

Kynar braid (KYB) grade hoses



Corroflon

Features and benefits

- Natural or anti-static patented PTFE liner
- The shallow convoluted liner design delivers exceptional flexibility while minimising restriction in flow rate
- Vacuum and kink resistant
- High temperature and pressure capability
- Chemical resistant
- PTFE lined and non-lined end fittings
- Range of braid, cover and external protection options available



Kynar braid (KYB) grade hoses performance

Nominal hose bore size		Bore inside convolutions		Corroflon grade (braid & cover)	Maximum working pressure of hose		Burst pressure		Minimum bend radius	
in	mm	in	mm		bar	psi	bar	psi	in	mm
1/2	15	0.440	11.2	TO	6	87	24	350	1 1/2	38
				SS	41	595	450	6,525	1 1/2	38
				PB	31	450	150	2,175	1 1/2	38
				SS, RC/FP	41	595	450	6,525	2 1/4	57
				RC, SI	41	595	450	6,525	2 1/4	57
				KYB	15	215	61.5	890	1 1/2	38
3/4	20	0.620	15.7	TO	5	70	20	290	2	51
				SS	35	505	240	3,480	2	51
				PB	26	375	105	1,520	2	51
				SS, RC/FP	35	505	240	3,480	3	76
				RC, SI	35	505	240	3,480	3	76
				KYB	13	190	52.5	760	2	51
1	25	0.847	21.5	TO	4.5	65	18	260	2 1/4	70
				SS	31	450	200	2,900	2 1/4	70
				PB	23	334	93	1,350	2 1/4	70
				SS, RC/FP	31	450	200	2,900	4 1/4	105
				RC, SI	31	450	200	2,900	4 1/4	105
				KYB	11	160	46.5	675	2 1/4	70
1 1/4	32	1.080	27.5	TO	4	58	16	230	3 1/4	82
				SS	27	390	180	2,610	3 1/4	82
				PB	20	290	81	1,175	3 1/4	82
				SS, RC/FP	27	390	180	2,610	4 1/4	123
				RC, SI	27	390	180	2,610	4 1/4	123
				KYB	10	145	40.5	585	3 1/4	82
1 1/2	40	1.250	32.0	TO	3.5	50	14	205	4	100
				SS	23	335	120	1,740	4	100
				PB	17	245	69	1,000	4	100
				SS, RC/FP	23	335	120	1,740	6	150
				RC, SI	23	335	120	1,740	6	150
				KYB	9	130	34.5	500	4	100
2	50	1.690	43.0	TO	3	44	12	175	5 1/2	140
				SS	20	290	100	1,450	5 1/2	140
				PB	15	215	60	870	5 1/2	140
				SS, RC/FP	20	290	100	1,450	8 1/2	210
				RC, SI	20	290	100	1,450	8 1/2	210
				KYB	8	115	30	435	5 1/2	140
2 1/2	65	2.120	54.0	TO	2.5	36	10	145	7	178
				SS	16	230	70	1,015	7	178
				PB	12	175	48	695	7	178
				SS, RC/FP	16	230	70	1,015	10 1/2	267
				RC, SI	16	230	70	1,015	10 1/2	267
				KYB	6	87	24	350	7	178
3	80	2.500	64.0	TO	2	29	8	115	9	230
				SS	14	205	60	870	9	230
				PB	10	145	42	610	9	230
				SS, RC/FP	14	205	60	870	13 1/2	345
				RC, SI	14	205	60	870	13 1/2	345
				KYB	5	73	21	305	9	230
4	100	3.860	98.0	TO	1.5	22	6	87	11 1/2	300
				SS	10	145	40	580	11 1/2	300
				PB	8	115	30	435	11 1/2	300
				SS, RC/FP	10	145	40	580	17 1/2	450
				RC, SI	10	145	40	580	17 1/2	450
				KYB	-	-	-	-	-	-
6	150	5.250	130.0	TO	0.75	11	3	44	23 1/4	600
				SS	5	73	20	290	23 3/4	600
				PB	-	-	-	-	-	-
				SS, RC/FP	5	73	20	290	35 1/2	900
				RC, SI	5	73	20	290	35 1/2	900
				KYB	-	-	-	-	-	-

TO = Tube only, SS = Stainless steel braid, PB = Polypropylene braid, SS,RC/FP = Fireproof rubber cover, RC = EPDM rubber cover, SI = Silicone rubber cover, KYB = Kynar braid

Technical specifications

	Kynar braid (KYB) grade hoses
Nominal bore size	15 - 80 mm
Nominal bore size	0.5 - 3 in
Actual bore size	11.2 - 64 mm
Actual bore size	0.44 - 2.5 in
Outside diameter	19.3 - 86.2 mm
Outside diameter	0.76 - 3.39 in
Max. operating pressure	15 bar
Max. operating pressure	215 psi
Burst pressure	21 - 61.5 bar
Burst pressure	305 - 890 psi
Certification	(EU) 10/2011, 3.1 Traceability, ATEX, EN16643:2016, FDA (materials), ISO 14001:2015, ISO 9001:2015, OHSAS 18001:2015
Operating temperature range	-40 °C to 120 °C
Operating temperature range	-40 °F to 248 °F
Bend radius	38 - 230 mm
Bend radius	1.5 - 9 in
Braid	Kynar
Cover	None
Hose external protection options	Protection coil, Safeguard, Scuff rings
End fitting	90° elbow fittings, BSP and NPT threaded fittings, CAM and groove fittings, DIN 11851 fittings, JIC fittings, PTFE dip pipe fittings, Sanitary triclamp fittings, SMS and RJT fittings, Swivel flange fittings
Labelling options	Colour coding, Standard
Vacuum resistance	Vacuum resistant to -0.9 bar up to 150 °C (302 °F)

Materials of construction

	Kynar braid (KYB) grade hoses
Helical wire	Stainless steel
Liner tube	Antistatic PTFE, Natural PTFE
Wire braid	Kynar
Fitting liner	PTFE

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