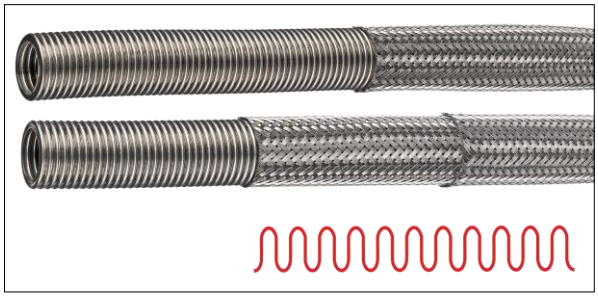
TB-BFLEX1-065	2.1/2”	65	1	65	86,5	27	40	108	300	500	2,65
TB-BFLEX2-065			2		91,0	37	56	148			3,90
TB-BFLEX1-080	3”	80	1	80	100,0	24	36	96	315	525	3,13
TB-BFLEX2-080			2		105,0	34	51	136			4,55
TB-BFLEX1-100	4”	100	1	100	130,0	15	22	60	375	625	4,15
TB-BFLEX2-100			2		136,0	18	27	72			6,05
TB-BFLEX1-125	5”	125	1	125	159,0	14	21	56	450	750	6,40
TB-BFLEX2-125			2		165,0	17	25	68			9,10
TB-BFLEX1-150	6”	150	1	150	183,0	9	14	36	540	900	7,85
TB-BFLEX2-150			2		188,0	14	21	56			11,50
TB-BFLEX1-200	8”	200	1	200	241,0	8	12	32	612	1020	11,20
TB-BFLEX2-200			2		246,0	14	21	56			16,20
TB-BFLEX1-250	10”	250	1	250	290,0	6	9	24	732	1220	15,30
TB-BFLEX2-250			2		295,0	10	15	40			20,80
TB-BFLEX1-300	12”	300	1	300	343,0	5,5	8,2	22	912	1520	14,30
TB-BFLEX2-300			2		351,0	8,2	12,3	33			20,10

* - bend radius measured to the hose centreline



Hose TB-BFLEX1-012 (1/2”) with AISI 316 stainless steel ends: on the left AF12/AF2 (AF2 end with adaptor with 1/2” BSP female thread) and on the right AF1 (1/2” BSPT tapered male thread).

Stainless steel hoses



C-FLEX

Strong industrial steel hose resistant to vibration

Inner layer: corrugated hose made of AISI 321 stainless steel sheet

Reinforcement: single or double AISI 304 steel braid

Working temperature: from -200°C to +700°C (working pressure dependent on temperature)

Strong industrial steel hose made in England, with a smaller bend radius and slightly higher working pressure than the B-FLEX hose. Made of stainless steel, parallel corrugated, with single or double stainless steel braid. It features a profile with **high, very dense corrugations**, providing very good flexibility and vibration resistance. Designed for pressurised transfer of liquids and gases: water, steam, air, hot oil, chemicals. Safety factor 4:1. Can operate under high vacuum conditions. Available in AISI 316 steel on special order. Supplied as ready-made complete lines (hoses) with welded-on ends, according to the customer's order. Ends for steel hoses are shown later in this chapter.

Mechanical line configuration: as per the introduction to this catalogue chapter. **Chemical resistance check:** chemical resistance table for AISI 321 steel (preliminary selection), confirmation of resistance and conditions of use by Tubes International. **Application for steam**: see safety notes in the chapter "Steam hoses". **Line use:** as per the "Installation and operating instructions for pressurised metal hoses" (IU-04, see the introduction to this chapter).

index	size [inch]	DN [mm]	number of braids	diameter inner approximate [mm]	diameter outer [mm]	working working 20°C [bar]	working test 20°C [bar]	working burst 20°C [bar]	bend radius*		weight [kg/m]
									static [mm]	dynamic [mm]	
TB-CFLEX1-006	1/4"	6	1	6	15,0	160	240	640	45	75	0,33
TB-CFLEX2-006			2		17,5	275	412	1100			0,45
TB-CFLEX1-010	3/8”	10	1	10	18,0	138	207	552	54	90	0,48
TB-CFLEX2-010			2		20,5	172	258	690			0,65
TB-CFLEX1-012	1/2"	12	1	12	23,0	103	154	412	60	100	0,60
TB-CFLEX2-012			2		25,5	155	233	620			0,80
TB-CFLEX1-016	5/8”	16	1	16	25,5	65	97	260	69	115	0,75
TB-CFLEX2-016			2		27,5	105	158	420			1,00
TB-CFLEX1-020	3/4"	20	1	20	31,5	62	93	248	69	115	0,75
TB-CFLEX2-020			2		34,5	110	165	440			1,00
TB-CFLEX1-025	1”	25	1	25	37,5	52	78	208	75	125	0,95
TB-CFLEX2-025			2		40,5	90	135	360			1,25
TB-CFLEX1-032	1.1/4”	32	1	32	47,0	42	63	168	90	150	1,40
TB-CFLEX2-032			2		51,0	69	103	276			1,95
TB-CFLEX1-040	1.1/2”	40	1	40	56,5	38	57	152	120	200	1,75
TB-CFLEX2-040			2		60,0	52	78	208			2,45
TB-CFLEX1-050	2”	50	1	50	71,0	34	51	136	165	275	2,45
TB-CFLEX2-050			2		75,0	48	72	192			3,40