

## Easyflex Convoluted PTFE

Easyflex has a true I/D and eliminates the need to de-convolute the hose when using standard hydraulic inserts. Used in applications where constant flexing, high temperatures or chemical resistance is paramount, the Easyflex hose offers a cost effective solution over the full life of the hose.

### Properties

**Application** – Used globally in low to medium pressure premium applications that require more flexibility or tighter bend radius whilst still requiring the high temperature and impeccable chemical resistance of the standard PTFE hose.

Easyflex is a helically convoluted PTFE tube with high tensile stainless steel 304 braid and high tensile 304 maypole wound stainless steel outer layer.

Minimum working pressure -60°C with a maximum working pressure of +260°C.

Maximum working pressures (MWP) listed are calculated on the basis of a 3:1 safety factor relative to the burst pressure, so Burst Pressure = 3 x MWP. If the MWP is required based on a 4:1 safety factor (e.g. EN16643 requirement), multiply the listed value by 0.75.



PART NUMBER	DESCRIPTION	TUBE WALL THICKNESS NOM.		BRAIDED OD NOMINAL		TOLERANCE +/-		BRAIDED ID NOMINAL		TOLERANCE +/-		MAX WORKING PRESSURE		MIN. BURST PRESSURE		MN. BEND RADIUS	
		MM	IN	MM	IN	MM	IN	MM	IN	MM	IN	PSI	BAR	PSI	BAR	MM	IN
TCEV7.1B01	1/4" EASYFLEX	0.76	0.030	12.30	0.484	0.50	0.020	7.10	0.280	0.50	0.020	2500	172	7500	517	18	0.709
TCEV9.5B01	3/8" EASYFLEX	0.76	0.030	14.75	0.600	0.60	0.024	9.50	0.374	0.60	0.024	2000	138	6000	414	20	0.787
TCEV12.8B01	1/2" EASYFLEX	0.89	0.035	18.80	0.740	0.60	0.024	12.83	0.505	0.60	0.024	1500	103	4500	310	25	0.984
TCEV15.9B01	5/8" EASYFLEX	0.89	0.035	22.10	0.870	0.60	0.024	15.88	0.625	0.60	0.024	1200	83	3600	248	51	2.008
TCEV19.0B01	3/4" EASYFLEX	0.89	0.035	24.65	0.970	0.70	0.028	19.05	0.750	0.70	0.028	1000	69	3000	207	64	2.52
TCEV22.4B01	7/8" EASYFLEX	0.89	0.035	28.70	1.130	0.80	0.031	22.35	0.880	0.80	0.031	830	57	2500	172	76	2.992
TCEV25.5B01	1" EASYFLEX	1.02	0.040	32.77	1.290	0.80	0.031	25.40	1.000	0.80	0.031	667	46	2000	138	89	3.504
TCEV32.2B01	1 1/4" EASYFLEX	1.02	0.040	40.72	1.603	0.80	0.031	32.20	1.268	0.80	0.031	500	34	1500	103	127	5
TCEV38.1B01	1 1/2" EASYFLEX	1.12	0.044	48.25	1.900	0.80	0.031	38.10	1.500	0.80	0.031	435	30	1305	90	152	5.984
TCEV50.4B01	2" EASYFLEX	1.20	0.047	61.50	2.421	0.80	0.031	51.40	2.024	0.80	0.031	333	23	1000	69	200	7.874