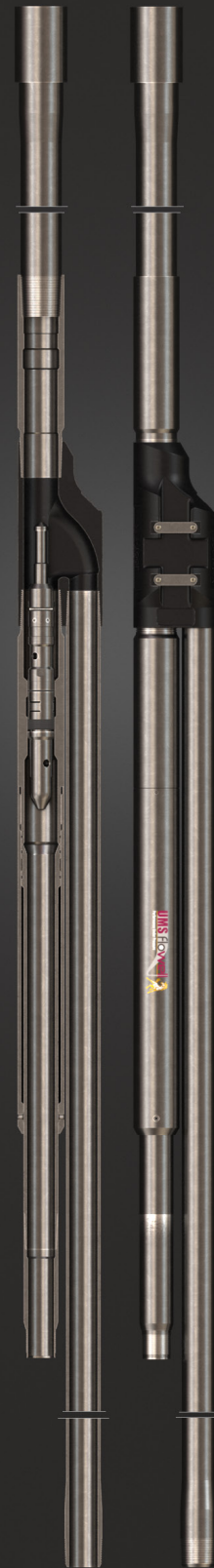


Y-Tool Sub Assembly

The UMS Flowell Y-Tool Sub Assembly comprises of the following items:

- 6ft handling sub with a top connection to suit the customer's production tubing
- Optional top nipple used to set a plug to test the production tubing or set a packer, and used with an isolation tool to straddle the y-tool body for bullheading the well or isolating the upper ESP when running dual y-tool ESP completions
- Y-tool used to create a junction between the bypass and the ESP discharge
- Bypass nipple used for setting a blanking plug, wireline plug, coil tubing plug, and a lower profile for the isolation tool used in combination with the top nipple
- Adjustable swivel with 15-inch stroke adjustment for make up to the bypass tubing
- 10ft pump sub for make up to the ESP pump discharge head
- Blanking plug set in the bypass nipple to prevent recirculation through the bypass tubing when running the ESP
- Optional bypass tubing crossover for reducing bypass tubing size.

The parts are torqued, pressure tested and drifted as an assembly, ready for make up to the ESP system on the well site.





Y-Tool Sub Assembly



Features & Benefits

- Fully torqued and tested
- Full material traceability
- Robust construction
- Can be used for single and dual ESP logging bypass systems
- Can also be used for systems with tailpipe below the ESP

Specifications

- Low alloy steel or 13Cr material options to API 5CT
- 5000psi MWP



Y-Tool Sub Assembly

7" Casing Table

7" Casing									
Part Number	Min Casing size	OD (in)	Top Connection	Bypass Connection	Pump Connection	Top Nipple size	Bypass Nipple Size	Material	Comments
7YT-0013	7 32#	5.94	2-7/8" 6.5# EUE	2-1/8" 2.4# F2J	2-7/8" 6.5# EUE	N/A	1.875" D	L80 Type 1	Non-load Bearing Teleswivel
7YT-0033	7 32#	5.94	2-7/8" 6.5# EUE	2-1/8" 2.4# F2J	2-3/8" 4.7# EUE	N/A	2.312" D	L80 Type 1	Non-load Bearing Teleswivel
7YT-0036	7 32#	5.94	2-7/8" 6.5# EUE	2-1/8" 2.4# F2J	2-7/8" 6.5# EUE	2.312" D	1.875" D	L80 Type 1	Non-load Bearing Teleswivel
7YT-0031	7 32#	5.94	2-7/8" 6.4# VAM TOP	2-1/8" 2.4# F2J	2-3/8" 4.7# EUE	2.312" D	1.875" D	13CR	Non-load Bearing Teleswivel
7YT-0030	7 32#	5.94	2-7/8" 6.4# VAM TOP	2-1/8" 2.4# F2J	2-7/8" 6.5# EUE	2.312" D	1.875" D	13CR	Non-load Bearing Teleswivel
7YT-0034	7 32#	5.94	2-7/8" 6.5# EUE	2-3/8" 4.6# F2J	2-3/8" 4.7# EUE	N/A	2.312" D	L80 Type 1	Non-load Bearing Teleswivel
7YT-0015	7 32#	5.94	3-1/2" 9.3# EUE	2-1/8" 2.4# F2J	2-7/8" 6.5# EUE	N/A	1.875" D	13CR	Non-load Bearing Teleswivel
7YT-0017	7 32#	5.94	3-1/2" 9.3# EUE	2-3/8" 4.6# F2J	2-7/8" 6.5# EUE	2.750" D	2.312" D	L80 Type 1	Non-load Bearing Teleswivel (Extended Isolation tool required)
7YT-0024	7 32#	5.94	3-1/2" 9.3# EUE	2-1/8" 2.4# F2J	2-3/8" 4.7# EUE	N/A	1.875" D	L80 Type 1	Non-load Bearing Teleswivel
7YT-0029	7 32#	5.94	3-1/2" 9.3# EUE	2-1/8" 2.4# F2J	2-3/8" 4.7# EUE	2.312" D	1.875" D	L80 Type 1	Non-load Bearing Teleswivel
7YT-0032	7 32#	5.94	3-1/2" 9.3# EUE	2-1/8" 2.4# F2J	2-3/8" 4.7# EUE	2.312" D	1.875" D	13CR	Non-load Bearing Teleswivel
7YT-0035	7 32#	5.94	3-1/2" 9.3# EUE	2-3/8" 4.6# F2J	2-3/8" EUE	2.312" D	1.875" D	13CR	Non-load Bearing Teleswivel (Schlumberger bypass tubing)
7YT-0021	7 32#	5.94	3-1/2" 9.3# EUE	2-3/8" 4.6# PTJ	2-3/8" 4.7# EUE	N/A	2.312" A	13CR	Non-Load bearing Teleswivel (Schlumberger plug and bypass tubing)
7YT-0025	7 32#	5.94	3-1/2" 9.3# EUE	2-3/8" 4.6# PTJ	2-7/8" 6.5# EUE	N/A	2.312" D	13CR	Non-load Bearing Teleswivel (Schlumberger bypass tubing)
7YT-0043	7 32#	5.90	3-1/2" 9.3# EUE	2-3/8" 4.6# F2J	2-7/8" 6.5# EUE	N/A	2.312" D	L80 Type 1	Non-load Bearing Teleswivel
7YT-0038	7 32#	5.90	3-1/2" 9.3# EUE	2-3/8" 4.6# F2J	2-3/8" 4.7# EUE	2.750" D	2.312" D	L80 Type 1	Load Bearing Teleswivel
7YT-0044	7 32#	5.94	3-1/2" 9.3# EUE	2-3/8" 4.6# F2J	2-7/8" 6.5# EUE	2.750" D	2.312" D	L80 Type 1	Load Bearing Teleswivel
7YT-0042	7 26#	6.10	3-1/2" 9.3# EUE	2-3/8" 4.6# F2J	2-3/8" 4.6# EUE	2.812" D	2.750" D	L80 Type 1	Non-load Bearing Teleswivel (Integral bypass nipple)
7YT-0045	7 23#	6.20	3-1/2" 9.2# FOX	2-7/8" 6.4# F2J	2-7/8" 6.4# VAM TOP	2.812" D	2.750" D	L80 Type 1	Load Bearing Teleswivel (Integral bypass nipple)
7YT-0047	7 26#	6.10	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J LB	2-3/8" 4.6# EUE	2.812" D	2.750" D	L80 Type 1	Non-load Bearing Teleswivel (Integral bypass nipple, 2.400" Bypass Special Drift)



Y-Tool Sub Assembly

9-5/8" Casing Table

9-5/8" CASING									
Part Number	Min. Casing size	OD (in)	Top Connection	Bypass Connection	Pump Connection	Top Nipple Size	Bypass Nipple Size	Material	Comments
958YT-0063	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.250" D	2.125" D	13CR	Load Bearing Teleswivel
958YT-0007	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.562" D	2.312" D	13CR	Load Bearing Teleswivel
958YT-0069	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.750" R	2.312" D	L80 Type 1	Non-Load Bearing Teleswivel
958YT-0100-4140	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.750" D	2.312" D	L80 Type 1	Non-Load Bearing Teleswivel
958YT-0100-4140	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.750" D	2.312" D	13CR	Non-Load Bearing Teleswivel
958YT-0012-13CR	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.750" D	2.562" D	13CR	Non-Load Bearing Teleswivel
958YT-0012-4140	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.750" D	2.562" D	13CR	Non-Load Bearing Teleswivel
958YT-0077	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.750" D	2.562" D	13CR	Load Bearing Teleswivel
958YT-0050-13CR	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	N/A	2.750" D	13CR	Non-Load Bearing Teleswivel
958YT-0050-4140	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	N/A	2.750" D	L80 Type 1	Non-Load Bearing Teleswivel
958YT-0062	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	N/A	2.750" D	13CR	Load Bearing Teleswivel
958YT-0026	9-5/8 ALL	8.00	3-1/2" 9.2# VAM TOP	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	N/A	2.750" D	L80 Type 1	Non-Load Bearing Teleswivel
958YT-0020	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.812" D	2.750" D	L80 Type 1	Non-Load Bearing Teleswivel
958YT-0074	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.812" D	2.750" D	L80 Type 1	Load Bearing Teleswivel
958YT-0068	9-5/8 ALL	8.00	3-1/2" 9.3# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.812" F	2.750" D	L80 Type 1	Non-Load Bearing Teleswivel
958YT-0059	9-5/8 58.4#	8.25	3-1/2" 9.3# EUE	3-1/2" 9.2# VAM FJL	2-7/8" 6.5# EUE	N/A	2.812" D	L80 Type 1	Load Bearing Teleswivel
958YT-0046	9-5/8 58.4#	8.25	4-1/2" 12.6# VAM TOP	2-3/8" 4.6# F2J	3-1/2" 9.3# EUE	3.125" D	2.750" D	13CR	Load Bearing Teleswivel
958YT-0044	9-5/8 53.5#	8.30	4-1/2" 12.6# VAM TOP	3-1/2" 9.2# VAM FJL	3-1/2" 9.2# VAM TOP	N/A	2.750" A	13CR	Load Bearing Teleswivel
958YT-0076	9-5/8 58.4#	8.25	4-1/2" 12.6# VAM TOP	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	N/A	2.750" D	L80 Type 1	Load Bearing Teleswivel
958YT-0036	9-5/8 ALL	8.00	4-1/2" 12.75# EUE	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	2.812" D	2.750" D	L80 Type 1	Non-Load Bearing Teleswivel
958YT-0045	9-5/8 47#	8.407	4-1/2" 12.6# VAM TOP	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE PIN	2.812" D	2.750" D	L80 Type 1	Non-Load Bearing Teleswivel
958YT-0116	9-5/8 47#	8.407	4-1/2" 12.6# VAM TOP	2-7/8" 6.4# F2J	3-1/2" 9.2# VAM TOP	2.812" D	2.750" D	L80 Type 1	Load Bearing Teleswivel
958YT-0117	9-5/8 47#	8.407	4-1/2" 12.6# VAM TOP	2-7/8" 6.4# F2J	3-1/2" 9.2# VAM TOP	2.812" D	2.750" D	L80 Type 1	Load Bearing Teleswivel (Short stroke ABC Y-tool)



Y-Tool Sub Assembly

9-5/8" Casing Table (Continued)

9-5/8" CASING									
Part Number	Min. Casing size	OD (in)	Top Connection	Bypass Connection	Pump Connection	Top Nipple Size	Bypass Nipple Size	Material	Comments
958YT-0038	9-5/8 58.4#	8.25	4-1/2" 12.6# VAM TOP	2-7/8" 6.4# F2J	3-1/2" 9.3# EUE	3.125" D	2.750" D	L80 Type 1	Non-Load Bearing Teleswivel
958YT-0071	9-5/8 58.4#	8.25	4-1/2" 12.6# VAM TOP	2-7/8" 6.4# F2J	4-1/2" 12.75# EUE	3.125" D	2.750" D	13CR	Load Bearing Teleswivel
958YT-0029	9-5/8 53.5#	8.30	4-1/2" 12.6# VAM TOP	3-1/2" 9.2# VAM FJL	3-1/2" 9.2# VAM TOP	3.125" A	2.875" A	13CR	Load Bearing Teleswivel (Schlumberger blanking plug)
958YT-0082	9-5/8 53.5#	8.35	4-1/2" 12.6# VAM TOP	4-1/4" 10# F2J	2-7/8" 6.5# EUE	3.812" D	3.812" D	L80 Type 1	Load Bearing Teleswivel (Bypass Nipple Bottom No Go 3.700" ID)
958YT-0118	9-5/8 53.5#	8.35	4-1/2" 12.6# SEAL-LOCK APEX	4-1/4" 10# F2J	2-7/8" 6.5# EUE	3.812" D	3.812" D	L80 Type 1	Load Bearing Teleswivel (Bypass Nipple Bottom No Go 3.700" ID)
958YT-0061	9-5/8 53.5#	8.35	4-1/2" 12.6# VAM TOP	4-1/2" 12.6# VAM FJL	2-7/8" 6.5# EUE	3.812" D	3.812" D	L80 Type 1	Load Bearing Teleswivel (Bypass Nipple Bottom No Go 3.700" ID)

