

# SINGAFLEX POLYLOCK



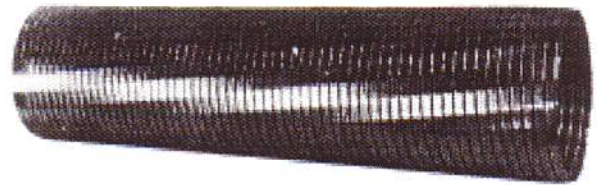


## SINGAFLEX

Polylock metal flexible tubing is constructed from BS 1449 Part 2 Type 304 S 16 Austenitic Stainless Steel by winding profiled metal strip into a tube, the strip edges being completely interfolded. A crimp is introduced into the strip during winding to provide a polygonal cross-section to the finished tubing. This ensures that the diameters remain constant when tubing is cut, unlike plain round section tubes which tend to spring out slightly at one end. It is suitable for temperature up to 600°C.

## POLYLOCK APPLICATION

Singaflex Polylock is well known for its strength, durability and ability to absorb vibration and also both axial and lateral movements. It is suitable for thermal expansion and noise attenuation on engine exhaust systems of vehicles and stationary plant of all kinds, passenger and commercial road transport, ships mechanical handling, stationary generators and etc..



### SINGAFLEX BS 1449 Part 2 TYPE 304 S 16 AUSTENITIC STAINLESS STEEL POLYLOCK

NOMINAL DIAMETER		EXTERNAL DIAMETER	MINIMUM BEND RADIUS		WEIGHT RADIUS		MANUFACTURE LENGTH		CODE
ins	mm	mm	ins	mm	lb/ft	kg/m	m	ft	
1	25.4	29.1	5	125	0.37	0.55	18/20	60/65	3E0.025
	30.0	33.6		145		0.64	18/20	60/65	3E0.030
1.1/4	31.8	35.4	6.1/4	160	0.44	0.65	18/20	60/65	3E0.031
	32.0	35.6		165		0.68	18/20	60/65	3E0.032
	35.0	38.7		165		0.75	18/20	60/65	3E0.035
1.1/2	38.1	41.9	7	180	0.53	0.79	18/20	60/65	3E0.038
	40.0	43.8		185		0.85	18/20	60/65	3E0.040
1.5/8	41.3	45.1	7.1/2	180	0.59	0.88	18/20	60/65	3E0.042
1.3/4	44.5	48.4	8	205	0.64	0.95	13/15	42/49	3E0.044
	45.0	48.9		205		0.96	13/15	42/49	3E0.045
	50.0	54		225		1.06	11/12	36/39	3E0.050
2	50.8	54.8		225	0.73	1.09	11/12	36/39	3E0.051
	55.0	59.1		245		1.17	11/12	36/39	3E0.055
	60.0	63.8		290		1.29	9/10	29/32	3E0.060
2.1/2	69.5	67.3	12	305	0.91	1.36	9/10	29/32	3E0.064
	65.0	68.8		310		1.40	9/10	29/32	3E0.065
	70.0	73.9		330		1.50	9/10	29/32	3E0.070
2.3/4	70.5	74	13	330	1.03	1.54	9/10	29/32	3E0.071
	75.0	78.9		350		1.60	9/10	29/32	3E0.075
3	76.2	80.2	14	350	1.09	1.63	9/10	29/32	3E0.076
	80.0	84		370		1.70	9/10	29/32	3E0.080
3.1/2	89.5	93.3	16	415	1.28	1.90	9/10	29/32	3E0.089
	90.0	93.8		415		1.92	9/10	29/32	3E0.090
	100.0	104.7		490		2.20	9/10	29/32	3E0.100
4	102.2	106.8	19	490	1.50	2.23	9/10	29/32	3E0.102
	110.0	114.8		535		2.40	9/10	29/32	3E0.110
4.1/2	114.5	119.2	22	560	1.68	2.50	9/10	29/32	3E0.115
	120.0	124.8		575		2.63	9/10	29/32	3E0.120
	125.0	129.8		600		2.73	9/10	29/32	3E0.125
5	127.5	132.2	24	625	1.86	2.77	9/10	29/32	3E0.127
	130.0	134.8		660		2.84	9/10	29/32	3E0.130
	140.0	144.9		700		3.06	9/10	29/32	3E0.140
	150.0	155		700		3.26	9/10	29/32	3E0.150
6	152.4	157.4	28	700	2.23	3.33	9/10	29/32	3E0.152