

## 3.2 Hose overview

### Black Eagle Light

| #           | ID      |         | OD      | Max. working pressure | Min. burst pressure | Min. bend radius | Max. length | Weight      | Ultimate collapse pressure |
|-------------|---------|---------|---------|-----------------------|---------------------|------------------|-------------|-------------|----------------------------|
|             | size DN | inch mm | inch mm | psi MPa               | psi MPa             | inch mm          | ft m        | lbs/ft kg/m | psi MPa                    |
| 2240N-32V10 | -32     | 2       | 2.70    | 3,000                 | 12,000              | 19.7             | 3,281       | 2.96        | 550                        |
|             | 50      | 51      | 68.5    | 20.7                  | 82.7                | 500              | 1000        | 4.40        | 3.8                        |
| 2248N-32V10 | -32     | 2       | 2.70    | 5,000                 | 12,500              | 19.7             | 3,281       | 2.96        | 550                        |
|             | 50      | 51      | 68.5    | 34.5                  | 86.2                | 500              | 1000        | 4.40        | 3.8                        |
| 2449N-32V10 | -32     | 2       | 2.89    | 8,000                 | 20,000              | 25.6             | 3,281       | 5.14        | 710                        |
|             | 50      | 51      | 73.5    | 55.2                  | 138.0               | 650              | 1000        | 7.65        | 4.9                        |

### Black Eagle

|                 | size DN | inch mm | inch mm | psi MPa | psi MPa | inch mm | ft m  | lbs/ft kg/m | psi MPa |
|-----------------|---------|---------|---------|---------|---------|---------|-------|-------------|---------|
| 2440N-20V80     | -20     | 1 1/4   | 2.19    | 10,000  | 25,000  | 15.8    | 4,921 | 2.55        | 870     |
|                 | 32      | 32.2    | 55.5    | 69.0    | 172.5   | 400     | 1500  | 3.80        | 6.0     |
| 2640N-24V80     | -24     | 1 1/2   | 2.78    | 10,000  | 33,350  | 19.7    | 3,281 | 4.84        | 950     |
|                 | 40      | 38.0    | 70.5    | 69.0    | 230.0   | 500     | 1000  | 7.20        | 6.5     |
| 2640N-24V80-15K | -24     | 1 1/2   | 2.60    | 15,000  | 33,750  | 19.7    | 3,281 | 4.37        | 957     |
|                 | 40      | 38.0    | 66.0    | 103.5   | 233.0   | 500     | 1000  | 6.50        | 6.6     |
| 2448N-32V80     | -32     | 2       | 3.17    | 5,000   | 20,000  | 19.7    | 4,593 | 5.71        | 710     |
|                 | 50      | 50.5    | 80.5    | 34.5    | 138.0   | 500     | 1400  | 8.50        | 4.9     |
| 2580N-32V80     | -32     | 2       | 3.33    | 10,000  | 25,000  | 31.5    | 4,593 | 6.32        | 826     |
|                 | 50      | 50.5    | 84.5    | 69.0    | 172.5   | 800     | 1400  | 9.40        | 5.7     |
| 2648N-32V80     | -32     | 2       | 3.39    | 15,000  | 33,750  | 31.5    | 4,101 | 8.13        | 870     |
|                 | 50      | 50.5    | 86.0    | 103.5   | 233.0   | 800     | 1250  | 12.10       | 6.0     |
| 2240N-48V80     | -48     | 3       | 4.49    | 5,000   | 12,500  | 40.0    | 1,148 | 7.73        | 290     |
|                 | 78      | 75.0    | 114.0   | 34.5    | 86.2    | 1000    | 350   | 11.50       | 2.0     |
| 2440N-48V80     | -48     | 3       | 4.80    | 10,000  | 20,000  | 43.3    | 984   | 12.57       | 957     |
|                 | 78      | 75.0    | 122.0   | 69.0    | 138.0   | 1100    | 300   | 18.70       | 6.6     |
| 2640N-48V80     | -48     | 3       | 5.12    | 15,000  | 33,750  | 47.2    | 820   | 18.48       | 1,160   |
|                 | 78      | 75.0    | 130.0   | 103.5   | 233.0   | 1200    | 250   | 27.50       | 8.0     |

### Golden Eagle

|             | size DN | inch mm | inch mm | psi MPa | psi MPa | inch mm | ft m  | lbs/ft kg/m | psi MPa |
|-------------|---------|---------|---------|---------|---------|---------|-------|-------------|---------|
| 2640M-24V88 | -24     | 1 1/2   | 2.78    | 10,000  | 33,350  | 19.7    | 1,970 | 4.84        | 950     |
|             | 40      | 38.0    | 70.5    | 69.0    | 230.0   | 500     | 600   | 7.20        | 6.5     |
| 2448M-32V88 | -32     | 2       | 3.23    | 5,000   | 20,000  | 19.7    | 1,970 | 5.71        | 710     |
|             | 50      | 50.5    | 82.0    | 34.5    | 138.0   | 500     | 600   | 8.50        | 4.9     |
| 2580M-32V88 | -32     | 2       | 3.33    | 10,000  | 25,000  | 31.5    | 1,970 | 6.32        | 825     |
|             | 50      | 50.5    | 84.5    | 69.0    | 172.5   | 800     | 600   | 9.40        | 5.7     |