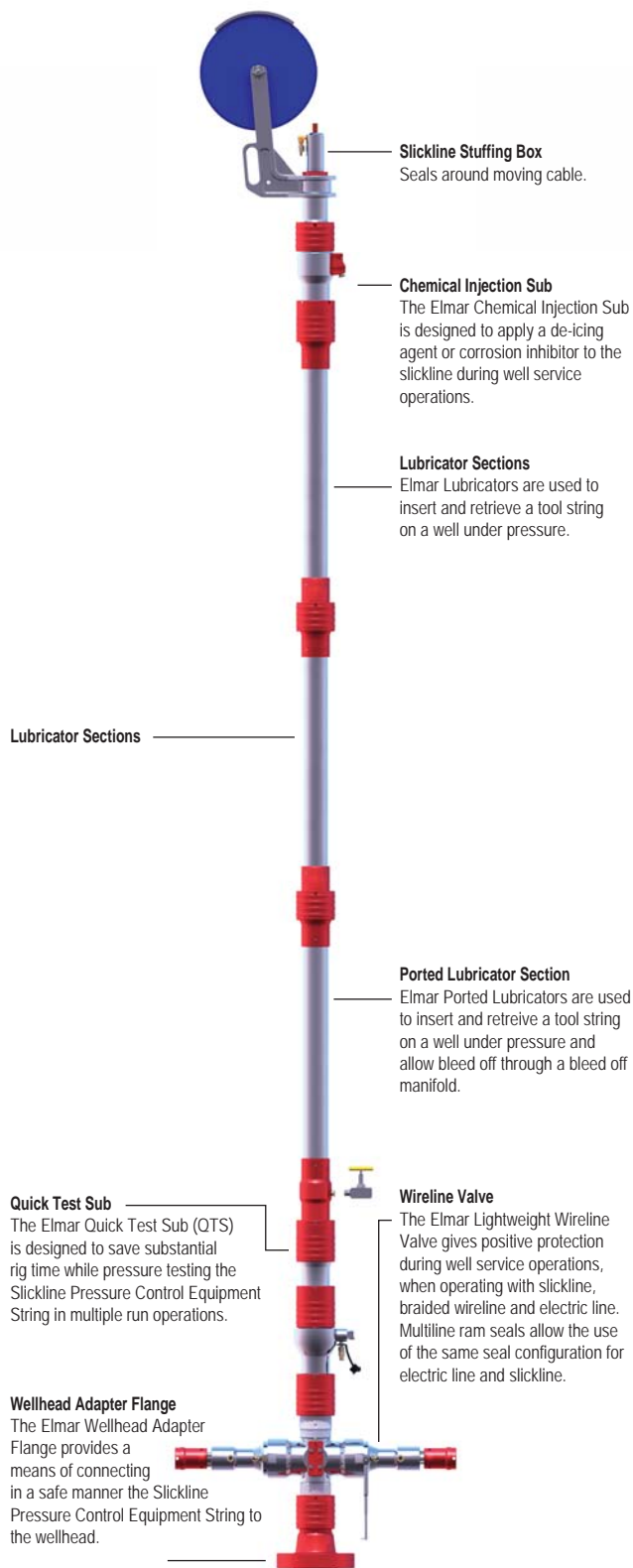


Slickline Pressure Control Equipment String



Elmar design and manufacture pressure control equipment and accessories for slickline and braided cable operations. NOV Elmar Pressure Control Equipment Strings are fully traceable and certified by independent authorities.



Note: For corresponding diagram see next page. Additional equipment available on request.

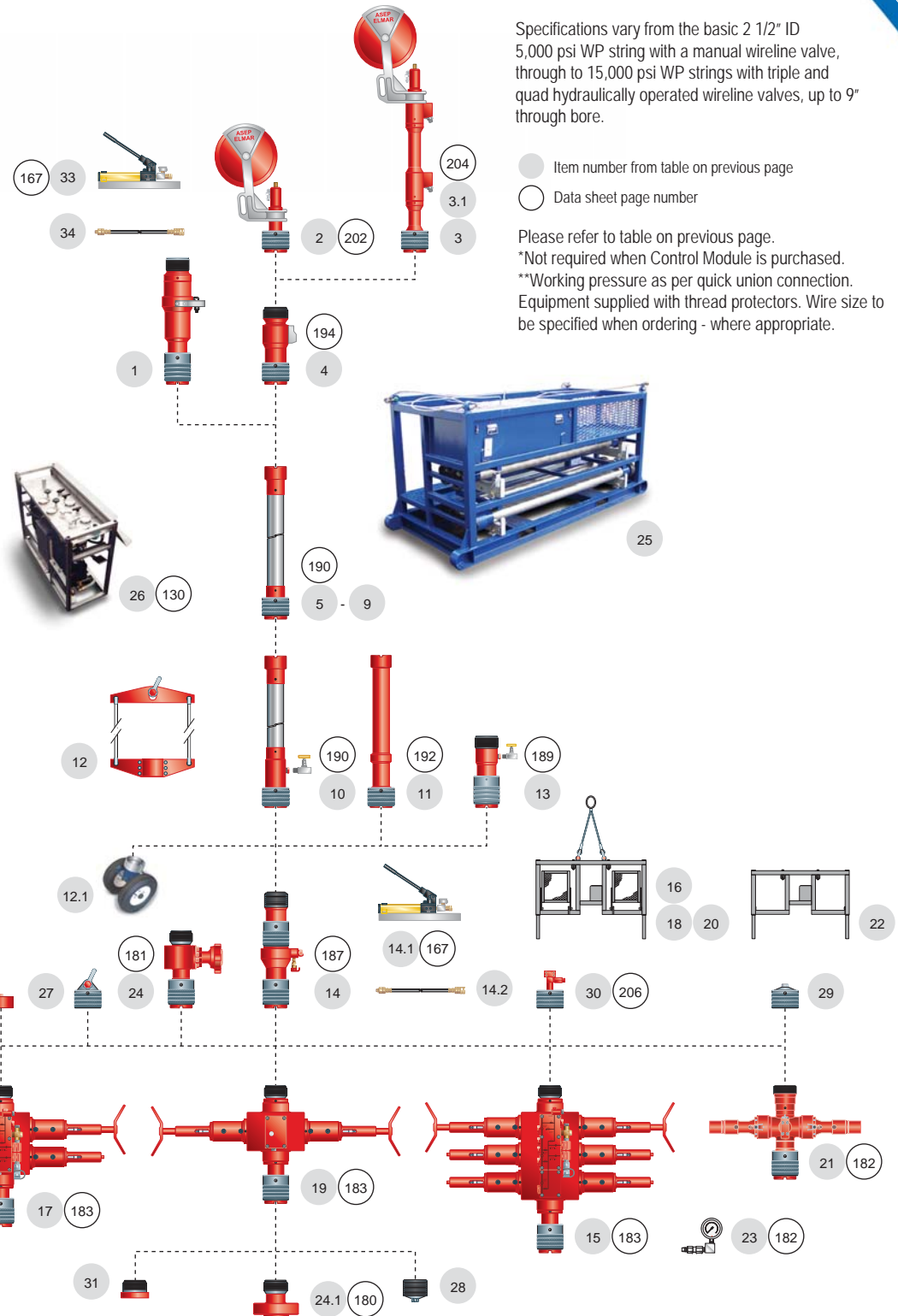
TYPICAL PRESSURE CONTROL EQUIPMENT STRING RIG-UP

| Item | Description |
|------|--|
| 1 | Hydraulic Tool Catcher 1 3/16" fish neck |
| 2 | Hydraulic Stuffing Box with 16" dia wheel 0.108" wire/0.125 wire |
| 3 | Liquid Seal Slickline Control Head Upper SGI Assy 15,000 psi |
| 3.1 | Liquid Seal Slickline Control Head Lower SGI Assy 10,000 psi** |
| 4 | Chemical Injection Sub 0.125" wire |
| 5 | Lightweight Lubricator Section with threaded quick unions, 4ft long |
| 6 | Lightweight Lubricator Section with threaded quick unions, 5ft long |
| 7 | Lightweight Lubricator Section with threaded quick unions, 6ft long |
| 8 | Lightweight Lubricator Section with threaded quick unions, 8ft long |
| 9 | Lightweight Lubricator Section with threaded quick unions, 10ft long |
| 10 | Lubricator Section with ported lower connection (various lengths available on request) |
| 11 | 3" Lubricator Section with integral quick unions (various lengths available on request) |
| 12 | Lubricator Lifting Clamp, Spreader and wire rope slings (Sling length to be specified) |
| 12.1 | Lubricator Dolly with 4 3/4" -4x2thd quick union |
| 13 | Bleed-Off Sub |
| 14 | Quick Test Sub |
| 14.1 | Hand Pump Assembly for Quick Test Sub |
| 14.2 | Hose Assembly 1/4" x 25ft long with quick connections 10,000 PSI W/P |
| 15 | Triple Hydraulic Compact BOP with manifold block |
| 16 | Galvanised Triple BOP Cage |
| 17 | Dual Hydraulic Compact BOP wire with manifold block |
| 18 | Galvanised Dual BOP Cage |
| 19 | Single Hydraulic Compact BOP wire with manifold block |
| 20 | Galvanised Single BOP Cage |
| 21 | Lightweight BOP with manifold block; available in Single, Dual and Triple configurations |
| 22 | Stainless Steel Crash Frame for "Lightweight" BOP configurations |
| 23 | 0-10,000 PSI BOP Manifold Gauge |
| 24 | Pump-In Sub with (1) 2"-1502 side outlet |
| 24.1 | Wellhead Adapter Flange 3 1/16" 10,000LB 6BX BX-154 |
| 25 | Mainframe |
| 26 | Hydraulic Actuator LW/SB/TC/3-BOP * |
| 27 | Lifting Bail |
| 28 | Test Cap |
| 29 | Test Plug and Collar |
| 30 | Safety Flow Diverter Valve and wire clamp |
| 31 | Male Thread Protector (spare) |
| 32 | Female Thread Protector (spare) |
| 33 | Line Wiper, Stuffing Box or Tool Catcher Hand Pump * |
| 34 | Hydraulic Hose 1/4" x 100ft long with quick couplings * |
| 35 | BOP Hand Pump * |
| 36 | Hydraulic Hose 1/4" x 50ft long with quick couplings * |
| 37 | *Y" Hose, BOP Open * |
| 38 | *Y" Hose, BOP Close * |

Typical Slickline Pressure Control Equipment String Rig-up



A full range of slickline pressure control equipment is available, including well head adapters, wireline valves, lubricators, stuffing boxes and other accessories.



Specifications vary from the basic 2 1/2" ID 5,000 psi WP string with a manual wireline valve, through to 15,000 psi WP strings with triple and quad hydraulically operated wireline valves, up to 9" through bore.

- Item number from table on previous page
- Data sheet page number

Please refer to table on previous page.
 *Not required when Control Module is purchased.
 **Working pressure as per quick union connection.
 Equipment supplied with thread protectors. Wire size to be specified when ordering - where appropriate.