

**STANDARD ORDER INFORMATION**

SHIPMENT DATE: January 30, 2013  
PRE-SHIP: NONE  
RIG TYPE: SEMISUBMERSIBLE  
INSTALLATION LOCATION: GULF OF MEXICO  
OPERATION LOCATION: N/A  
RELATED CONFIGS: N/A  
SALES ORDER #: 26538  
QUOTE # & REV: 149835 REV 1  
SPARES QUOTE #: TBD  
UNIT #: N/A  
SERIAL #: TBD  
ITEM ID #: TBD

**QUALITY REQUIREMENTS**

CERTIFICATION: NONE  
DATA BOOK: STANDARD

**CONTACT NOTES**

PROJECT MANAGER:  
SYSTEM INTEGRATION:  
CONTRACT ADMINISTRATOR: JOYCE GUILFORD  
RESPONSIBLE ENGINEER: JOHN WALKER  
ELECTRICAL ENGINEER:  
SOFTWARE ENGINEER:  
APPLICATION ENGINEER:

**APPLICATION NOTES:****Bill of Material**

| Item | Quantity | Part Number        | Description                                                      |
|------|----------|--------------------|------------------------------------------------------------------|
| 1    | 1        | D811000557-MAN-001 |                                                                  |
| 2    | 1        | D811002088-DOS-001 | Service Manual, ST-120 Iron Roughneck Manual and Auto Models     |
| 3    | 1        | Rig Specific       | Technical Drawing Package, ST-120 Iron Roughneck Automated Model |
| 4    | 1        | M361005746-SPL-001 | Spare Parts List, Electrical                                     |
| 5    | 1        | D364000170-PRO-001 | Spare Parts List, Mechanical                                     |
| 6    | 1        | D364000171-PRO-001 | Installation Procedure ST-120 Automated Model                    |
| 7    | 1        | D811000719-PRO-001 | Commissioning Procedure ST-120 Automated Model                   |
| 8    | 1        | ASP00019           | Recommended Lubricants and Fluids                                |
| 9    | 1        | DS00008            | Safety Wiring Procedure                                          |
| 10   | 1        | FIP00121           | Design Torque Standard                                           |
| 11   | 1        | D364000049-SPC-001 | Fluid Cleanliness Specification                                  |
| 12   | 1        | D364000326-MAN-001 | Design Specification                                             |
| 13   | 1        | D361003996-MAN-001 | Wireless Controller Manual                                       |
| 14   | 1        | D811001337-DAS-001 | Addendum A, Remote Controlled ST-120 Manual                      |
|      |          |                    | Service Center Directory                                         |



| PART NUMBER           | QTY |      |      | DESCRIPTION                                        |
|-----------------------|-----|------|------|----------------------------------------------------|
|                       | S/O | -001 | -002 |                                                    |
| IRON ROUGHNECK SYSTEM |     |      |      |                                                    |
| M361006072-001        | 1   |      |      | ST-120 AUTO SYSTEM                                 |
| 0487289-001           |     | 1    |      | IRON ROUGHNECK UNIT, AUTO UNIT (M361005750)        |
| 0071528-001           |     | 1    |      | KIT, TONG DIE (M364000403)                         |
| 071537-001            |     | 1    |      | SHIPPING SKID, ST-120 (M364000496)                 |
| 474873-002            |     | 1    |      | PIPE CENTRALIZER ASSEMBLY (M364000704-100)         |
| 71570-001             |     | 1    |      | SERVICE LOOP BRACKET ASSEMBLY, ST-120 (M364000758) |
| 69615-001             |     | 2    |      | ST-120 PLACARD (D811000247-PRO-001)                |
| FLOOR                 |     |      |      |                                                    |
| 509-001               |     | 1    |      | KIT, FLOOR SOCKET, ST-120 (M364000002)             |
| 522-001               |     | 1    |      | SOCKET BASE ASSEMBLY (M364000364-501)              |
| 61-001                |     | 1    |      | SLEW STOP KIT (M364000669)                         |
| E LOOP                |     |      |      |                                                    |
| 8-001                 |     | 1    |      | KIT, SERVICE LOOP, ST-120 (30184501)               |
| 4-011                 |     | 1    |      | SERVICE LOOP, ELECTRICAL (M801001885-025-35-20-6)  |

|                                                  |   |     |  |                                                                        |
|--------------------------------------------------|---|-----|--|------------------------------------------------------------------------|
| <b>DERRICK TERMINATION</b>                       |   |     |  |                                                                        |
| 10472618-007                                     |   | 1   |  | DERRICK TERMINATION ASSEMBLY, ST-120 REMOTE I/O J-BOX (M361003091-006) |
| <b>IRON ROUGHNECK CONTROL SYSTEM</b>             |   |     |  |                                                                        |
| 10659435-001                                     |   | 1   |  | MTC CONTROL CABINET ASSEMBLY                                           |
| <b>ACCESSORIES</b>                               |   |     |  |                                                                        |
| 10088854-001                                     |   | 1   |  | WIRELESS REMOTE DOCKING STATION (M364001150)                           |
| <b>MANUALS, CERTIFICATION, AND DOCUMENTATION</b> |   |     |  |                                                                        |
| 10487279-001                                     | 1 |     |  | USER MANUAL, ST-120 HARD COPY (ELECTRONIC COPY)                        |
| 10392157-998                                     | 1 |     |  | DATA BOOK, (ELECTRONIC COPY)                                           |
| D811002088-DOS-001                               |   | REF |  | TECHNICAL DRAWING PACKAGE, ST-120                                      |
| D811000557-MAN-001                               |   | REF |  | SERVICE MANUAL, ST-120                                                 |
| D364000163-SPC-001                               |   | REF |  | FACTORY ACCEPTANCE TEST                                                |
| M000020606                                       |   | REF |  | SUPPLIER MASTER DOCUMENT LIST                                          |



| PART NUMBER | QTY |      |      | DESCRIPTION |
|-------------|-----|------|------|-------------|
|             | S/O | -001 | -002 |             |

  

| REFERENCE DRAWINGS |  |     |  |                                          |
|--------------------|--|-----|--|------------------------------------------|
| D364000122-GAD-001 |  | REF |  | GENERAL ARRANGEMENT, ST-120              |
| D364000049-SPC-001 |  | REF |  | FUNCTIONAL DESIGN SPECIFICATION, ST-120  |
| D851002163-SCH-001 |  | REF |  | HYDRAULIC SCHEMATIC, ST-120              |
| D364000170-PRO-001 |  | REF |  | FIELD INSTALLATION PROCEDURE             |
| D364000171-PRO-001 |  | REF |  | COMMISSIONING PROCEDURE                  |
| M361005746-SPL-001 |  | REF |  | KIT, MECHANICAL SPARES, ST-120           |
| 10637805-DIA       |  | REF |  | BLOCK DIAGRAM, ST-160                    |
| 10637806-DIA       |  | REF |  | INTERCONNECT DIAGRAM, ST-160             |
| 10637807-IDX       |  | REF |  | CABLE SCHEDULE, TDX-1000                 |
| 10637809-IDX       |  | REF |  | I/O MAP, ST-160                          |
| 10637811-IDX       |  | REF |  | HAZARDOUS AREA INDEX, ST-160             |
| 10637812-DIA       |  | REF |  | NETWORK TOPOLOGY, ST-160                 |
| 10637813-SPL       |  | REF |  | SPARES LIST, ELECTRICAL CONTROLS, ST-160 |



