

SAE100R12SF **FOUR-WIRE SPIRAL HOSE**

PREMIUM SUPERFLEX REDUCED-BEND RADIUS

This four-wire spiral, non-skive hydraulic hose is designed for very high-pressure applications and offers a higher degree of flexibility compared to conventional spiral hose. Its flame-resistant cover enhances heat and abrasion resistance, offers 720 hours of ozone resistance, and meets or exceeds SAE J517 100R12 and EN 856 standards. Tested over 1,000,000 impulse cycles at 133% of working pressure.



TECHNICAL DETAILS

CONSTRUCTION

Inner Tube: Synthetic rubber
Reinforcement: Four spirals of high-tensile steel separated by synthetic rubber layers
Outer Cover: Oil, weather, and abrasion resistant synthetic rubber, black, MSHA compliant

APPLICATION

Very high-pressure applications where a high degree of flexibility is required. Suitable for the passage of mineral and vegetable oils, water-based solutions, water, air and inert gases.

SPECIFICATIONS

Standards: Meets or exceeds SAE J517 100R12 and EN 856
Approvals: 3/4" & 1" - DNV, MSHA, BV | 1 1/4" & 1 1/2" - DNV, MSHA, MED, ABS
Temperature Range: -40°C - 121°C (intermittent to 125°C)
Hose Tails: L series

| Part Number | Size (in) | ID (mm) | OD (mm) | Working PSI | Min. Burst Pressure (PSI) | Min. Bend Radius (mm) | Reel Length (m) | Weight (kg/m) |
|-------------|-----------|---------|---------|-------------|---------------------------|-----------------------|-----------------|---------------|
| 100R12SF-12 | 3/4 | 19.0 | 30.0 | 4000 | 16000 | 120 | 60 | 1.10 |
| 100R12SF-16 | 1 | 25.4 | 37.0 | 4000 | 16000 | 150 | 60 | 1.40 |
| 100R12SF-20 | 1 1/4 | 31.8 | 44.6 | 4000 | 16000 | 210 | 60 | 2.50 |
| 100R12SF-24 | 1 1/2 | 38.1 | 51.6 | 4000 | 16000 | 290 | 45 | 3.10 |



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