

Extremes

Temperature, Flexibility & Abrasion

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 Hose Products

Over-the-Sheave Applications



ENGINEERING YOUR SUCCESS.

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 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 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 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.

SAE 100R18 Low Temp



53DM - DuraMax

3000 psi constant pressure
Temp. Range: -70°F to +212°F

Smaller O.D.s than 100R7. Matte jacket for low coefficient of friction.



**ALL HOSES AVAILABLE
IN TWIN-LINE CONSTRUCTIONS**
Temperature ranges are for standard hydraulic fluids.