At Parker Hannifin’s Parflex Division, the specialty is solutions for extreme applications. Thermoplastic hoses are built with a high level of contact strength between the layers of core, reinforcement and jacket. The unique bonding process utilized in Parflex’s hose construction creates projections that extend into the reinforcement, while the jacket material is forced into the reinforcement from the outside. Jackets are produced from specially formulated materials with high levels of UV protection for optimal weather resistance and low coefficient of friction to improve wear and hose life.

Products in this brochure have been well tested in the most extreme applications by Parflex and our customers. Even in the severe temperatures of industrial freezers, 53DM hose continues to perform at -70°F. A typical 53DM-6 meets SAE 100R18 and withstands more than 250,000 cycles in our freezer over the sheave test stand.

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Parflex
Over-the-Sheave Hoses

**SAE 100R7**
Low Temperature

- **55LT**
- 1,250 - 3,500 psi
- Temp. Range: -70°F to +212°F
- Superior flexibility in cold temperature applications.

**SAE 100R18**
Low Temp

- **590**
- 2,000 - 5,000 psi
- Temp. Range: -40°F to +250°F
- Two wire strength, one wire construction, improved bend radius.

**SAE 100R17**
High Performance

- **H6**
- 3,000 psi
- Temp. Range: -4 to -8 -70°F to +250°F
- -10 to -12 -50°F to +250°F
- Low length change capability under pressure.

**SAE 100R1AT**
General Hydraulic

- **560TJ**
- 1,750 - 3,500 psi
- Temp. Range: -40°F to +250°F
- Lighter and smaller than 100R1AT with longer lengths and the best abrasion resistance of any hose.

**SAE 100R2**
General Hydraulic

- **590**
- 2,000 - 5,000 psi
- Temp. Range: -40°F to +250°F
- Two wire strength, one wire construction, improved bend radius.

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**All hoses available in twin-line constructions**

Temperature ranges are for standard hydraulic fluids.