



**SPECIFICATION FOR MARINE BREAKAWAY COUPLING FOR CRUDE OIL  
MULTIBOUY 12" FL STRINGS FOR OFFSHORE PIPE LINE**

**GALL THOMSON – OR EQUIV**

|                     |  |
|---------------------|--|
| TYPE OF UNIT        | : 12" NB<br>Coupling Flgd. ANSI 150 lb F.F |
| DESIGN PRESSURE     | : 275 PSIG                                 |
| DESIGN TEMPERATURE  | : -1° - 80° c                              |
| DESIGN CLOSURE TIME | : 7 Seconds @ 25 Ton                       |
| MAX DIAMETER        | : 19" (483 mm)                             |

**BREAK STUD DATA**

|          |                   |
|----------|-------------------|
| MATERIAL | : 6AL 4V Titanium |
|----------|-------------------|

**PRESSURE TESTS**

|                 |            |
|-----------------|------------|
| INTEGRITY TEST  | : 413 PSIG |
| ASSEMBLED STATE | : 225 PSIG |

**MATERIALS**

|                              |  |
|------------------------------|--|
| BODIES WITH INTEGRAL FLANGES | : ASTM A105N   |
| SLEEVE                       | : 304L   |
| PETALS                       | : 17/4 CR. NI. P.H. (STAINLESS STEEL)<br>ASTM A747 CB7CU-1 (H1075 GRADE) |
| TRIM                         | : 316 / NITRONIC 60 STAINLESS  |
| SEALS                        | : MEDIUM NITRILE & VITON   |

