

Hyperline AU

Hyperline AU consists of a PTFE liner that has convoluted internal and external surfaces.

- Hyperline AU consists of a PTFE liner that is fully convoluted internally and externally
- Exceptional flexibility
- Light weight
- Developed for the motorsport industry



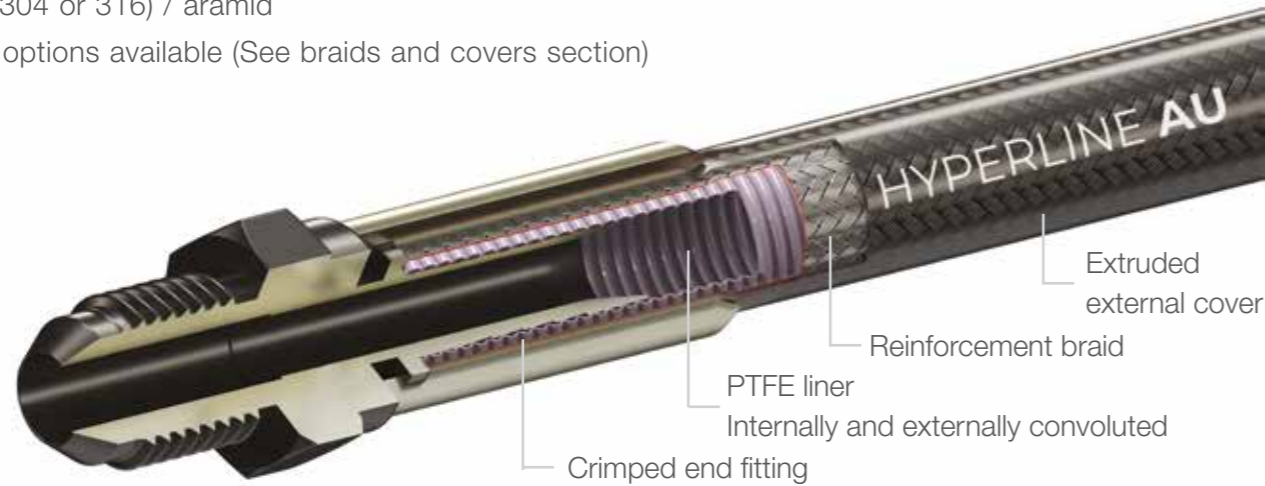
Hyperline AU construction

Design variations

Liner: AS or natural (ASTM D4895)

Braids:SS (304 or 316) / aramid

Covers: All options available (See braids and covers section)



Hyperline AU Properties

Hyperline AU can be used at a centreline bend radius 1 ½ times the hose bore diameter. The resistance to flex fatigue failure is equally excellent offering new design options in a variety of hose applications where very tight bend or rapid flexing are required

Hyperline AU has been developed to be flexible, robust with high pressure rating. This has been achieved without compromising on the weight per meter. Hyperline AU is one of the lightest convoluted hoses available.

Hyperline AU

Hose size		Actual bore size		**Hose construction	Outside diameter of tube or braid		Minimum bend radius		Maximum working pressure		Burst pressure		Weight per unit length		*Part number
in	Dash size	in	mm		in	mm	in	mm	Bar	Psi	Bar	Psi	kg/m	lb/ft	
¼	4	0.28	7.1	TO	0.390 - 0.410	9.91 - 10.41	¾	19	4.5	65	18	260	0.044	0.03	72-100-04
				SS	0.427 - 0.453	10.85 - 11.51	¾	19	70	1025	280	4,100	0.089	0.06	72-100-04-01-02
				AM	0.430 - 0.456	10.92 - 11.58	¾	19	70	1025	280	4,100	0.075	0.05	72-100-04-01-55-01
⅜	6	0.374	9.5	TO	0.507 - 0.530	12.88 - 13.46	1	25	2.5	36	10	144	0.076	0.05	72-100-06
				SS	0.537 - 0.563	13.64 - 14.30	1	25	65	940	260	3,760	0.134	0.09	72-100-06-01-02
				AM	0.546 - 0.576	13.87 - 14.63	1	25	65	940	260	3,760	0.089	0.06	72-100-06-01-55-01
½	8	0.524	13.3	TO	0.695 - 0.720	17.65 - 18.29	1	25	2.5	36	10	144	0.118	0.8	72-100-08
				SS	0.735 - 0.765	18.67 - 19.43	1	25	58	850	232	3,400	0.193	0.13	72-100-08-01-02
				AM	0.742 - 0.772	18.85 - 19.61	1	25	58	850	232	3,400	0.154	0.09	72-100-08-01-55-01
⅝	10	0.630	16	TO	0.828 - 0.872	19.94 - 20.57	1 ¼	32	2	30	8	120	0.148	0.1	72-100-10
				SS	0.874 - 0.914	20.90 - 21.77	1 ¼	32	50	735	200	2,940	0.253	0.17	72-100-10-01-02
				AM	0.872 - 0.918	21.06 - 21.92	1 ¼	32	50	735	200	2,940	0.164	0.11	72-100-10-01-55-01
¾	12	0.768	19.5	TO	1.135 - 1.185	23.88 - 24.65	1 ½	40	2	30	8	120	0.174	0.12	72-100-126
				SS	1.179 - 1.229	24.97 - 25.83	1 ½	40	35	510	140	2,040	0.327	0.22	72-100-12-01-02
				AM	1.190 - 1.249	25.17 - 26.01	1 ½	40	35	510	140	2,040	0.193	0.13	72-100-12-01-55-01
1	16	1	25.4	TO	1.395 - 1.455	28.58 - 32.13	1 ½	40	1.5	22	6	88	0.29	0.11	72-100-16
				SS	1.445 - 1.495	32.28 - 33.60	1 ½	40	33	485	132	1,940	0.446	0.3	72-100-16-01-02
				AM	1.403 - 1.471	32.05 - 33.60	1 ½	40	33	485	132	1,940	0.237	0.16	72-100-16-01-55-01
1 ¼	20	1.250	32	TO	1.135 - 1.185	35.43 - 36.96	4	75	1	15	4	60	0.342	0.229	72-100-20
				SS	1.179 - 1.229	36.70 - 37.97	3	75	25	367	100	1,468	0.729	0.489	72-100-20-01-02
				AM	1.190 - 1.249	36.64 - 37.36	3	75	25	367	100	1,468	0.461	0.031	72-100-20-01-55-01

* For anti-static grade, add 10 to the 3-digit part number e.g. 72-100- becomes 72-110-

**Hose construction - (TO) tube only, (SS) stainless steel, (AM) aramid

Temperature and pressures

Hyperline AU TO Grades - The MWP listed above applies up to a maximum temperature of 100 °C (212 °F).

Hyperline AU SS Grades - The MWP listed above should be reduced by 1% for each 1°C above 130 °C up to a maximum of 230 °C (1% for each 1.8 °F above 266 °F up to a maximum of 450 °F).

Hyperline AU AM Grades - The MWP listed should be reduced by 5% for each 1°C above 80°C up to a maximum of 100 °C (5% for each 1.8 °F above 176 °F to 212 °F)