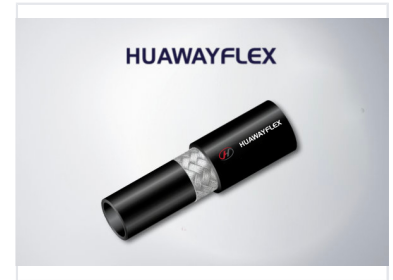


SAE 100R1AT Hydraulic Hose

This hydraulic hose is suitable for low to medium pressure lines and return lines. It is designed for tough abrasion conditions, marine applications, and underground and open pit mining.



Overview

High-Performance Hydraulic Hose

The SAE 100R1AT hydraulic hose is engineered for low-to-medium pressure hydraulic systems, offering exceptional durability in severe environmental conditions. Featuring a single high-tensile steel braid reinforcement and an oil-resistant synthetic rubber tube, this hose is built to withstand demanding applications in marine, mining, and construction sectors. Its specialized cover provides superior resistance to abrasion, ozone, weather, and flame, ensuring reliable performance and longevity.

Technical Specifications

Operating Temperature

-40 °C

Min Continuous Temp

100 °C

Max Continuous Temp

125 °C

Max Operating Temp

Construction Materials

Component	Material
Tube	Oil resistant synthetic rubber
Reinforcement	One high tensile steel braid
Cover	Synthetic rubber (ozone/weather resistant)

Compliance & Compatibility

Compatible Fluids

- Mineral oils
- Vegetable and rape seed oils
- Glycol and polyglycol based oils
- Synthetic ester based oils
- Oils in aqueous emulsion
- Water

Industry Standards

EN 853 1SN, SAE 100 R1AT, ISO 1436-1 1SN/R1AT

Applications

Primary Applications

Marine applications • Underground mining • Open pit mining • Construction machinery • Low-medium pressure lines

Features

Key Performance Features

- Superior abrasion resistance
- High ozone and weather resistance
- Flame resistance
- Antistatic cover
- Antitoxic cover