



Lightweight, kink-resistant hardwall hose for suction and discharge service for petroleum products



For your toughest applications, turn to Royalflex.

Like no other, Royalflex hose from Eaton is a breed of its own. This hose is different because the tube and cover are homogeneous. This means that the hose has no layers that could separate; the inner tube, helical wire reinforcement, and outer cover are all bonded together through an extrusion process to provide one single durable layer of thermoplastic vinyl nitrile material providing the ultimate hose for applications requiring a very durable abrasion resistant cover. In addition, Royalflex hose also has more turns of helical wire reinforcement per inch compared to traditional transfer hose, making it more crush and kink resistant providing the most durable hose in the market used in some of the most abusive applications.

Eaton is stocking 50', 60', 100', and 120' single piece lengths. If you require a length different than our normal stocked hose, please contact us and we will provide the length you need.

Whether the hose will be used in agricultural, construction, mining, waste hauling/treatment or petroleum/petrochemical applications, Royalflex is made to meet the challenge.

Features

- Thermoplastic vinyl nitrile (H1196), Nitrile (H-1193) homogeneous tube and cover
- More turns of helical wire per inch
- Higher working pressure
- Lightweight
- Long lengths
- Retains flexibility and vacuum characteristics from -20 to +180°F (-29 to +82°C)

Benefits

- Separation problems are virtually eliminated
- More crush and kink-resistant
- Up to 300 psi applications depending on size
- Economical; longer lengths eliminate need for additional couplings
- Handles a wide range of applications



Powering Business Worldwide

H1193

Eaton® Royalflex Heavy Duty Petroleum



| Product Name | Nominal I.D. | | Nominal O.D. | | Approximate Weight W/O Fittings | | Maximum Working Press. | | Minimum Bend Radius | | Standard Length (ft) |
|--------------|--------------|--------|--------------|--------|---------------------------------|--------|------------------------|-------|---------------------|------|----------------------|
| | (in) | (mm) | (in) | (mm) | (lb/ft) | (kg/m) | (psi) | (bar) | (in) | (mm) | |
| H119324* | 1-1/2 | 38.10 | 2 | 50.80 | 0.81 | 1.191 | 300 | 20.68 | 6 | 152 | 50 |
| H119324-60 | | | | | | | | | | | 60 |
| H119324-100 | | | | | | | | | | | 100 |
| H119324-120 | | | | | | | | | | | 120 |
| H119332* | 2 | 50.80 | 2-1/2 | 63.50 | 1.09 | 1.652 | 300 | 20.68 | 8 | 203 | 50 |
| H119332-60 | | | | | | | | | | | 60 |
| H119332-100 | | | | | | | | | | | 100 |
| H119332-120 | | | | | | | | | | | 120 |
| H119340* | 2-1/2 | 63.50 | 3 | 76.20 | 1.32 | 1.994 | 300 | 20.68 | 10 | 254 | 50 |
| H119340-60 | | | | | | | | | | | 60 |
| H119340-100 | | | | | | | | | | | 100 |
| H119340-120 | | | | | | | | | | | 120 |
| H119348* | 3 | 76.20 | 3-1/2 | 88.90 | 1.94 | 2.992 | 250 | 17.24 | 12 | 305 | 50 |
| H119348-60 | | | | | | | | | | | 60 |
| H119348-100 | | | | | | | | | | | 100 |
| H119348-120 | | | | | | | | | | | 120 |
| H119364* | 4 | 102.00 | 4-1/2 | 115.90 | 2.72 | 4.084 | 200 | 13.79 | 16 | 406 | 50 |
| H119364-60 | | | | | | | | | | | 60 |
| H119364-100 | | | | | | | | | | | 100 |
| H119364-120 | | | | | | | | | | | 120 |

* MTO - Made to Order - Contact Eaton at 800-833-3837 for availability, minimum run quantity, and ordering information.

H1196

Eaton® Royalflex Suction and Discharge



| Product Name | Nominal I.D. | | Nominal O.D. | | Approximate Weight W/O Fittings | | Maximum Working Press. | | Minimum Bend Radius | | Standard Length (ft) |
|--------------|--------------|--------|--------------|--------|---------------------------------|--------|------------------------|-------|---------------------|------|----------------------|
| | (in) | (mm) | (in) | (mm) | (lb/ft) | (kg/m) | (psi) | (bar) | (in) | (mm) | |
| H119624 | 1-1/2 | 38.10 | 2 | 50.80 | 0.80 | 1.191 | 300 | 20.68 | 6 | 152 | 50 |
| H119624-60 | | | | | | | | | | | 60 |
| H119624-100 | | | | | | | | | | | 100 |
| H119624-120 | | | | | | | | | | | 120 |
| H119632 | 2 | 50.80 | 2-1/2 | 63.50 | 1.10 | 1.652 | 300 | 20.68 | 8 | 203 | 50 |
| H119632-60 | | | | | | | | | | | 60 |
| H119632-100 | | | | | | | | | | | 100 |
| H119632-120 | | | | | | | | | | | 120 |
| H119640 | 2-1/2 | 63.50 | 3 | 76.20 | 1.34 | 1.994 | 300 | 20.68 | 10 | 254 | 50 |
| H119640-60 | | | | | | | | | | | 60 |
| H119640-100 | | | | | | | | | | | 100 |
| H119640-120 | | | | | | | | | | | 120 |
| H119648 | 3 | 76.20 | 3-1/2 | 88.90 | 2.00 | 2.992 | 250 | 17.24 | 12 | 305 | 50 |
| H119648-60 | | | | | | | | | | | 60 |
| H119648-100 | | | | | | | | | | | 100 |
| H119648-120 | | | | | | | | | | | 120 |
| H119664 | 4 | 102.00 | 4-1/2 | 114.30 | 2.72 | 4.084 | 200 | 13.79 | 16 | 406 | 50 |
| H119664-60 | | | | | | | | | | | 60 |
| H119664-100 | | | | | | | | | | | 100 |
| H119664-120 | | | | | | | | | | | 120 |

Note: Longer lengths available upon request. Contact Eaton at 1-800-833-3837.

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