

# Topside Jumpers

## for liquid service

Water injection, firewater, oil transfer and other liquid service

**Standard**  
API Spec. 17K

### Construction

**Bore type** full flow, rough bore  
**Liner type** H<sub>2</sub>S resistant HNBR or PA  
**Operating temperature** -30°C to +90°C (-22°F to 194°F)  
**Max. available length** 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	Standard	2.0	517	7500	776	11,250	2.25	148	5.8	0.9	3.0	1.2	3.9	39	26	
								158	6.2	0.9	3.0	1.2	3.9	44	30	
	Fire rated	2.0	517	7500	776	11,250	2.25	168	6.6	1.0	3.3	1.4	4.6	49	33	
								174	6.6	1.0	3.3	1.4	4.6	55	37	
	Standard	2.0	690	10,000	1035	15,000	2.25	165	6.5	1.3	4.3	1.7	5.6	57	38	
								176	6.9	1.3	4.3	1.7	5.6	64	43	
	Fire rated	2.0	690	10,000	1035	15,000	2.25	185	7.3	1.4	4.6	1.8	5.9	67	45	
								197	7.8	1.4	4.6	1.8	5.9	75	50	
	78	Standard	3.0	517	7500	776	11,250	2.25	176	6.9	1.1	3.6	1.5	4.9	54	36
									188	7.4	1.1	3.6	1.5	4.9	62	42
		Fire rated	3.0	517	7500	776	11,250	2.25	197	7.8	1.2	3.9	1.7	5.6	65	44
									208	8.2	1.2	3.9	1.7	5.6	73	49
Standard		3.0	690	10,000	1035	15,000	2.25	193	7.6	1.5	4.9	2.0	6.6	75	50	
								205	8.1	1.5	4.9	2.0	6.6	83	56	
Fire rated		3.0	690	10,000	1035	15,000	2.25	214	8.4	1.6	5.3	2.1	6.9	86	58	
								225	8.9	1.6	5.3	2.1	6.9	95	64	
104		Standard	4.0	517	7500	776	11,250	2.25	202	8.0	1.4	4.6	1.8	5.9	67	45
									214	8.4	1.4	4.6	1.8	5.9	75	50
		Fire rated	4.0	517	7500	776	11,250	2.25	223	8.8	1.5	4.9	2.0	6.6	79	53
									239	9.4	1.5	4.9	2.0	6.6	91	61
	Standard	4.0	690	10,000	1035	15,000	2.25	218	8.6	1.8	5.9	2.4	7.9	89	60	
								229	9.0	1.8	5.9	2.4	7.9	98	66	
	Fire rated	4.0	690	10,000	1035	15,000	2.25	239	9.4	1.9	6.2	2.6	8.5	102	69	
								251	9.9	1.9	6.2	2.6	8.5	112	75	
	130	Standard	5.0	517	7500	776	11,250	2.25	231	9.1	1.5	4.9	2.0	6.6	83	56
									243	9.6	1.5	4.9	2.0	6.6	92	62
		Fire rated	5.0	517	7500	776	11,250	2.25	252	9.9	1.6	5.3	2.1	6.9	97	65
									279	11.0	1.6	5.3	2.1	6.9	107	72
Standard		5.0	517	7500	776	11,250	2.25	257	10.1	1.8	5.9	2.4	7.9	96	65	
								269	10.6	1.8	5.9	2.4	7.9	106	71	
Fire rated		5.0	517	7500	776	11,250	2.25	278	10.9	1.9	6.2	2.6	8.5	112	75	
								289	11.4	1.9	6.2	2.6	8.5	123	83	
207		Standard	8.0	345	5,000	518	7,500	2.25	311	12.2	2.2	7.2	2.9	9.5	121	81
									325	12.8	2.2	7.2	2.9	9.5	136	91
		Fire rated	8.0	345	5,000	518	7,500	2.25	331	13.0	2.4	7.9	3.2	10.5	139	93
									346	13.6	2.4	7.9	3.2	10.5	156	105
	Standard	8.0	241	3,500	362	5,250	2.25	362	14.3	2.5	8.2	3.3	10.8	146	98	
								374	14.7	2.5	8.2	3.3	10.8	161	108	
	Fire rated	8.0	241	3,500	362	5,250	2.25	383	15.1	2.6	8.5	3.5	11.5	168	113	
								394	15.5	2.6	8.5	3.5	11.5	184	124	
	303	Standard	12.0	241	3,500	362	5,250	2.25	410	16.1	2.7	8.9	3.6	11.8	169	114
									421	16.6	2.7	8.9	3.6	11.8	186	125
		Fire rated	12.0	241	3,500	362	5,250	2.25	430	16.9	2.8	9.2	3.8	12.5	194	130
									442	17.4	2.8	9.2	3.8	12.5	212	143

