

# Subsea Jumpers, Flowlines & Tie-ins

## for gas service

Production, gas injection, gas lift, gas export

### Standard

API Spec. 17K

### Construction

<b>Bore type</b>	full flow, rough bore
<b>Liner type</b>	H <sub>2</sub> S resistant HNBR or PA
<b>Operating temperature</b>	-30°C to +90°C (-22°F to 194°F)
<b>Max. available length</b>	60m (200ft) up to 8" 30m (100ft) up to 16"

### Features & Comments

- Cathodic protection is available upon request
- Lengths over 60m (200ft) are available in some sizes with splicing technology
- Coupling materials meet NACE MR 01-75 / ISO 15156 latest edition
- Material of the end fittings is either carbon steel or duplex
- Material of the internal carcass is either 316L or 254 SMO
- Easier installation compared to rigid spools as no metrology and onshore fabrication is necessary resulting in less vessel time
- Handling instructions: ContiTech TKO ASO and AS4 latest edition



### Technical Data

Inside Diameter		Type	Rated Working Pressure		Test Pressure		Safety Factor (WP)	Max water depth		Outer Diameter		MBR (static)		MBR (dynamic)		Weight	
mm	in		bar	psi	bar	psi		m	ft	mm	in	m	ft	m	ft	kg/m	lb/ft
53	2.0	Standard	345	5000	514	7500	2.25	195C	6390	148	5.8	0.9	3.0	1.2	3.9	39	26
		Standard c/w st. st. wrap								158	6.2	0.9	3.0	1.2	3.9	44	30
		Standard	517	7500	776	11,250	2.25	325C	10660	143	5.6	1.2	3.9	1.7	5.6	38	26
65	2.5	Standard c/w st. st. wrap								153	6.0	1.2	3.9	1.7	5.6	42	28
		Standard	345	5000	517	7500	2.25	130C	4260	159	6.3	0.9	3.0	1.2	3.9	44	30
		Standard c/w st. st. wrap								171	6.7	0.9	3.0	1.2	3.9	51	34
78	3.0	Standard	517	7500	776	11,250	2.25	225C	7380	155	6.1	1.3	4.3	1.8	5.9	43	29
		Standard c/w st. st. wrap								167	6.6	1.3	4.3	1.8	5.9	49	33
		Standard	345	5000	517	7500	2.25	260C	8530	176	6.9	1.1	3.6	1.5	4.9	54	36
92	3.5	Standard c/w st. st. wrap								188	7.4	1.1	3.6	1.5	4.9	62	42
		Standard	517	7500	776	11,250	2.25	170C	5570	170	6.7	1.4	4.6	1.8	5.9	51	34
		Standard c/w st. st. wrap								182	7.2	1.4	4.6	1.8	5.9	58	39
104	4.0	Standard	345	5000	517	7500	2.25	175C	5740	190	7.5	1.2	3.9	1.7	5.6	60	40
		Standard c/w st. st. wrap								202	8.0	1.2	3.9	1.7	5.6	68	46
		Standard	517	7500	776	11,250	2.25	180C	5900	184	7.2	1.6	5.3	2.1	6.9	57	38
130	5.0	Standard c/w st. st. wrap								196	7.7	1.6	5.3	2.1	6.9	66	44
		Standard	345	5000	517	7500	2.25	175C	5740	202	8.0	1.4	4.6	1.8	5.9	67	45
		Standard c/w st. st. wrap								214	8.4	1.4	4.6	1.8	5.9	75	50
152	6.0	Standard	517	7500	776	11,250	2.25	180C	5900	194	7.6	1.7	5.6	2.2	7.2	61	41
		Standard c/w st. st. wrap								206	8.1	1.7	5.6	2.2	7.2	69	46
		Standard	345	5000	517	7500	2.25	100C	3280	231	9.1	1.5	4.9	2.0	6.6	83	56
178	7.0	Standard c/w st. st. wrap								243	9.6	1.5	4.9	2.0	6.6	92	62
		Standard	345	5000	517	7500	2.25	110C	3600	257	10.1	1.8	5.9	2.4	7.9	96	65
		Standard c/w st. st. wrap								269	10.6	1.8	5.9	2.4	7.9	106	71
207	8.0	Standard	293	4,250	440	6,375	2.25	92C	3010	279	11.0	2.0	6.6	2.7	8.9	101	68
		Standard c/w st. st. wrap								291	11.5	2.0	6.6	2.7	8.9	117	79
		Standard	259	3,750	389	5,625	2.25	60C	1960	311	12.2	2.2	7.2	2.9	9.5	121	81
255	10.0	Standard c/w st. st. wrap								325	12.8	2.2	7.2	2.9	9.5	136	91
		Standard	155	2,250	233	3,375	2.25	28C	910	362	14.3	2.5	8.2	3.3	10.8	146	98
		Standard c/w st. st. wrap								374	14.7	2.5	8.2	3.3	10.8	161	108
303	12.0	Standard	155	2,250	233	3,375	2.25	19C	620	410	16.1	2.7	8.9	3.6	11.8	169	114
		Standard c/w st. st. wrap								421	16.6	2.7	8.9	3.6	11.8	186	125
		Standard	103	1,500	155	2,250	2.25	16C	520	434	17.1	2.9	9.5	3.9	12.8	181	122
327	13.0	Standard c/w st. st. wrap								445	17.5	2.9	9.5	3.9	12.8	199	134
		Standard	86	1,250	129	1,875	2.25	12C	390	457	18.0	3.1	10.2	4.2	13.8	189	127
		Standard c/w st. st. wrap								469	18.5	3.1	10.2	4.2	13.8	196	132