



DIN EN 856 4SP



CONSTRUCTION:

This hose shall consist of an inner tube of oil resistant synthetic rubber, four spiral plies of steel wire wrapped in alternating directions, and an oil and weather resistant synthetic rubber cover.

APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

| SIZE | | SAE | I.D | | W.D | | O.D | | W.P | | P.P | | B.P | | min B.R | | W.T |
|------|--------|------|------|------|------|------|------|------|------|------|-----|-------|-----|-------|---------|--------|------|
| mm | inch | Dash | Min | Max | Min | Max | Min | Max | Mpa | Psi | Mpa | Psi | Mpa | Psi | inch | mm | Kg/m |
| 6.3 | 1/4" | -4 | 6.2 | 7 | 14.1 | 15.3 | 17.1 | 18.7 | 45 | 6525 | 90 | 13050 | 180 | 26100 | 5.91 | 150.00 | 0.64 |
| 10 | 3/8" | -6 | 9.3 | 10.1 | 16.9 | 18.1 | 20.6 | 22.2 | 44.5 | 6450 | 89 | 12905 | 178 | 25810 | 7.09 | 180.00 | 0.75 |
| 12.5 | 1/2" | -8 | 12.3 | 13.5 | 19.4 | 21 | 23.8 | 25.4 | 41.5 | 6020 | 83 | 12035 | 166 | 24070 | 9.06 | 230.00 | 0.89 |
| 16 | 5/8" | -10 | 15.5 | 16.7 | 23 | 24.6 | 27.4 | 29 | 35 | 5075 | 70 | 10150 | 140 | 20300 | 9.84 | 250.00 | 1.10 |
| 19 | 3/4" | -12 | 18.6 | 19.8 | 27.4 | 29 | 31.4 | 33 | 35 | 5075 | 70 | 10150 | 140 | 20300 | 11.81 | 300.00 | 1.50 |
| 25 | 1" | -16 | 25 | 26.4 | 34.5 | 36.1 | 38.5 | 40.9 | 28 | 4060 | 56 | 8120 | 112 | 16240 | 13.39 | 340.00 | 2.00 |
| 31.5 | 1-1/4" | -20 | 31.4 | 33 | 45 | 47 | 49.2 | 52.4 | 21 | 3045 | 42 | 6090 | 84 | 12180 | 18.11 | 460.00 | 3.00 |
| 38 | 1-1/2" | -24 | 37.7 | 39.3 | 51.4 | 53.4 | 55.6 | 58.8 | 18.5 | 2680 | 37 | 5365 | 74 | 10730 | 22.05 | 560.00 | 3.40 |
| 51 | 2" | -32 | 50.4 | 52 | 64.3 | 66.3 | 68.2 | 71.4 | 16.5 | 2390 | 33 | 4785 | 66 | 9570 | 25.98 | 660.00 | 4.35 |



DIN EN 856 4SH



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APPLICATIONS:

This section covers hose for use with petroleum base hydraulic fluids within a temperature range of -40°C~+100°C.

| SIZE | | SAE | I.D | | W.D | | O.D | | W.P | | P.P | | B.P | | min B.R | | W.T |
|------|--------|------|------|------|------|------|------|------|------|------|-----|-------|-----|-------|---------|--------|------|
| mm | inch | Dash | Min | Max | Min | Max | Min | Max | Mpa | Psi | Mpa | Psi | Mpa | Psi | inch | mm | Kg/m |
| 19 | 3/4" | -12 | 18.6 | 19.8 | 27.6 | 29.2 | 31.4 | 33 | 42 | 6090 | 84 | 12180 | 168 | 24360 | 11.02 | 280.00 | 1.7 |
| 25 | 1" | -16 | 25 | 26.4 | 34.4 | 36 | 37.5 | 39.9 | 38 | 5510 | 76 | 11020 | 152 | 22040 | 13.39 | 340.00 | 2.5 |
| 31.5 | 1-1/4" | -20 | 31.4 | 33 | 40.9 | 42.9 | 43.9 | 47.1 | 32.5 | 4710 | 65 | 9425 | 130 | 18850 | 18.11 | 460.00 | 3.0 |
| 38 | 1-1/2" | -24 | 37.7 | 39.3 | 47.8 | 49.8 | 51.9 | 55.1 | 29 | 4205 | 58 | 8410 | 116 | 16820 | 22.05 | 560.00 | 3.6 |
| 51 | 2" | -32 | 50.4 | 52 | 62.2 | 64.2 | 66.5 | 69.7 | 25 | 3625 | 50 | 7250 | 100 | 14500 | 27.56 | 700.00 | 5.0 |