Martin Safety Bumpers are used on the ST-80, Mud Buckets, and other miscellaneous rig equipment where hand protection is required. The two-piece design allows for easy installation with the size molded into each rubber for easy recognition.



RMET#	DESCRIPTION	WT./SET(LBS)
20000-SH-7-4	1/2" SAFETY BUMPER (SET)	1.90
20000-SH-7-6	3/4" SAFETY BUMPER (SET)	1.90
20000-SH-7-7	7/8" SAFETY BUMPER (SET)	1.90
20000-SH-7-8	1" SAFETY BUMPER (SET)	1.90

SAFETY MAKE-UP STANDS

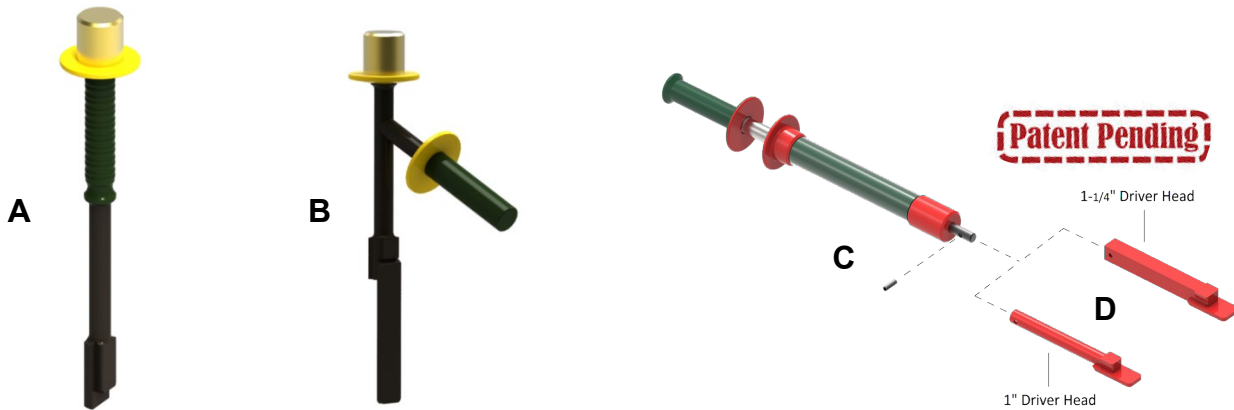
The Ramey Martin Safety Make-Up Stand is used to support stabilizers, subs, and other drilling tools during bottom hole make-up. It is located on the side of the rotary table.



RMET#	DESCRIPTION	PIN DIA.	RATING	HEIGHT	WT. (LBS)
26-900	SAFETY MAKE-UP STAND	2"	10,000 LBS	24"	140

SEE OPERATION MANUAL FOR PARTS BREAKDOWN

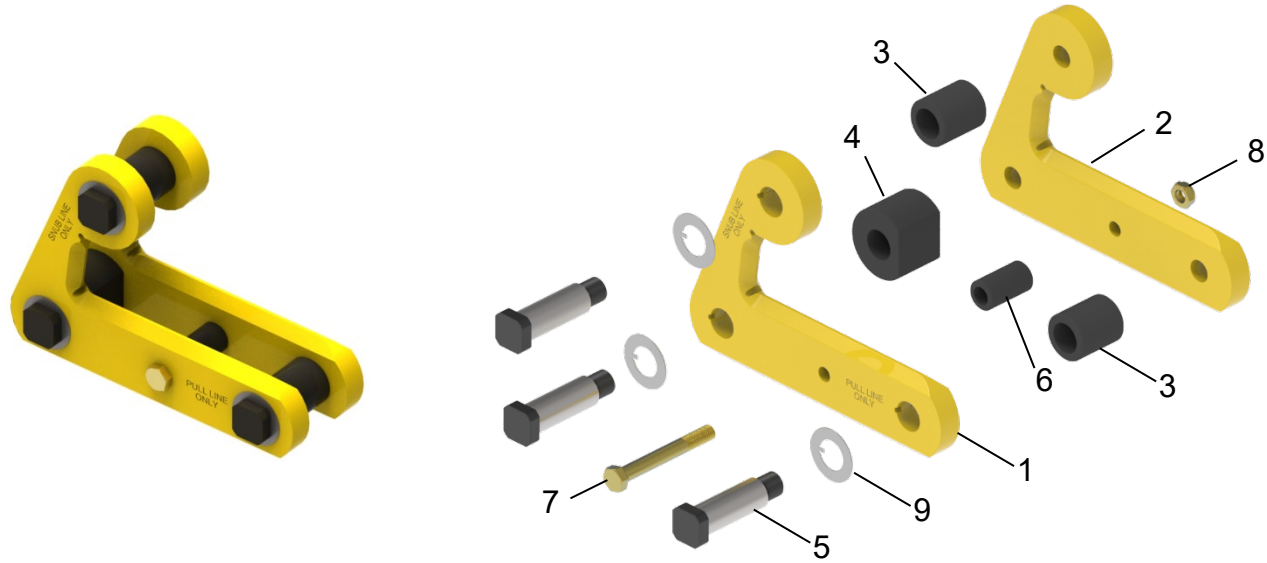
TONG DIE DRIVERS



RMET#	ITEM	DESCRIPTION	WT. (LBS)
26-300	A	1 1/4" STRAIGHT TONG DIE DRIVER	7.20
26-310	A	1" STRAIGHT TONG DIE DRIVER	7.20
26-350	B	1 1/4" ANGLED TONG DIE DRIVER	9.20
26-360	B	1" ANGLED TONG DIE DRIVER	9.20
26-425	C	HAMMERLESS TONG DIE DRIVER COMPLETE W/ 1 1/4" DRIVER HEAD	12.25
26-426	C	HAMMERLESS TONG DIE DRIVER COMPLETE W/ 1" DRIVER HEAD	11.30
26-400	D	1 1/4" DRIVER HEAD ONLY F/ HAMMERLESS TONG DIE DRIVER	2.41
26-401	D	1" DRIVER HEAD ONLY F/ HAMMERLESS TONG DIE DRIVER	2.17

TONG LINE BLOCKS

RMET#	DESCRIPTION	WT. (LBS)
24529-TLB	TONG LINE BLOCK	42.00



REPLACEMENT PARTS FOR THE TONG LINE BLOCK

RMET#	ITEM	DESCRIPTION	QTY	WT. (LBS)
24529-TLB-1	1	TOP PLATE F/ TONG LINE BLOCK	1	15.10
24529-TLB-2	2	BOTTOM PLATE F/ TONG LINK BLOCK	1	15.10
24529-TLB-3	3	LINE BUSHING F/ TONG LINE BLOCK	2	1.10
24529-TLB-4	4	LEVER BUSHING F/ TONG LINE BLOCK	1	3.18
24529-TLB-5	5	PIN F/ TONG LINE BLOCK	3	1.62
24529-TLB-6	6	LOCATING BUSHING F/ TONG LINE BLOCK	1	.50
24529-TLB-7	7	BOLT F/ TONG LINE BLOCK	1	.48
24529-TLB-8	8	NUT F/ TONG LINE BLOCK	1	.05
24529-TLB-9	9	WASHER F/ TONG LINE BLOCK	3	.03

DRILL FLOOR STABILIZERS



A



B

RMET#	ITEM	DESCRIPTION	WT. (LBS)
DFS-001	A	DRILLING FLOOR STABILIZER 8"	30
DFS-002	A	DRILLING FLOOR STABILIZER 9"	24
DFS-003	A	DRILLING FLOOR STABILIZER 7"	34
DFS-XP	B	DRILLING FLOOR STABILIZER F/ XP-1000 BOWLS	40

MISCELLANEOUS DIES AND INSERTS

COIL TUBING INSERTS

RMET#	DESCRIPTION	WT. (LBS)
29259-2	2 7/8" X 1.00" MYT/YT COIL TUBING INSERT	1.75
29259-3	2 7/8" X 1.25" MYT/YT COIL TUBING INSERT	1.70
29259-4	2 7/8" X 1.50" MYT/YT COIL TUBING INSERT	1.50
29259-5	2 7/8" X 1.75" MYT/YT COIL TUBING INSERT	1.38
29259-6	2 7/8" X 2.00" MYT/YT COIL TUBING INSERT	1.25
29259-7	2 7/8" X 2.625" MYT/YT COIL TUBING INSERT	.95
21-121	3 1/2" X 1.00" TS-100 COIL TUBING INSERT	2.60
21-120	3 1/2" X 1.25" TS-100 COIL TUBING INSERT	2.50
21-119	3 1/2" X 1.50" TS-100 COIL TUBING INSERT	2.40
21-117	3 1/2" X 1.75" TS-100 COIL TUBING INSERT	2.25
21-111	3 1/2" X 2.00" TS-100 COIL TUBING INSERT	2.10

5 1/2" TYPE "B" ROTARY SLIP INSERTS

RMET#	DESCRIPTION	WT. (LBS)
50-11	5 1/2" X 4 1/2" TYPE "B" SLIP INSERT	1.05
50-12	5 1/2" X 5" TYPE "B" SLIP INSERT	1.00
50-10	5 1/2" X 5 1/2" TYPE "B" SLIP INSERT	

TYPE "XL" ROTARY SLIP INSERTS

RMET#	DESCRIPTION	WT. (LBS)
51-30	5" X 5" TYPE "XL" SLIP INSERT	1.24
51-31	5" X 4 1/2" TYPE "XL" SLIP INSERT	1.67
51-32	5" X 4" TYPE "XL" SLIP INSERT	2.10
51-33	5" X 3 1/2" TYPE "XL" SLIP INSERT	2.60
51-20	4 1/2" X 4 1/2" TYPE "XL" SLIP INSERT	1.31
51-21	4 1/2" X 4" TYPE "XL" SLIP INSERT	1.50
51-22	4 1/2" X 3 1/2" TYPE "XL" SLIP INSERT	1.68

IRON ROUGHNECK TONG DIES

RMET#	DESCRIPTION	WT. (LBS)
ST-80LD	LOWER DIE ST-80	2.17
ST-80UD	UPPER DIE ST-80	3.05
AC01-01-03	MODEL 3080 IRON ROUGHNECK DIE	2.25

POWER TONG DIES

RMET#	DESCRIPTION	WT. (LBS)
27494-1	2 3/8" X 2 3/8" POWER TONG DIE	1.05
27498-1	2 7/8" X 2 7/8" POWER TONG DIE	1.00
75-2327	2 7/8" X 2 3/8" POWER TONG REDUCER DIE	1.62
100-118	5 1/2" CONTOUR DIE F/ WEATHERFORD/LAMB POWER TONG	-
100-120	7" CONTOUR DIE F/ WEATHERFORD/LAMB POWER TONG	.67
100-121	9 5/8" CONTOUR DIE F/ WEATHERFORD/LAMB POWER TONG	.68
100-122	13 3/8" FLAT DIE F/ WEATHERFORD/LAMB POWER TONG	.30

DRILL PIPE TONG DIES

RMET#	DESCRIPTION	WT. (LBS)
6472	3/8" X 5/8" X 1 15/16" TONG DIE	.10
061624	3/8" X 1" X 2 1/2" TONG DIE	.21
6473	3/8" X 1" X 3 7/8" TONG DIE	.32
6473-BD	3/8" X 1" X 3 7/8" BLUE DIAMOND TONG DIE	.32
4316	3/8" X 1" X 4 1/4" TONG DIE	.35
4516	3/8" X 1" X 5 3/4" TONG DIE	.47
1614	3/8" X 1 1/4" X 3 7/8" TONG DIE	.39
062050	3/8" X 1 1/4" X 5" TONG DIE	.50
1612	7/16" X 1 1/4" X 3 7/8" TONG DIE	.46
1612-BD	7/16" X 1 1/4" X 3 7/8" BLUE DIAMOND TONG DIE	.46
082034	1/2" X 1 1/4" X 3 1/2" TONG DIE	.50
24768-2	1/2" X 1 1/4" X 3 7/8" TONG DIE	.54
24768-6	1/2" X 1 1/4" X 3 7/8" BLUE DIAMOND TONG DIE	.54
16401-2	1/2" x 1 1/4" x 5" TONG DIE	.69
16401-6	1/2" X 1 1/4" X 5" BLUE DIAMOND TONG DIE	.69
16402-2	1/2" X 1 1/4" X 5 7/8" TONG DIE	.82
16402-6	1/2" X 1 1/4" X 5 7/8" BLUE DIAMOND TONG DIE	.82
092037	9/16" X 1 1/4" X 3 7/8" TONG DIE	.61
092050	9/16" X 1 1/4" X 5" TONG DIE	.78
092057	9/16" X 1 1/4" X 5 7/8" TONG DIE	.92
102037	5/8" X 1 1/4" X 3 7/8" TONG DIE	.68
102050	5/8" X 1 1/4" X 5" TONG DIE	.87
102057	5/8" X 1 1/4" X 5 7/8" TONG DIE	1.02
112037	11/16" X 1 1/4" X 3 7/8" TONG DIE	.74
112050	11/16" X 1 1/4" X 5" TONG DIE	.96
112057	11/16" X 1 1/4" X 5 7/8" TONG DIE	1.13
122037	3/4" X 1 1/4" X 3 7/8" TONG DIE	.81
122050	3/4" X 1 1/4" X 5" TONG DIE	1.05
122057	3/4" X 1 1/4" X 5 7/8" TONG DIE	1.23
132037	13/16" X 1 1/4" X 3 7/8" TONG DIE	.88
132050	13/16" X 1 1/4" X 5" TONG DIE	1.14
132057	13/16" X 1 1/4" X 5 7/8" TONG DIE	1.33
142037	7/8" X 1 1/4" X 3 7/8" TONG DIE	.95
142050	7/8" X 1 1/4" X 5" TONG DIE	1.23
142057	7/8" X 1 1/4" X 5 7/8" TONG DIE	1.45
162037	1" X 1 1/4" X 3 7/8" TONG DIE	1.25
162050	1" X 1 1/4" X 5" TONG DIE	1.61
162057	1" X 1 1/4" X 5 7/8" TONG DIE	1.80

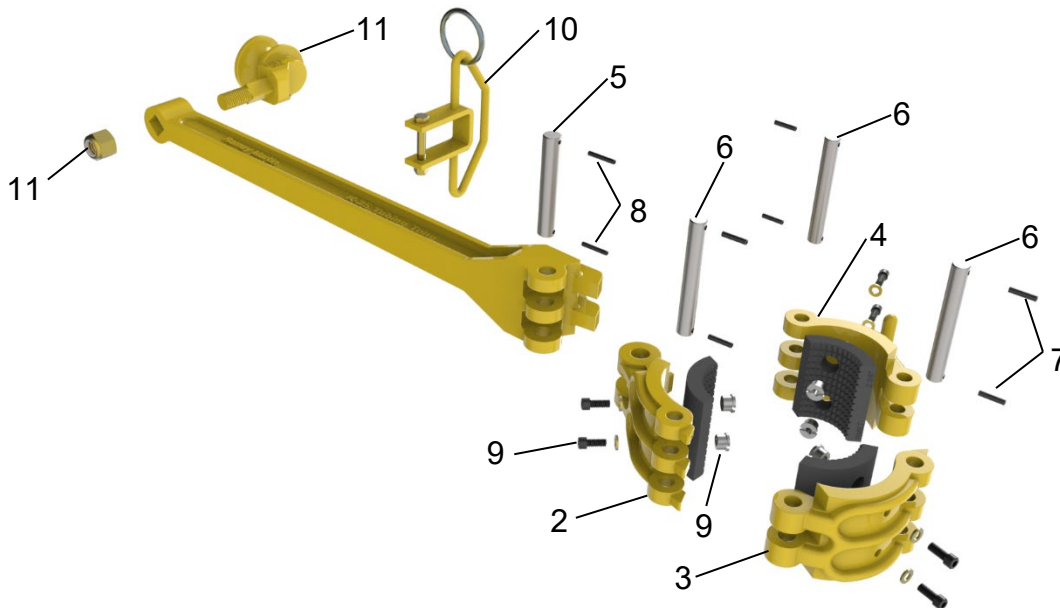
OTHER SIZES AVAILABLE UPON REQUEST

K-25 LIGHT WEIGHT TUBING TONGS

The Ramey Martin K-25 Tubing Tong has a wide range from 1.050 thru 2 7/8" and is light-weight with a wrap-around design providing approximately 300 deg. die contact. This prevents crushing or cutting of thin wall tubing. The tong can be used by hand or with a rope block and cat line, when making-up or breaking-out tubing. They are made of high alloy steel, heat-treated for strength and wear, and then tested. The Ramey Martin K-25 light-weight tubing tong has a 2,000 ft-lbs. maximum torque rating. All tongs are pull-tested and complete documentation is available with each tong.



RMET#	DESCRIPTION	WT. (LBS)
05-101	K-25 TONG COMPLETE L/ DIES, ROPE GUIDE & HANGER	17
05-102	K-25 TONG COMPLETE L/ DIES W/ ROPE GUIDE & HANGER	21



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

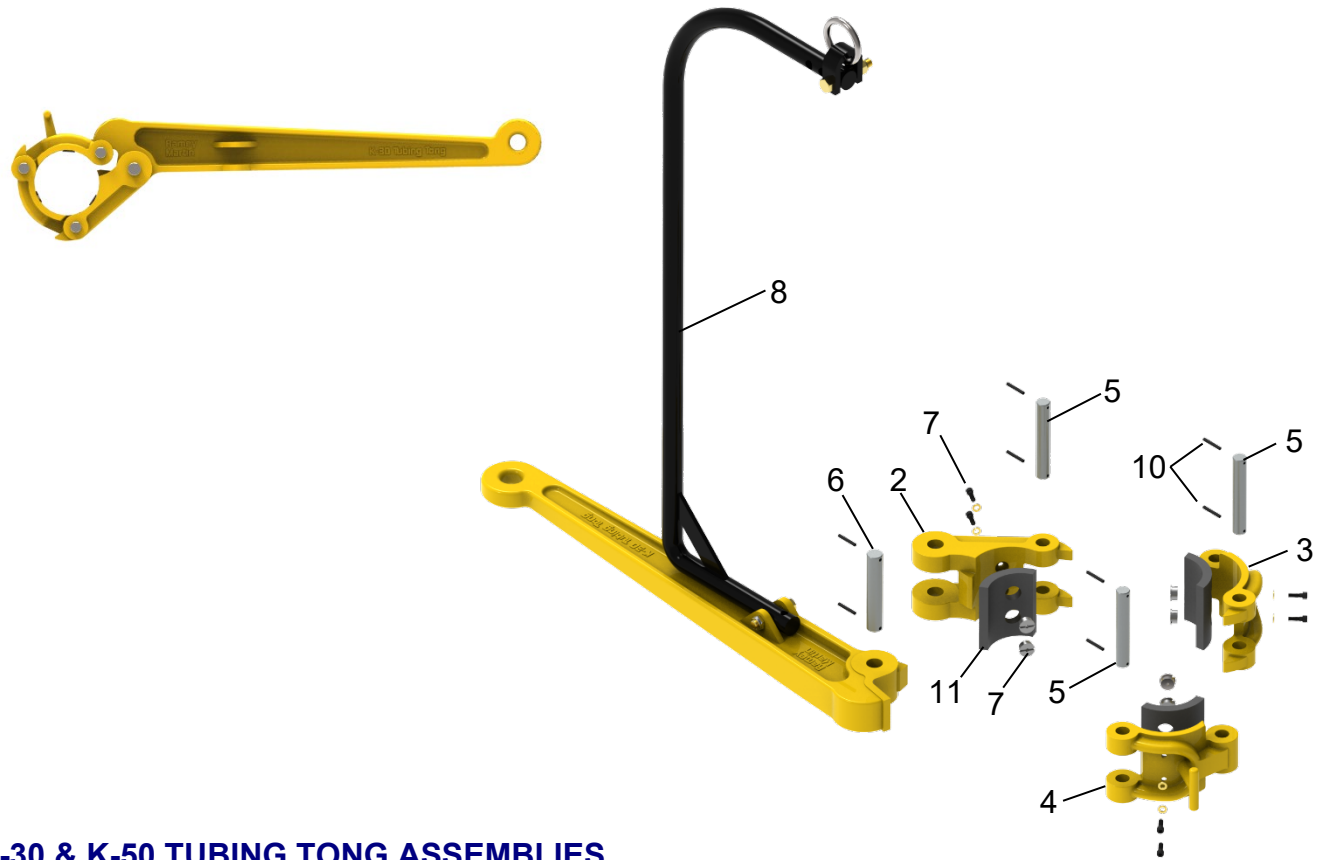
RMET#	ITEM#	DESCRIPTION	#REQ.	*SPARES	WT. (LBS)
05-114	1	TONG LEVER F/ K25 TONG	1		9.75
05-106	2	K-25 LEVER JAW	1		2.12
05-108	3	K-25 CENTER JAW	1		2.12
05-107	4	K-25 LATCH JAW	1		2.75
05-104	5	TONG LEVER PIN	1	1	.37
05-103	6	TONG HEAD PIN	3	3	.12
05-117	7	HEAD PIN RETAINER PIN	6	6	.03
05-117-1	8	LEVER PIN RETAINER PIN	2	2	.03
05-105	9	TONG DIE BUSHING & SCREW	6	24	.06
05-113	10	ROLLOVER HANGER W/ SCREW AND NUT	1		1.75
05-109	11	K-20 OR K-25 ROPE GUIDE W/ NUT	1		2.75

DIES FOR K-20 AND K-25 REFER TO [PAGE 111](#)

RECOMMENDED DIE FOR ONE YEAR ORDER, 3 FOR EACH SIZE REQUIRED
PARTS ARE INTERCHANGEABLE WITH KELCO® K-20 & K-25 TUBING TONGS
*RECOMMENDED SPARE PARTS FOR ONE YEAR SERVICE

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K-30 & K-50 MANUAL TUBING TONGS



K-30 & K-50 TUBING TONG ASSEMBLIES

RMET#	DESCRIPTION	RANGE	RATING	WT. (LBS)
06-101	K-30 TONG ASSEMBLY COMPLETE L/ DIES AND HANGER	1 1/2" – 4 1/8"	5,000 FT-LBS	48
06-102	K-30 TONG ASSEMBLY COMPLETE L/ DIES W/ STANDARD HANGER	1 1/2" – 4 1/8"	5,000 FT-LBS	61
06-103	K-30 TONG ASSEMBLY COMPLETE L/ DIES W/ ROLLOVER HANGER	1 1/2" – 4 1/8"	5,000 FT-LBS	64
06-501	K-50 TONG ASSEMBLY COMPLETE L/ DIES AND HANGER	2 3/8" – 5 1/2"	7,500 FT-LBS	60
06-502	K-50 TONG ASSEMBLY COMPLETE L/ DIES W/ STANDARD HANGER	2 3/8" – 5 1/2"	7,500 FT-LBS	75
06-503	K-50 TONG ASSEMBLY COMPLETE L/ DIES W/ ROLLOVER HANGER	2 3/8" – 5 1/2"	7,500 FT-LBS	77

REPLACEMENT PARTS FOR K-30, K-50, K50HT, & K70 TUBING TONGS

K-30 TUBING TONGS

RMET#	ITEM#	DESCRIPTION	#REQ.	*SPARES	WT. (LBS)
06-104	1	TONG LEVER	1		24.00
06-105	2	LEVER JAW	1		8.00
06-106	3	CENTER JAW	1		5.50
06-107	4	LATCH JAW	1		5.75
06-108	5	TONG LEVER PIN	1	1	.75
06-109	6	TONG HEAD PIN	3	3	.50
06-157	7	RETAINER PINS	8	8	.03
06-110	8	TONG DIE BUSHING W/ SCREW	6	24	.10
06-113	9	TONG HANGER W/ HANGER SCREW & NUT	1		13.00
06-114	10	ROLLOVER BLOCK	1		2.50

DIE REPLACEMENT REFER TO [PAGE 108](#)

K-50 TUBING TONGS

RMET#	ITEM#	DESCRIPTION	#REQ.	*SPARES	WT. (LBS)
06-504	1	TONG LEVER	1		24.00
06-505	2	LEVER JAW	1		8.00
06-506	3	CENTER JAW	1		5.50
06-507	4	LATCH JAW	1		5.75
06-508	5	TONG LEVER PIN	1	1	.75
06-509	6	TONG HEAD PIN	3	3	.50
06-516	7	RETAINER PINS	8	8	.03
06-510	8	TONG DIE BUSHING W/ SCREW	6	24	.10
06-113	9	TONG HANGER W/ HANGER SCREW & NUT	1		13.00
06-114	10	ROLLOVER BLOCK	1		2.50

DIE REPLACEMENT REFER TO [PAGE 111](#)

K-50 HT TUBING TONGS

RMET#	ITEM#	DESCRIPTION	#REQ.	*SPARES	WT. (LBS)
06-516	7	RETAINER PINS	8	8	.03
06-510	8	TONG DIE BUSHING W/ SCREW	6	24	.10
06-113	9	TONG HANGER W/ HANGER SCREW & NUT	1		13.00
06-114	10	ROLLOVER BLOCK	1		2.50

DIE REPLACEMENT REFER TO [PAGE 112](#)

K-70 TUBING TONGS

RMET#	ITEM#	DESCRIPTION	#REQ.	*SPARES	WT. (LBS)
06-516	7	RETAINER PINS	8	8	.03
06-510	8	TONG DIE BUSHING W/ SCREW	6	24	.18
06-113	9	TONG HANGER W/ HANGER SCREW & NUT	1		13.00
06-114	10	ROLLOVER BLOCK	1		2.50

DIE REPLACEMENT REFER TO [PAGE 112](#)

RECOMMENDED DIES FOR 1 YEAR ORDER, 3 FOR EACH SIZE PIPE TO BE RUN
 PARTS ARE INTERCHANGEABLE WITH KELCO® TONGS
 *RECOMMENDED SPARE PARTS FOR 1 YEAR OF OPERATION

DIES FOR TUBING TONGS

RMET#	DESCRIPTION	# SET	WT.EA. (LBS)
04-119	K-20 - 3/4" (1.050")	3	1.03
04-120	K-20 - 1" (1.315")	3	.95
04-121	K-20 - 1-1/4" (1.660")	3	.80
04-122	K-20 - 1-1/2" (1.900")	3	.67
04-125	K-20 - 1 3/4"	3	.75
04-123	K-20 - 2-1/16"	3	.57
04-124	K-20 - 2-3/8"	3	.35
05-119	K-25 - 3/4" (1.050")	3	1.71
05-120	K-25 - 1" (1.315")	3	1.63
05-121	K-25 - 1-1/4" (1.660")	3	1.47
05-135	K-25 - 1.688"	3	1.45
05-137	K-25 - 1.690"	3	1.45
05-122	K-25 - 1-1/2" (1.900")	3	1.33
05-138	K25 - 1 3/4"	3	1.45
05-123	K-25 - 2-1/16"	3	1.22
05-133	K-25 - 2 1/8"	3	1.18
05-134	K-25 - 2.250"	3	1.08
05-124	K-25 - 2-3/8"	3	.98
05-125	K-25 - 2-1/2"	3	.87
05-141	K-25 - 2 11/16"	3	.71
05-126	K-25 - 2.697"	3	.70
05-127	K-25 - 2.776"	3	.62
05-128	K-25 - 2 7/8"	3	.52
06-133	K-30 - 1-1/4" (1.660")	3	4.04
06-139-1	K-30 - 1 11/16"	3	4.00
06-134	K-30 - 1-1/2" (1.900")	3	3.85
06-138	K-30 - 2"	3	3.77
06-119	K-30 - 2-1/16"	3	3.72
06-144	K-30 - 2 1/8"	3	3.65
06-145	K-30 - 2 1/4"	3	3.53
06-120	K-30 - 2-3/8"	3	3.40
06-147	K-30 - 2 3/4"	3	2.95
06-121	K-30 - 2-7/8"	3	2.78
06-135	K-30 - 3"	3	2.60
06-122	K-30 - 3-1/16"	3	2.51
06-123	K-30 - 3-1/8"	3	2.42
06-124	K-30 - 3-1/4"	3	2.22
06-141-1	K-30 - 3.327"	3	2.10
06-130	K-30 - 3-3/8"	3	2.02
06-125	K-30 - 3-1/2"	3	1.80
06-141	K-30 - 3 5/8"	3	1.58
06-126	K-30 - 3.668"	3	1.50
06-132	K-30 - 3.6875"	3	1.47
06-127	K-30 - 3-3/4"	3	1.35
06-131	K-30 - 3-7/8"	3	1.11
06-158	K-30 - 3.915"	3	1.03
06-159	K-30 - 3.930"	3	1.00
06-129	K-30 - 4"	3	.87
06-150	K-30 - 4.035"	3	.80
06-128	K-30 - 4 1/8"	3	.60

OTHER SIZES MAY BE AVAILABLE UPON REQUEST
GRITFACE® DIES AVAILABLE UPON REQUEST

DIES FOR TUBING TONGS

RMET#	DESCRIPTION	# SET	WT. EA. (LBS)
06-573	K-50 & K-50 HT - 2 3/8"	3	7.50
06-575	K-50 & K-50 HT - 2-7/8"	3	6.33
06-591-1	K-50 & K-50 HT - 3"	3	5.93
06-574	K-50 & K-50 HT - 3 1/8"	3	6.15
06-594	K-50 & K-50 HT - 3 3/8"	3	5.60
06-576	K-50 & K-50 HT - 3-1/2"	3	5.33
06-592	K-50 & K-50 HT - 3 9/16"	3	2.74
06-598	K-50 & K-50 HT - 3 5/8"	3	5.15
06-577	K-50 & K-50 HT - 3-3/4"	3	4.74
06-578	K-50 & K-50 HT - 4"	3	4.15
06-579	K-50 & K-50 HT - 4-1/8"	3	4.05
06-585	K-50 & K-50 HT - 4 1/4"	3	3.78
06-593	K-50 & K-50 HT - 4.292"	3	3.87
06-569	K50 & K-50 HT - 4.400"	3	3.66
06-580	K-50 & K-50 HT - 4-1/2"	3	3.50
06-588	K-50 & K-50 HT - 4.668"	3	3.15
06-581	K-50 & K-50 HT - 4-3/4"	3	2.92
06-591	K-50 & K-50 HT - 4.798"	3	2.74
06-597	K-50 & K-50 HT - 4 7/8"	3	2.55
06-568	K-50 & K-50 HT - 4.920"	3	2.44
06-582	K-50 & K-50 HT - 5"	3	2.33
06-567	K-50 & K-50 HT - 5.042"	3	2.42
06-587	K-50 & K-50 HT - 5 1/4"	3	2.03
06-583	K-50 & K-50 HT - 5 1/2"	3	1.87
06-773	K-70 - 2 7/8"	3	14.50
06-758	K-70 - 3 1/2"	3	13.25
06-757	K-70 - 4"	3	12.00
06-785	K-70 - 4 1/8"	3	11.65
06-756	K-70 - 4 1/2"	3	10.50
06-755	K-70 - 4 3/4"	3	10.25
06-780	K-70 - 4.797"	3	10.15
06-754	K-70 - 5"	3	9.50
06-770	K-70 - 5 1/4"	3	8.75
06-753	K-70 - 5 1/2"	3	8.00
06-778	K-70 - 5 5/8"	3	7.40
06-759	K-70 - 5 3/4"	3	7.25
06-752	K-70 - 6"	3	6.25
06-763	K-70 - 6.050"	3	6.40
06-751	K-70 - 6 5/8"	3	4.75
06-749	K-70 - 6 7/8"	3	3.75
06-750	K-70 - 7"	3	3.00
06-725	K-70 - 7 1/4"	3	2.42

OTHER SIZES MAY BE AVAILABLE UPON REQUEST

GRITFACE® DIES AVAILABLE UPON REQUEST

PIPE DRIFTS

Drifts are used to measure a pipe's inner roundness by passing the mandrel through the length of the pipe to detect occlusions. These occlusions can prevent downhole tooling from passing through. Ramey Martin's pipe drifts are made from UHMW Natural Rod or Steel and are available in standard 12-inch and 14-inch cylinder lengths. Ramey Martin can manufacture drifts to customer specifications. Contact Ramey Martin for custom sizes or any other special request.



COMMON STANDARD PIPE DRIFT SIZES

RMET#	DESCRIPTION	WT. (LBS)
22-02438-12-T	2.438" OD X 12" OAL (10" CL) PIPE DRIFT	1.75
22-02438-14-T	2.438" OD X 14" OAL (12" CL) PIPE DRIFT	2.00
22-02875-12-T	2.875" OD X 12" OAL (10" CL) PIPE DRIFT	2.40
22-02875-14-T	2.875" OD X 14" OAL (12" CL) PIPE DRIFT	2.80
22-03875-12-T	3.875" OD X 12" OAL (10" CL) PIPE DRIFT	4.30
22-03875-14-T	3.875" OD X 14" OAL (12" CL) PIPE DRIFT	5.10
22-04125-12-T	4.125" OD X 12" OAL (10" CL) PIPE DRIFT	5.00
22-04125-14-T	4.125" OD X 14" OAL (12" CL) PIPE DRIFT	5.90

OTHER SIZES, LENGTH, AND TYPES AVAILABLE UPON REQUEST

LIFTING BAILS



Pin



Box

OD RANGE	CONNECTION SIZE & TYPE	PIN PART#	UNIT WT (LBS)	BOX PART #	UNIT WT (LBS)	WT/SET (LBS)
3 1/8 – 3 1/2	NC 23	09-101	6	09-201	6	12
	2 3/8 REG.	09-102	6	09-202	6	12
	NC 26	09-103	6	09-203	6	12
	2 3/8 IF	09-104	6	09-204	6	12
	2 7/8 PAC	09-105	6	09-205	6	12
4 – 4 3/8	2 7/8 IF	09-106	9	09-206	8	17
	2 7/8 XH	09-107	9	09-207	8	17
	N.C 31	09-108	9	09-208	8	17
	3 1/2 REG	09-109	9	09-209	8	17
4 1/2 - 5 1/8	N.C 35	09-110	12	09-210	10	22
	3 1/2 XH	09-111	12	09-211	10	22
	N.C 38	09-112	12	09-212	10	22
	3 1/2 IF	09-113	12	09-213	10	22
5 – 5 3/4	N.C 40	09-114	15	09-214	14	29
	4 FH	09-115	15	09-215	14	29
5 3/4 – 6 1/4	4 1/2 REG	09-116	21	09-216	19	40
	4 1/2 FH	09-117	21	09-217	19	40
6 1/4 – 6 3/4	4 IF	09-118	20	09-218	18	38
	4 1/2" XH	09-119	20	09-219	18	38
	4 1/2 PH6	09-120	21	09-220	19	40
	N.C 46	09-121	20	09-221	18	38
	4 1/2 H-90	09-122	20	09-222	18	38
	5 1/2 REG	09-123	23	09-223	20	43
6 3/4 – 7 1/2	5 1/2 H-90	09-124	23	09-224	20	43
	N.C 50	09-125	23	09-225	20	43
	4 1/2 IF	09-126	23	09-226	20	43
	5 1/2 FH	09-127	33	09-227	30	63
7 1/4 – 8 1/4	6 5/8 REG	09-128	33	09-228	30	63
	6 5/8 H-90	09-129	33	09-229	30	63
	N.C 61	09-130	32	09-230	32	64
9 – 10	7 5/8 REG	09-131	66	09-231	62	128
10 - 11	XT-39	09-132	12	09-232	10	22
	8 5/8 REG	09-133	77	09-233	73	150
	HT-38	09-134	12	09-234	10	22

NOTE: NOT ALL SIZES AND TYPES LISTED ABOVE. OTHER SIZES AND TYPES AVAILABLE UPON REQUEST.

THREAD PROTECTORS



Thread protectors are designed to protect internal and external drill pipe threads from contact and reduce damage. They are available for just about every thread, in pin and box configurations. Contact RMET for your specific type and size.

KELLY BUSHINGS

ROLLERS & WIPERS FOR "27-HPD" & "HSD" KELLY BUSHINGS

KELLY SIZE TYPE	ROLLER ASSY.	WT. (LBS)	ROLLER ONLY	WT. (LBS)	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

REPLACEMENT PARTS FOR "27-HPD" & "HSD" KELLY BUSHINGS

27 HPD PART #	DESCRIPTION	QTY	REF.#	WT. (LBS)	HSD PART #	REF.#	WT. (LBS)
32-653	BODY ASSY. COMPLETE L/ ROLLER ASSY.	1	3653	990	32-637	3637	900
32-501	HOLDDOWN BOLT W/ LOCKSCREW & WASHER	4	13501	7.00	32-501	13501	7.00
32-500	HOLDDOWN BOLT LOCKSCREW	4	50110-8-S	.23	32-500	50110-8-S	.23
32-510	HOLDDOWN BOLT LOCKWASHER	4	511110	.08	32-510	51110	.08
32-208	HOLDDOWN NUT	4	1208	1.75	32-208	1208	1.75
32-924	LOCKWASHER	4	50924	.25	32-924	50924	.25
32-605	DRIVE PIN	4	1605	10.00	N/A		13.10
32-506	DRIVE PIN WASHER	4	1506	1.00	N/A		.58
32-210	WRENCH	1	1210	8.00	32-210	1210	8.00
32-321	WIPER RETAINER RING	1	1321	3.50	SAME		3.75
32-008	SCREWS F/ RING	8	50008-10-S	.16	SAME		.093
32-695	LOCK ASSEMBLY		3695		*SPARES		
32-017	RETAINING RING	2	1017				
32-506	DRIVE PIN WASHER	2	1506				.584
32-696	ECCEN. PIN, HPD LOCK	2	3696		2		
32-697	DRIVE PIN, HPD LOCK	2	3697				
32-698	LOCK, HPD	2	3698		2		

*RECOMMENDED SPARES FOR 1 YEAR OPERATION

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

RMET#	DESCRIPTION	REF.#	QTY.	*SPARES	WT. (LBS)
32-312	ROLLER BEARING	1312	4	4	7.00
32-326	SLEEVE BEARING	1326	4	4	2.00
32-609	ROLLER PIN W/ LUBE FITTING	3609	4	4	31.50
32-618	THRUST WASHER W/ O-RINGS	3618	8	8	5.00
32-613	DRIVE LOCK PIN F/ THRUSTWASHER	3613	8		.25
32-615	TEMPLATE	3615	1		.50
32-138	LOCK PIN F/ THRUSTWASHER	19138	8		.20
32-233	ID, O-RING THRUSTWASHER	51300-233-B	16	16	.50
32-255	OD, O-RING THRUSTWASHER	51300-255-B	16	16	1.50

*RECOMMENDED SPARES FOR 1 YEAR OPERATION



**Products Manufactured by
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