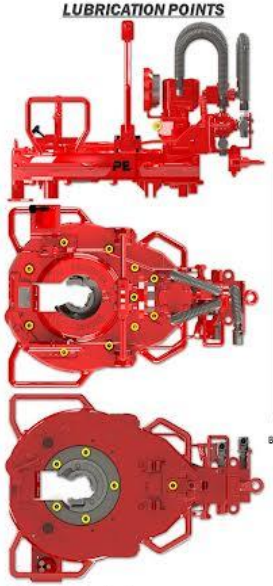
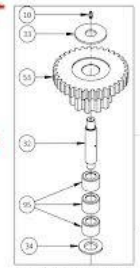
MODEL 55000
HYDRAULIC TUBING TONG

- 8,750 FT.-LBS. OF MAKE-UP TORQUE
- 1.05" TO 4-3/4" RANGE
- 101 HIGH GEAR RPM
- 21 LOW GEAR RPM

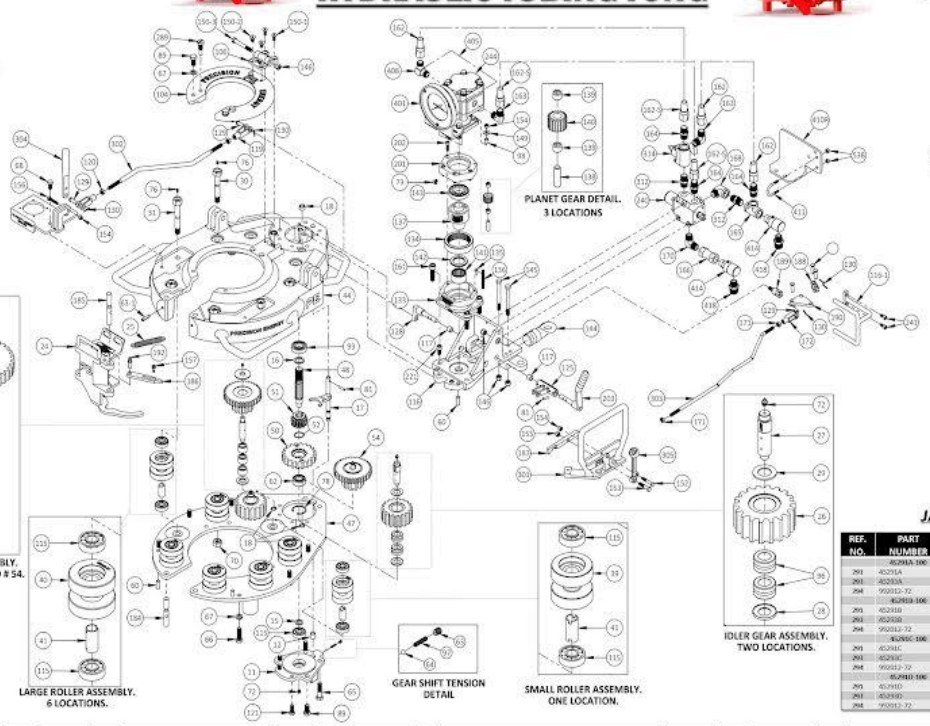
PRECISION ENERGY PRODUCTS LLC

LUBRICATION POINTS





CLUSTER GEAR ASSEMBLY. BOTH FOR REF # 53 AND # 54.



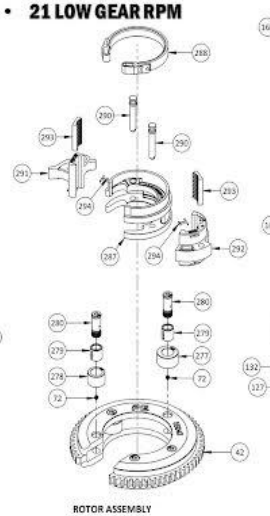
PLANET GEAR DETAIL. 3 LOCATIONS

LARGE ROLLER ASSEMBLY. 6 LOCATIONS.

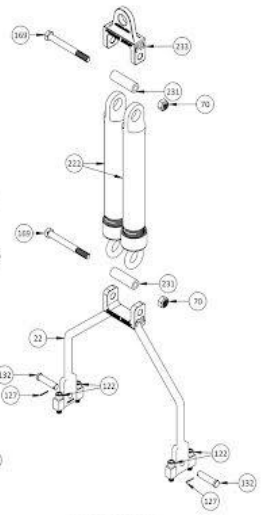
GEAR SHIFT TENSION DETAIL

SMALL ROLLER ASSEMBLY. ONE LOCATION.

IDLER GEAR ASSEMBLY. TWO LOCATIONS.



ROTOR ASSEMBLY



HANGER ASSEMBLY

JAW ASSEMBLIES

REF. NO.	PART NUMBER	QTY.	DESCRIPTION	LBs/UNIT
	452901A-100	1	2-3/8" Jaw Assembly	8.50
291	45291A	1	2-3/8" JAW	4.50
291	452915A	1	2-3/8" DIE	1.00
294	992012-72	2	COTTER PIN	0.01
	452910-100	1	2-7/8" Jaw Assembly	8.50
291	45291B	1	2-7/8" JAW	4.50
291	452915B	1	2-7/8" DIE	1.00
294	992012-72	2	COTTER PIN	0.01
	452915C-100	1	3-1/2" Jaw Assembly	8.50
291	45291C	1	3-1/2" JAW	4.50
291	452915C	1	3-1/2" DIE	1.00
294	992012-72	2	COTTER PIN	0.01
	452910-100	1	4-1/2" Jaw Assembly	8.50
291	45291D	1	4-1/2" JAW	4.50
291	452915D	1	4-1/2" DIE	1.00
294	992012-72	2	COTTER PIN	0.01

BUSHING ASSEMBLIES

REF. NO.	PART NUMBER	QTY.	DESCRIPTION	LBs/UNIT
	452902A-100	1	2-3/8" BUSHING ASSEMBLY	15.00
292	45292A	1	2-3/8" BUSHING	13.00
293	452913A	1	2-3/8" DIE	1.00
294	992012-72	2	COTTER PIN	0.01
	452958-100	1	2-7/8" BUSHING ASSEMBLY	11.25
292	452928	1	2-7/8" BUSHING	10.25
293	452938	1	2-7/8" DIE	1.00
294	992012-72	2	COTTER PIN	0.01
	452958C-100	1	3-1/2" BUSHING ASSEMBLY	9.00
292	45292C	1	3-1/2" BUSHING	8.50
293	452913C	1	3-1/2" DIE	1.00
294	992012-72	2	COTTER PIN	0.01
	452910-100	1	4-1/2" BUSHING ASSEMBLY	11.50
292	452902D	1	4-1/2" BUSHING	11.00
293	452913D	1	4-1/2" DIE	1.00
294	992012-72	2	COTTER PIN	0.01

REF. NO.	PART NO.	QTY.	DESCRIPTION	LBS/UNIT
	55011-100		BOTTOM COVER TRANSMISSION ASSEMBLY	
11	45011	1	COVER, BOTTOM TRANSMISSION	10.00
12	45012	1	BUSHING	0.03
15	45015	1	BEARING SPACER	0.03
16	45016	1	THRUST WASHER	0.03
17	45017	1	SHIFT FORK	0.06
18	45018	6	GEAR SHAFT BUSHING	0.04
	45022-100		HANGER ASSEMBLY (REF. # 59, 22, 70, 129, 129, 132, 169)	
20	992058-12		NUT	
22	45022-200	1	HANGER	17.00
	45023-100		SUSPENSION HANGER ASSEMBLY	
25	45025-3	1	SAFETY SLING	1.00
26	45026-200	1	GUARD DOOR	12.07
25	45025	1	DOOR SPRING	0.03
26	55026	2	IDLER GEAR	7.43
27	45027-01	2	IDLER GEAR SHAFT	0.68
28	45028	2	THRUST WASHER	0.07
29	45029	2	THRUST WASHER	0.94
30	45030-01	5	GUIDE ROLLER SHAFT	0.82
31	45031-01	2	GUIDE ROLLER SHAFT	0.94
32	45032-01	2	CLUSTER GEAR SHAFT	5.63
33	45033	2	THURST WASHER	0.16
34	45034	2	THRUST WASHER	0.07
99	55035	1	GUIDE ROLLER	3.82
90	45040-01	6	GUIDE ROLLER	5.35
41	45041	7	GUIDE ROLLER SPACER	0.11
42	55042	1	68 TOOTH ROTOR	68.62
	55042-100	1	ROTOR ASSEMBLY (INCLUDED REF 72, 177-280, 282)	
45	55048-200	1	TUBING TONG HOUSING	188.00
47	55047-200	1	TONG COVER	61.60
48	45048	1	PINION SHAFT	1.72
50	55050	1	HIGH SPEED PINION, 20 TOOTH	4.74
51	55051	1	33 TOOTH LOW SPEED PINION GEAR	1.00
55	55060	1	CLUSTER GEAR, LEFT HAND	8.63
54	55061	1	RH CLUSTER GEAR	8.63
60	992082-96	4	DOWEL PIN	0.08
62	560041-5205	1	BEARING	0.42
63	992136-88	1	SET SCREW	0.01
63-1	992011-184	2	ROLL PIN	0.03
64	9905725	1	STEEL BALL	0.03
65	992067-05	2	CAP SCREW	0.28
66	992067-03	6	CAP SCREW	0.23
67	992551-14	16	LOCKWASHER	0.01
68	992965-03	2	CAP SCREW	0.09
69	992512-16	4	LOCKWASHER	0.01
70	992162-05	7	NUT	0.18
71	992562-55	2	SHORT DOWEL	0.07
72	992572-01	3	GREASE FITTING	0.01
73	992575-01	1	GREASE FITTING	0.01
76	992575-04	9	GREASE FITTING	0.01
78	992153-200	1	SNAP RING	0.04
89	992067-02	4	CAP SCREW	0.61
95	992021-206	1	BEARING	0.50
96	45095	6	BEARING SET	0.50
96	45096	4	BEARING SET	0.50
97	45097	1	TRANSMISSION SPRING	0.01
98	45098	2	MOTOR BUSHING	0.01
99	45099	1	SAFETY PLATE	0.06
101	45101	1	TOP COVER	55.91
106	45106	1	TOP COVER HINGE	5.00
	45106-200	1	TOP COVER HINGE ASSY (REF 150-1, 151, 160)	
115	940007-104	15	BEARING	0.25
	45116-200	1	TONG HANDLE ASSY (REF. 116, 117)	
116	45116	1	TONG HANDLE	15.22
116-1	45116-300	1	CONTROL VALVE LINKAGE GUARD	2.27
117	45117	1	SHIFT BUSHING	0.02
119	909470-16	2	END YOKE	0.06
120	992107-10	2	JAM NUT	0.06
121	992006-94	2	CAP SCREW	0.13
122	992022-06	4	SH CAP SCREW	0.24
125	45125	1	SHIFT LEVER	1.00
126	992011-128	4	ROLL PIN	0.13
128	45128	1	SHIFT LEVER	0.78
129	992009-125	2	CLEVIS PIN	0.13
130	992012-36	6	COTTER PIN	0.06
131	992046-106	4	CLEVIS PIN	0.13
132	992009-165	2	CLEVIS PIN	0.13
135	45135-200	1	GEAR HOUSING ASSEMBLY (REF. 131-135)	
135	45135	1	GEAR HOUSING	7.47
136	45136	1	RING GEAR	5.67
136	45136	2	STUD	0.08
137	45137-200	3	PLANETARY GEAR ASSEMBLY (REF. 137-140)	
137	45137	3	PLANETARY GEAR HOUSING	1.50
138	992062-37	3	PLANET GEAR SHAFT	0.06
139	45139	6	BEARING	0.06
140	45140	3	PLANET GEAR	0.50
142	45142	1	THRUST WASHER	0.13
143	949016-200	1	BEARING	0.25
144	45144-200	1	BACK SWIVEL	3.17
145	992006-97	2	CAP SCREW	0.13
146	992009-89	4	NYLOCK NUT	0.06
147	992168-85	2	HEX NUT	0.06
148	992516-83	2	FLAT WASHER	0.06
150	992006-94	2	FH SOCKET SCREW	0.13
150-1	992006-93	2	FH SOCKET SCREW	0.13
150-2	992006-93	2	FH SOCKET SCREW	0.13
150-3	992006-54	5	CAP SCREW	0.06
151	992107-05	2	HEAVY THIN NUT	0.06
152	992008-39	3	CAP SCREW	0.06
155	992004-07	1	CAP SCREW	0.10
154	992089-05	4	NYLOCK NUT	0.06
155	992089-07	1	NYLOCK NUT	0.06
156	992003-08	1	CAP SCREW	0.06
157	992127-03	1	SHOULDER BOLT	0.03
158	992011-102	1	ROLL PIN	0.01
159	992017-13	3	CAP SCREW	0.06
160	992153-35	1	HEX NUT	0.06
161	992025-07	4	CAP SCREW	0.06
162	900706-240	2	HYDRAULIC HOSE	2.00
162-S	900706-241	1	HYDRAULIC HOSE	2.00
163	992341-5-12-12	2	90° MALE ELBOW	0.36
164	992138-5-12-12	4	HYDRAULIC FITTING	0.80
165	992434-5-12-12	1	HYDRAULIC FITTING TEE	0.89
166	46659	1	ADAPTER	0.64
168	992142-5-12-12	1	ADAPTER ELBOW	0.70
170	992330-5-12-12	1	ADAPTER ELBOW	0.58
171	992107-08	2	JAM NUT	0.02
172	900870-7	1	END YOKE	0.06
173	45173	1	SAFETY LATCH BAR	0.55
174	45174	1	LEFT HAND DOOR PIN	0.55
175	45175	1	RIGHT HAND DOOR PIN	0.64
176	45176	1	CONTROL VALVE YOKE	0.17
177	45177	1	FIXED YOKE	0.27
178	45178	1	PIVOT PLATE	0.49
179	45179	1	SAFETY LATCH SPRING PIN	0.09
180	45180	1	CAP SCREW	0.03
181	45181-1	1	BLUE SHIFT LEVER HANDLE	1.85
182	992023-05	2	CAP SCREW	0.10
183	45183-100	1	DRAG SUSPENSION HANGER ASSY	10.00
184	45184	1	SAFETY LATCH PLATE	0.44
185	45185	1	RIGHT HAND DOOR PIN	0.64
186	45186	1	SAFETY LATCH PLATE	0.44
187	45187	1	SAFETY LATCH BAR	0.55
188	45188	1	CONTROL VALVE YOKE	0.17
189	45189	1	FIXED YOKE	0.27
190	45190	1	PIVOT PLATE	0.49
192	45192	1	SAFETY LATCH SPRING PIN	0.09
200	992005-05	2	CAP SCREW	0.03
201	45201	1	MOTOR ADAPTER	5.03
202	992019-06	4	CAP SCREW	0.05
203	45203	1	BLUE SHIFT LEVER HANDLE	1.85
221	992023-05	2	CAP SCREW	0.10
222	45030-100	1	DRAG SUSPENSION HANGER ASSY	10.00
240	45240	1	CONTROL VALVE ASSY	15.00
241	992019-03	2	SH CAP SCREW	0.20
244	970400-5	1	HYDRAULIC MOTOR	0.06
277	45277	3	LARGE ROLLER	1.75
278	45278	2	SMALL ROLLER	1.00
279	45279	5	ROLLER BUSHING	0.20
280	45280	5	ROLLER PIN	0.80
287	45287	1	INNER RING	10.00
288	45288-200	1	BRAKE BAND	5.00
289	45289	2	BRAKE BAND PIN	0.50
290	45290	2	JAW PIN	0.25
301	45301	1	THROTTLE BRACKET	5.00
302	45302	1	SHIFT ROD	1.00
303	45303	1	THROTTLE ROD	0.50
304	45304	1	SHIFT HANDLE	1.50
305	45305-01	1	THROTTLE HANDLE	0.68
312	992153-5-12-12	1	HEX NIPPLE	0.50
314	943972-45	1	HYDRAULIC RELIEF VALVE	5.00
332	900706-241	1	JUMPER HOSE	1.25
401	55403-101	1	TORQUE GAUGE ASSEMBLY, PSI/FT-LBS	2.00
403	45406	1	HOSE ASSEMBLY	0.25
406	45406	1	90 DEGREE ELBOW ADAPTER	0.47
410R	45430-05	1	CONTROL VALVE BACK GUARD	5.60
411	992127-018	1	U-CLAMP	0.52
414	992453-12	2	HYDRAULIC SWIVEL	1.14
415	992135-5-16-12	2	HYDRAULIC FITTING	0.60

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