

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 minimizing 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



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 |
| 1/2 | 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 1/2 | 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 to 120 °C |
| Operating temperature range | -40 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 | Color coding, Standard |
| Vacuum resistance | Vacuum resistant to -0.9bar up to 150C (302F) |

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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