



COOPLOK™ Grooved Submittal

Gaskets

Smith-Cooper carries a variety of gaskets for the COOPLOK™ Grooved product line, each uniquely identified with the SCI logo.

Once installed, internal system pressure increases the sealing action of the gasket providing a leak-tight seal.

Material Specifications

Gasket Type:

- Standard “C” Type – Fig. 65GCPE (EPDM) & 65GCPN (Nitrile)
- Triple Seal – Fig. 65GTRI (EPDM)
- Reducing Coupling – Fig. 65GRCE (EPDM) & 65GRCN (Nitrile)
- Flange Adapter – Fig. 65FHE (EPDM) & 65GFHN (Nitrile)
- Mechanical Tee and Strap Tee – Fig. 65GMT & 65GMU (EPDM)

Gasket Material:

- Pre-lubricated Grade E-EPDM (Green Stripe)
-30°F (-34°C) to +230°F (+110°C) Service Temperature Range
For use with water service, diluted acids, alkali solutions, oil-free air and other chemical services. NOT FOR PETROLEUM, STEAM, or NATURAL GAS APPLICATIONS.
- Grade T-Nitrile (Orange Stripe)
-20°F (-29°C) to +180°F (+82°C) Service Temperature Range
For use with petroleum applications, vegetable & mineral oils, and air with oil vapors. NOT FOR USE IN HOT WATER, STEAM, or NATURAL GAS APPLICATIONS.

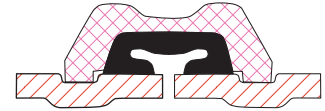
* ALL GASKETS ARE MARKED WITH SCI LOGO AND FIGURE NUMBER OF WHICH PART THEY MATCH WITH.

Project Information	
Project /Job:	System:
Date:	
Engineer/Architect:	
Contractor:	
Address:	
Notes:	



Standard “C” Type – Fig. 65GCPE (EPDM) & Fig 65GCPN (Nitrile)

Standard “C” Type gaskets are the most commonly used coupling gasket. When installed, they provide a seal over each grooved pipe end. As coupling housings are tightened, they form the gasket to the inside cavity of the coupling creating an additional seal. The pressure of the system increases the sealing action of the gasket against the pipe, providing a leak-tight seal. For use with COOPLOK™ 65LR, 65LF, 65SR & 65SF couplings.

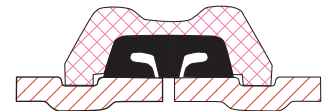


Available in EPDM & Nitrile.

Sizes: 1-1/4” to 14”

Triple Seal – Fig. 65GTRI (EPDM)

Triple Seal gaskets are typically used in dry pipe fire protection systems, freezer applications and vacuum service. They differ from the “C” Type gasket in that they have an additional center sealing surface that sits over the pipe gap where the grooved pipe ends meet. As the coupling housing is tightened, the center seal closes off the pipe gap and provides the “triple seal”. Sold as part of COOPLOK™ 65LRTRI coupling. (Note: A petroleum-free silicone based lubricant is recommended for dry pipe systems.)

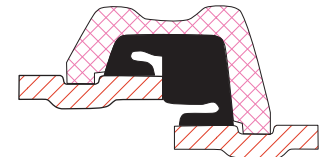


Available in EPDM only.

Sizes: 1-1/4” to 8”

Reducing Coupling – Fig. 65GRC (EPDM) & 65GRCN (Nitrile)

Reducing Coupling gaskets provide sealing surfaces for the two sizes of pipe they join, similar to the “C” Type gaskets. Coupling housings are tightened and the gasket seals each grooved pipe end. For use with COOPLOK™ 65RC coupling sizes only.

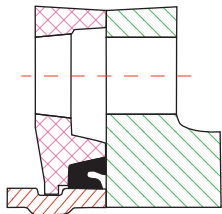


Available in EPDM & Nitrile.

Sizes: 2” x 1-1/2” to 8” x 6”

Flange Adapter – Fig. 65GFHE (EPDM) & Fig. 65GFHN (Nitrile)

The Flange Adapter gasket provides a seal between the grooved end pipe and the flange surface it meets. Specifically designed for use with COOPLOK™ 65FH, Hinged Flange Adapter.

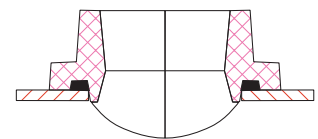


Available in EPDM & Nitrile.

Sizes: 2” to 8”

Mechanical Tee – Fig. 65GMT (EPDM) & Strap Tee – Fig. 65GMU (EPDM)

Mechanical Tee & Strap Tee gaskets are made to conform to the exterior OD (outside diameter) of the pipe. When fittings are tightened, a compression-type seal is formed. For use with COOPLOK™ 65MT, 65MG & 65MU fittings.



Available in EPDM only.

Sizes: 2” – 8” for 65MT & 65MG; 1-1/4” – 2-1/2” for 65MU

Standard Gaskets

Grade	Temp. Range	Compound	Color Code	General Service Applications
E	-30°F to +230°F (-34°C to 110°C)	EPDM	Green	Water, dilute acids, alkalies, salts, and many chemical services not involving hydrocarbons, oils, or gases. Excellent oxidation resistance. NOT FOR USE WITH HYDROCARBONS
T	-20°F to +180°F (-29°C to 82°C)	Nitrile (Buna-N)	Orange	Petroleum products, vegetable oils, mineral oils, and air contaminated with petroleum oils. NOT FOR USE IN HOT WATER SERVICES

Special Gaskets

Grade	Temp. Range	Compound	Color Code	General Service Applications
O	+20°F to +300°F (-6°C to 149°C)	Fluoro Elastomer	Blue	High temperature resistance to oxidizing acids, petroleum oils, hydraulic fluids, halogenated hydrocarbons, and lubricants
L	-40°F to +350°F (-40°C to 177°C)	White Silicone	White Gasket	Dry, hot air and some high temperature chemical services.

Gasket Recommendation Listing

Water & Air

Service	Gasket Grade
Air, (no oil vapors) Temp. -40°F to 230°F (-40° to 110°C)	E
Air, (no oil vapors) Temp. -40°F to 350°F (-40° to 177°C)	L
Air, Oil vapor Temp. -20°F to 150°F (-29°C to 66°C)	T
Air, Oil vapor Temp. 20°F to 300°F (-7°C to 149°C)	O
Water, Temp to 150°F (66°C)	E/T*
Water, Temp to 230°F (110°C)	E
Water, Acid Mine	E/T*
Water, Chlorine	E/O*
Water, Deionized	E/T*
Water, Seawater	E/T*
Water, Waste	E/T*
Water, Lime	E/T*

Petroleum Products

Service	Gasket Grade
Crude Oil - Sour	T
Diesel Oil	T
Fuel Oil	T
Gasoline, Leaded	T
Gasoline, Unleaded	O
Hydraulic Oil	T
JP-3, JP-4, and JP-5	T/O*
JP-6, 100°F (38°C) Maximum Temp.	T
Kerosene	T
Lube Oil, to 150°F (66°C)	T
Motor Oil	T
Tar and Tar Oil	T
Transmission Fluid - Type A	O
Turbo Oil #15 Diester Lubricant	O

*Where more than one gasket grade is shown the preferred gasket grade is listed first.