



PARTSPRO
METALS & PLASTICS



TABLE OF CONTENTS

1....BOTTOM END ASSEMBLY
2....BOTTOM END ASSEMBLY
3....POPPET TIPS
4....4.75" MULESHOE ASSEMBLY
5....6.50" MULESHOE ASSEMBLY
6....BOTTOM SLEEVES & ORIFICES
7....KINTEC COMPONENTS
8....KINTEC COMPONENTS & CONNECTORS
9....INTERCONNECT ADAPTOR ASSEMBLY
10....PULSER HOUSING ASSEMBLY
11....PULSER HOUSING ASSEMBLY
12....INTERNAL PULSER ASSEMBLY
13....INTERNAL PULSER ASSEMBLY
14....INTERNAL PULSER ASSEMBLY
15....INTERNAL PULSER ASSEMBLY (Deutsch)
16....INTERNAL PULSER ASSEMBLY (Deutsch)
17....BATTERY MODULE ASSEMBLY
18....DIRECTIONAL MODULE ASSEMBLY
19....GAMMA MODULE ASSEMBLY
20....EM/DUEL TELEMETRY TOP CONTACT ASSEMBLY
21....EM/DUEL TELEMETRY TOP CONTACT ASSEMBLY
22....EM/DUEL TELEMETRY INTERNAL GAP ASSEMBLY
23....PRESSURE BARRELS
24....PRESURE BARREL ACCESSORIES
25....RUNNING GEAR
26....SURFACE GEAR
27....TEST EQUIPMENT
28....CABLES



MOST PARTS STOCKED
INQUIRE FOR DIFFERENT MATERIALS
CUSTOM PARTS AVAILABLE UPON REQUEST
CONTACT US FOR PRICING



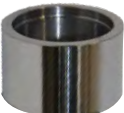
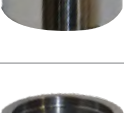
BOTTOM END ASSEMBLY

1	BOTTOM END ASSEMBLY PPASM.61	Assembly	
2	3" PLENUM PPB.60 TENSOR 981012	BeCu	
3	3" CERAMIC SLEEVE PPCR.09 TENSOR 981162	Zirconia Ceramic	
4	RAM STOP PPSS.75	6" Stainless Steel Ask us for 5"	
5	MAIN SPRING PPSS.70	17-7 SS	
6	PISTON CAP PPSS.71	17-4 Heat Treated	
7	MAIN SHAFT ORIFICE PPC.77	Tungsten Carbide	
8	ABRASION RING PPSS.76	17-4 Heat Treated	

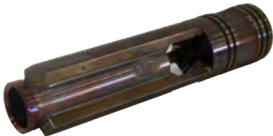
BOTTOM END ASSEMBLY

9	LATCHING FINGER COLLETS PPN.66	Nitronic 50	
10	HELIX LATCHING FINGER STYLE PPSS.65	17-4 heat treated	
11	HELIX REGULAR PPSS.63 TENSOR 981325	17-4 heat treated	
12	POPPET SHAFT (SPIRAL STYLE) PPSS.S.68	17-4 Heat Treated	
13	POPPET SHAFT (WITH BUILT IN RAM STOP) PPSS.RS.68	17-4 Heat Treated	
14	POPPET SHAFT (SIGNAL VALVE SHAFT) PPSS.68	17-4 Heat Treated	
15	POPPET BOLT PPSS.69	17-4 Heat Treated	
16	POPPET TIPS (SIZES 1.040" - 1.180" SEE NEXT PAGE)	Tungsten Carbide	

POPPET TIPS

17	POPPET TIP 1.040" PPCB.01.040	Tungsten Carbide	
18	POPPET TIP 1.086" PPCB.01.086	Tungsten Carbide	
19	POPPET TIP 1.122" PPCB.01.122	Tungsten Carbide	
20	POPPET TIP 1.125" PPCB.01.125	Tungsten Carbide	
21	POPPET TIP 1.120" PPCB.01.120	Tungsten Carbide	
22	POPPET TIP 1.20" PPCB.01.200	Tungsten Carbide	
23	POPPET TIP 1.25" PPCB.01.250	Tungsten Carbide	
24	POPPET TIP 1.80" PPCB.01.800	Tungsten Carbide	

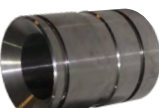
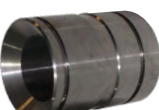
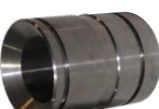
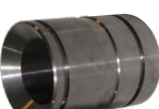
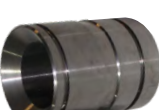
4.75" MULESHOE ASSEMBLY

25	4.75" MULESHOE ASSEMBLY (INCLUDES WEAR CUFF, KEY) PPSS.ASM.37	Medium Muleshoe Assembly	
26	4.75" LATCHING MULESHOE ASSEMBLY (INCLUDES WEAR CUFF, KEY) PPSS.ASM.38	Medium Latching Muleshoe Assembly	
27	WEAR CUFF PP.SS.43 TENSOR 981824	17-4 Heat Treated	
28	WEAR CUFF HD (THICKER WITH LARGER OD) PPSS.44	17-4 Heat Treated	
29	4.75" MULESHOE KEY PPSS.35 TENSOR 981332	Medium Muleshoe Key	
30	1" ROLL PIN PPA.411	420 SS	
31	2" SNAP RING PPSS.412	Internal Retaining Ring for Main Orifice	
32	2 7/16" SNAP RING PPSS.413	Internal Retaining Ring for Bottom Sleeve	
33	BOTTOM SLEEVE PPSS.HT.42 TENSOR 981827	17-4 SS Heat Treated	
34	SET SCREW (1/4-20 X 3/8")		

6.50" MULESHOE ASSEMBLY

35	6.50" MULESHOE ASSEMBLY (INCLUDES WEAR CUFF, KEY) PPSS.ASM.39	Large Muleshoe Assembly	
36	6.50" LATCHING MULESHOE ASSEMBLY (INCLUDES WEAR CUFF, KEY) PPSS.ASM.40	Large Latching Muleshoe Assembly	
37	WEAR CUFF PP.SS.43 TENSOR 981824	17-4 Heat Treated	
38	WEAR CUFF HD (THICKER WITH LARGER OD) PPSS.44	17-4 Heat Treated	
39	6.50" MULESHOE KEY PPSS.36 TENSOR 981371	Medium Muleshoe Key	
40	1" ROLL PIN PPA.411	420 SS	
41	2" SNAP RING PPSS.412	Internal Retaining Ring for Main Orifice	
42	2 7/16" SNAP RING PPSS.413	Internal Retaining Ring for Bottom Sleeve	
43	BOTTOM SLEEVE PPSS.HT.42 TENSOR 981827	17-4 SS Heat Treated	
44	SET SCREW (1/4-20 X 7/16")		

BOTTOM SLEEVES & ORIFICES

45	BOTTOM SLEEVE PPSS.HT.42 TENSOR 981827	17-4 Heat Treated	
46	CARBIDE BOTTOM SLEEVE 1.25" PPCB.T.04.125	Tungsten Carbide	
47	CARBIDE BOTTOM SLEEVE 1.28" PPCB.T.04.128	Tungsten Carbide	
48	CARBIDE BOTTOM SLEEVE 1.31" PPCB.T.04.131	Tungsten Carbide	
49	CARBIDE BOTTOM SLEEVE 1.35" PPCB.T.04.135	Tungsten Carbide	
50	CARBIDE BOTTOM SLEEVE 1.40" PPCB.T.04.140	Tungsten Carbide	
51	CARBIDE BOTTOM SLEEVE 1.50" PPCB.T.04.150	Tungsten Carbide	
52	CARBIDE BOTTOM SLEEVE 1.60" PPCB.T.04.160	Tungsten Carbide	
53	MAIN ORIFICE (INQUIRE FOR SIZES)	Tungsten Carbide	

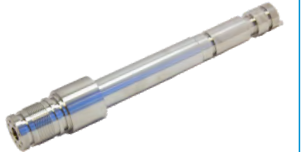
MWD KINTEC PARTS

54	SPLIT SHELL (1 SET) PPB.18 TENSOR 981506	BeCu	
55	INTERCONNECT HOUSING PPB.20 TENSOR 981509	BeCu	
56	INTERMODULE END (MWD) PPB.22 TENSOR 981514	BeCu	
57	BATTERY VENT PLUG HOUSING PPB.26 TENSOR 981631	BeCu	
58	VENT PLUG - 1/4" HEX PPSS.1/4.28 TENSOR 981645	316 Stainless Steel	
59	INTERMODULE END (GAMMA) PPB.30 TENSOR 981632	BeCu	
60	THREAD PROTECTOR - FEMALE PPA.T.33	Aluminum	
61	THREAD PROTECTOR - MALE PPA.T.34	Aluminum	
62	THREADED RING PPB.21 TENSOR 981504	BeCu	

MWD KINTEC PARTS & CONNECTORS

63	MED KINTEC CONNECTOR 4P-6S PPE.471	Medium Temp 4 Pin, 6 Socket	
64	MED KINTEC CONNECTOR 6P-4S PPE.472	Medium Temp 6 Pin, 4 Socket	
65	HT KINTEC CONNECTOR 4P-6S PPE.473	High Temp 4 Pin, 6 Socket	
66	HT KINTEC CONNECTOR 6P-4S PPE.474	High Temp 6 Pin, 4 Socket	
67	MWD CENTRALIZER SHAFT PPB.475 TENSOR 981752	BeCu	 PHOTO COMING SOON
68	MWD CENTRALIZER SHAFT WIRED PPB.W.475	BeCu Shaft, Kintec pigtail	 PHOTO COMING SOON
69	0.065" SPACER PPT.459	Toughmet	
70	0.125" SPACER PPT.450	Toughmet	

INTERCONNECT ADAPTOR ASSEMBLY

71	INTERCONNECT ADAPTOR ASSEMBLY PPASM.372	Assembly	
72	INTERCONNECT ADAPTOR SHAFT PPN.371	Nitronic 50	
73	5" CENTRALIZER FIN	Viton	
74	THREADED RING PPB.21 TENSOR 981504	BeCu	
75	SPLIT RING (PAIR) PPB.373	BeCu	
76	FEMALE THREAD PROTECTOR PPA.T.33 TENSOR 981517	Aluminum	
77	KINTEC PIGTAIL KINTEC TO MDM PPE.457		

PULSER HOUSING ASSEMBLY (CAMBER)

78	MALE THREAD PROTECTOR (DOUBLE START THREADS) PPP.32	Acetal	
79	PULSER SCREEN HOUSING (FAST PULSE) PPB.197	BeCu	
80	PULSER SCREEN (FAST PULSE) PPSS.199	BeCu	
81	SEAL SUPPORT HOUSING (FAST PULSE) PPN.198	Nitronic 50	
82	MUD COMPENSATOR HOUSING PP.201 TENSOR 981157	BeCu	
83	LINEAR SHAFT HOUSING PPB.82	BeCu	
84	MOTOR SLEEVE HOUSING PPB.200	BeCu	
85	ROTARY CONNECTOR HOUSING PPB.215	BeCu Nitronic 50 Toughmet	
86	OIL FILL PLUG PPB.17 TENSOR 981169	BeCu	
87	20" PULSER DRIVER BARREL PPB.T.135	BeCu	

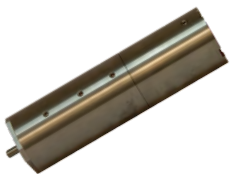
PULSER HOUSING ASSEMBLY (CAMBER)

88	PULSER SCREEN HOUSING (CAMBER STYLE) PPB.78 TENSOR 981204	BeCu or Nitronic	
89	PULSER SCREEN PPB.BR.87	Stainless	
90	PULSER SCREEN SLOTTED PB.86 TENSOR 981477	Stainless	

INTERNAL PULSER ASSEMBLY (CAMBER)

91	SERVO ORIFICE	Tungsten Carbide	
92	SERVO POPPET	Tungsten Carbide	
93	SERVO BELLOW PPR.10	Viton	
94	LOWER FLEXI SEAL HOUSING PPB.84	BeCu	
95	FLEXI SEAL		
96	UPPER FLEEXI SEAL SHOUSING PPB.83	BeCu	
97	SPLINE NUT PPB.204	BeCu	
98	MEMBRANE SUPPORT PPSS.80	316 Stainless Steel	
99	MEMBRANE BLADDER PPR.414	Viton	

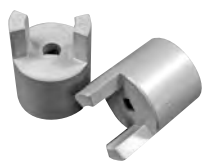
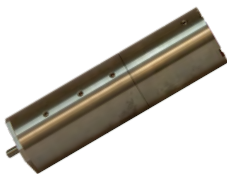
INTERNAL PULSER ASSEMBLY (CAMBER)

100	MEMBRANE CRIMP RINGS PPCO.194	Copper	
101	BALL SCREW ASSEMBLY PPSS.342	SS	
102	BALL SPIDER COUPLING PPA.416	Aluminum	
103	COUPLING INSERT PPR.417	Viton	
104	LOWER MOTOR COLLAR PPBR.418	Brass	
105	PPBR.419	Brass	
106	MOTOR SPIDER COUPLING PPA.420	Aluminum	
107	DC MOTOR ASSEMBLY PPASM.421		
108	10-CHANNEL ROTARY CONNECTOR PP.422.M	Male Connector	

INTERNAL PULSER ASSEMBLY (CAMBER)

109	PULSER ASSEMBLY - FULL PPASM.88	Housing & Internal Components	 PHOTO COMING SOON
110	ROTARY CONNECTOR SHOULDER PPBRSS.217	Aluminum	
111	PULSER DRIVER CAMBER COMPATIBLE PPE.455	Aluminum	
112	SOLID SNUBBER PPA.345	Aluminum	

INTERNAL PULSER ASSEMBLY (DEUTSCH)

113	MEMBRANE CRIMP RINGS PPCO.194	Copper	
114	BALL SCREW ASSEMBLY PPSS.342 (INQUIRE FOR 3 VARIATIONS)	SS	
115	BALL SPIDER COUPLING PPA.416	Aluminum	
116	COUPLING INSERT PPR.417	Viton	
117	LOWER MOTOR COLLAR PPBR.418	Brass	
118	LOWER MOTOR COLLAR PPBR.419	Brass	
119	MOTOR SPIDER COUPLING PPA.420	Aluminum	
120	DC MOTOR ASSEMBLY PPASM.421		
121	10-CHANNEL ROTARY CONNECTOR PP.422.M	Male Connector	

INTERNAL PULSER ASSEMBLY (DEUTSCH)

122	PULSER ASSEMBLY - FULL PPASM.88	Housing & Internal Components	 PHOTO COMING SOON
123	ROTARY CONNECTOR SHOULDER PPBRSS.217	Aluminum	
124	PULSER DRIVER CAMBER COMPATIBLE PPE.455	Aluminum	
125	SOLID SNUBBER PPA.345	Aluminum	
126	DEUTSCH WIRED TOPHAT PPA.W.176	Aluminum	
127	12" PIGTAIL DEUTSCH CONNECTION PPE.450		

BATTERY MODULE ASSEMBLY (DEUTSCH)

128	BATTERY MODULE ASSEMBLY PP.ASM.467	Deutsch Centralizer Fin, 51.85" Pressure Barrel, 12" Deutsch Pigtail, Battery Core, Solid Snubber, Deutsch Wired Bulkhead	
129	INTERMODULE FIN HOUSING BECU (3.25") W/ 4 BLADE FIN ZDB.105	BeCu	
130	51.85" PRESSURE BARREL (BATTERY) PPB.T.138 TENSOR 981635	BeCu	
131	12" PIGTAIL DEUTSCH CONNECTION PPE.450		
132	DEUTSCH BATTERY WITH CHIP 29AH PPBAT.57	Capacity and Size May Vary	
133	SOLID SNUBBER PPA.345	Aluminum	
134	BULKHEAD HOUSING BECU PPB.112 NITRONIC 50 PPN.112	BeCu or Nitronic 50	

DIRECTIONAL MODULE ASSEMBLY (DEUTSCH)

135	DIRECTIONAL MODULE ASSEMBLY PP.ASM.468	Deutsch Centralizer Fin, 53" Pressure Barrel, 12" Deutsch Pigtail, DM Pigtail Adaptor "Tophat" with Integrated Transorb, Orientation Sensor, DM Snubber Assembly, Deutsch DM Wired Bulkhead	
136	INTERMODULE FIN HOUSING BECU (3.25") W/ 4 BLADE FIN ZDB.105	BeCu	
137	53" PRESSURE BARREL (BATTERY) PPB.T.139	BeCu	
138	12" PIGTAIL DEUTSCH CONNECTION PPE.450		
139	DM PIGTAIL ADAPTOR "TOPHAT" WITH INTEGRATED TRANSORB PPE.451	Aluminum	
140	ORIENTATION SENSOR & MPU PPE.467	Style and Size May Vary	
141	BULKHEAD HOUSING BECU PPB.112 NITRONIC 50 PPN.112	BeCu or Nitronic 50	

GAMMA MODULE ASSEMBLY (DEUTSCH)

142	GAMMA MODULE ASSEMBLY PP.ASM.468	Deutsch Centralizer Fin, 24" Pressure Barrel, 12" Deutsch Pigtail, DM Pigtail Adaptor "Tophat" with Integrated Transorb, Orientation Sensor, DM Snubber Assembly, Deutsch DM Wired Bulkhead	
143	INTERMODULE FIN HOUSING BECU (3.25") W/ 4 BLADE FIN ZDB.105	BeCu	
144	24" PRESSURE BARREL (GAMMA) PPB.T.136	BeCu	
145	12" PIGTAIL DEUTSCH CONNECTION PPE.450		
146	TOP HAT ANNODIZED - WIRED PPA.W.176	Aluminum	
147	BULKHEAD HOUSING BECU PPB.112 NITRONIC 50 PPN.112	BeCu or Nitronic 50	

EM/DUEL TELEMETRY

TOP CONTACT ASSEMBLY (DEUTSCH)

148	TOP CONTACT ASSEMBLY	PPASM.114	 PHOTO COMING SOON
149	SPEARPOINT BOX END PPSS.342	Nitronic 50	
150	UPPER SPRING GUARD PPSS.120.U	316 Stainless Steel	
151	UPPPER BOWSPRING COLLAR PPSS.50U	316 Stainless Steel	
152	TOP CONTACT MAIN SHAFT PPB.118	BeCu	
153	COMPRESSION SPRING PPBR.419	Stainless	
154	SHAFT SLEEVE PPSS.119	Stainless Steel	
155	LOWER HOUSING PPSS.120	316 Stainless Steel	
156	LOWER BOWSPRING COLLAR PPSS.50L	316 Stainless Steel	

EM/DUEL TELEMETRY

TOP CONTACT ASSEMBLY (DEUTSCH)

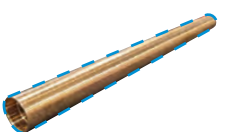
157	CENTRALIZER FIN PPB.121	SS	
158	TOP CONTACT NUT PPSS.115	Stainless Steel	
159	BOWSPRING BLADES PPCO.194	Stainless Steel	

EM/DUEL TELEMETRY

INTERNAL GAP ASSEMBLY

160	INTERNAL GAP ASSEMBLY PP.ASM.164		
161	CAP NUT PPSS.93	316 Stainless Steel	
162	INTERNAL GAP WASHER PPSS.101	316 Stainless Steel	
163	PEEK GAP 12" PPP.99	Peek	
164	INTERNAL GAP SHAFT PPB.106	BeCu	
165	HEX END PEEK WASHER PPP.458	Peek	
166	PEEK WASHER PPP.102	Peek	
167	GAP BOX END PPN.109	Nitronic 50	

PRESSURE BARRELS

168	20" PRESSURE BARREL (PULSER DRIVER) PPB.T.135	BeCu	
169	24" PRESSURE BARREL (GAMMA) PPB.T.136	BeCu	
170	27.5" PRESSURE BARREL (GAMMA) PPB.T.137	BeCu	
171	36.5" PRESSURE BARREL (SMART DM) PPB.T.142	BeCu	
172	51.85" PRESSURE BARREL (BATTERY) PPB.T.138 TENSOR 981635	BeCu	
173	53.55" PRESSURE BARREL (XXT) PPSS.115	BeCu	
174	68" PRESSURE BARREL (42AH BATTERY) PPB.T.140	BeCu	
175	CUSTOM PRESSURE BARREL	BeCu	

PRESSURE BARRELS ACCESSORIES

176	FIN CUTTER GUIDE (PULSER DRIVER) PPB.T.135	Aluminum	
177	FIN CUTTER KIT PPSS.184		
178	BATTERY BLANKET PPE.456	52" Polyester Tool Warmer with Heat Tracer	

RUNNING GEAR

179	BARREL WRENCH PPSS.423	Steel	
180	BATTERY SPILL KIT PPASM.424		
181	HELIX WRENCH	Steel	
182	J LATCH RETRIEVAL ASSEMBLY PPSS.453 TENSOR 981712	Steel	
183	J LATCH EXTENSION BAR 4' INQUIRE FOR OTHER LENGTHS PPA.428	Aluminum	
184	J LATCH RETRIEVAL ASSEMBLY CLEVIS PPSS.455 TENSOR 981819	Steel	
185	LIFTING BAIL SLING PPA.454 TENSOR 981922		
186	MULESHOE ORIENTATING WRENCH PPSS.397 TENSOR 981923	Steel	
187	OVERSHOT FISHING TOOL BULLDOG LATCH TENSOR 981701		
188	TOOL STAND PPA.400 TENSOR 9060101	Aluminum	

SURFACE GEAR

189	4152 RFD	Rig Floor Display	
190	ANTENNA PPAXL50ANT		
191	TRANSDUCER ASSEMBLY HAMMER UNION STYLE PPSS.212.W	10,000 PSI 3 or 6 pin	
192	TRANSDUCER ASSEMBLY 2" WIRED PPSS.210.W	10,000 PSI 4 or 6 pin	

TEST EQUIPMENT

193	DIGITAL FLUKE METER PPE.459		
194	AUTOMATIC RING OUT MACHINE PPE.460		
195	BREAKOUT BOX PPE.456		
196	DIGITAL CALIPERS PPE.461		
197	FLOW SIMULATOR PPE.452.D		
198	GUASS METER PPE.462		
199	MECHANICAL FLOW SIMULATOR PPE.452		
191	MWD TEST BOX PPE.463		

CABLES

192	ETHERNET CABLE		
193	LAVERSABE ETHERNET CABLE	30ft	
194	LAVERSAB GAMMA CABLE		
195	LAVERSAB POWER CABLE		
196	LAVERSAB USB-COMS CABLE		
197	LAVERSAB XXBUS CABLE		
198	NULL MODEM SERIAL CABLE MALE-FEMALE		
199	PROGRAMMING CABLE		
200	SERIAL CABLE FEMALE-FEMALE	10ft	
201	TRANSDUCER CABLE	150ft	
202	USB CABLE A-B		
203	USB TO SERIAL ADAPTOR		

