

# Topside Jumpers

## for gas service

Production, gas injection, gas lift, gas export, FLNG high pressure import, FSRU high pressure export

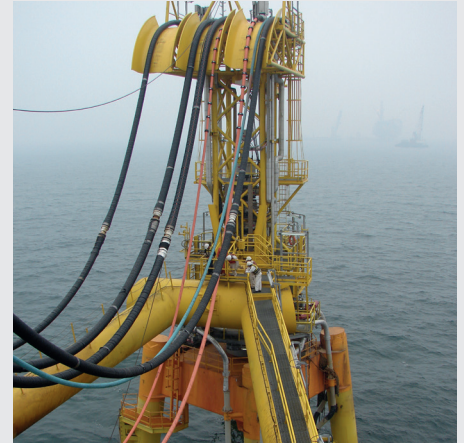
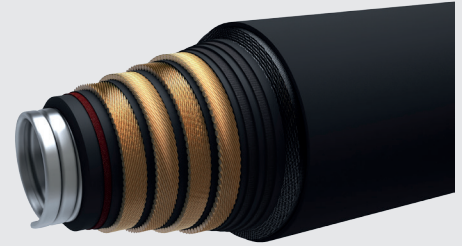
**Standard**  
API Spec. 17K

### 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
- Handling instructions: ContiTech TKO AS0 and AS4 latest edition



### Technical Data

Inside Diameter		Type	Rated Working Pressure		Test Pressure		Safety Factor (WP)	Outer Diameter		MBR (static)		MBR (dynamic)		Weight	
mm	in		bar	psi	bar	psi		mm	in	m	ft	m	ft	kg/m	lb/ft
53	2.0	Fire rated	345	5,000	517	7,500	2.25	168	6.6	10	3.3	14	4.6	49	33
		Fire rated c/w st. st. wrap						174	6.9	10	3.3	14	4.6	55	37
		Fire rated	517	7,500	776	11,250	2.25	163	6.4	13	4.3	18	5.9	47	32
		Fire rated c/w st. st. wrap						174	6.9	13	4.3	18	5.9	53	36
65	2.5	Fire rated	345	5,000	517	7,500	2.25	180	7.1	10	3.2	14	4.6	54	36
		Fire rated c/w st. st. wrap						191	7.5	10	3.3	14	4.6	62	42
		Fire rated	517	7,500	776	11,250	2.25	176	6.9	14	4.6	18	5.9	52	35
		Fire rated c/w st. st. wrap						187	7.4	14	4.6	18	5.9	60	40
78	3.0	Fire rated	345	5,000	517	7,500	2.25	197	7.8	12	3.9	17	5.6	65	44
		Fire rated c/w st. st. wrap						208	8.2	12	3.9	17	5.6	73	49
		Fire rated	517	7,500	776	11,250	2.25	190	7.5	15	4.9	20	6.6	61	41
		Fire rated c/w st. st. wrap						202	8.0	15	4.9	20	6.6	69	46
92	3.5	Fire rated	345	5,000	517	7,500	2.25	211	8.3	14	4.6	18	5.9	72	48
		Fire rated c/w st. st. wrap						222	8.7	14	4.6	18	5.9	81	54
		Fire rated	517	7,500	776	11,250	2.25	204	8.0	17	5.6	2.2	7.2	68	46
		Fire rated c/w st. st. wrap						216	8.5	17	5.6	2.2	7.2	78	52
104	4.0	Fire rated	345	5,000	517	7,500	2.25	223	8.8	15	4.9	2.0	6.6	79	53
		Fire rated c/w st. st. wrap						239	9.4	15	4.9	2.0	6.6	91	61
		Fire rated	517	7,500	776	11,250	2.25	214	8.4	18	5.9	2.3	7.5	73	49
		Fire rated c/w st. st. wrap						226	8.9	18	5.9	2.3	7.5	82	55
130	5.0	Fire rated	345	5,000	517	7,500	2.25	252	9.9	16	5.3	2.1	6.9	97	65
		Fire rated c/w st. st. wrap						269	10.6	16	5.3	2.1	6.9	107	72
152	6.0	Fire rated	345	5,000	518	7,500	2.25	278	10.9	19	6.2	2.6	8.5	112	75
		Fire rated c/w st. st. wrap						291	11.5	19	6.2	2.6	8.5	124	83
178	7.0	Fire rated	293	4,250	440	6,375	2.25	299	11.8	2.2	7.2	2.9	9.5	117	79
		Fire rated c/w st. st. wrap						312	12.3	2.2	7.2	2.9	9.5	135	91
207	8.0	Fire rated	259	3,750	389	5,625	2.25	331	13.0	2.4	7.9	3.2	10.5	139	93
		Fire rated c/w st. st. wrap						346	13.6	2.4	7.9	3.2	10.5	156	105
255	10.0	Fire rated	155	2,250	233	3,375	2.25	383	15.1	2.6	8.5	3.5	11.5	168	113
		Fire rated c/w st. st. wrap						394	15.5	2.6	8.5	3.5	11.5	184	124
303	12.0	Fire rated	155	2,250	233	3,375	2.25	430	16.9	2.8	9.2	3.8	12.5	194	130
		Fire rated c/w st. st. wrap						442	17.4	2.8	9.2	3.8	12.5	212	143
327	13.0	Fire rated	103	1,500	155	2,250	2.25	454	17.9	3.0	9.8	4.1	13.5	207	139
		Fire rated c/w st. st. wrap						466	18.4	3.0	9.8	4.1	13.5	226	152
352	14.0	Fire rated	86	1,250	129	1,875	2.25	477	18.8	3.2	10.5	4.4	14.4	215	145
		Fire rated c/w st. st. wrap						489	19.3	3.2	10.5	4.4	14.4	224	151