

# Grooved Couplings, Fittings & Valves






## QUALITY

- Manufacturing facility is ISO 9001:2008
- Quality inspections both at the overseas factory and our USA warehouses
- UL Listed & FM Approved – sizes up to 12"

## SERVICE

- Dedicated COOPLOK™ customer service staff
- Timely shipment of orders
- Emailed or Faxed confirmation of every order
- Excellent fill rate
- ProPak™ System makes products easier to handle and warehouse

## TRACEABILITY

- The  logo is on all fittings, couplings, bolts, and gaskets
- Canadian Registration Number (CRN) available at [www.smithcooper.com](http://www.smithcooper.com) (does not include fabricated fittings)

## AVAILABILITY

- Stocked in orange paint or hot dipped galvanized
- Stocked throughout the USA – sizes 1" to 24"

## PROTECTION

- USA engineering staff available
- \$25,000,000 product liability insurance

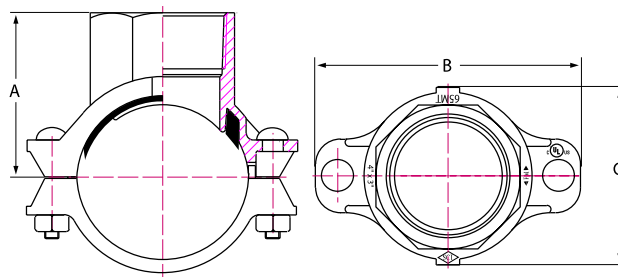
<b>Housing</b>	• Ductile Iron conforming to ASTM A-536, Grade 65-45-12
<b>Coatings</b>	• Orange paint • Hot dipped galvanized conforming to ASTM A-153
<b>Hardware</b>	• Electroplated track bolts conforming to ASTM A-183 with a minimum tensile strength of 110,000 psi • 100% magnetic particle inspection of each bolt
<b>Gaskets</b>	• Grade E - EPDM (green stripe): Temperature Range: -30°F (-34°C) to +230°F (+110°C) • Grade T - Nitrile (orange stripe): Temperature Range: -20°F (-29°C) to +180°F (+82°C) • Grade O - Fluoroelastomer (blue stripe): Temperature Range: +20°F (-6°C) to +300°F (+149°C)
<b>Grooves</b>	• Dimensions to AWWA C-606
<b>For Use With</b>	• IPS Carbon & Stainless Steel Pipe

*Please see complete installation instructions at [www.smithcooper.com](http://www.smithcooper.com) for important guidelines and limitations on the use and applications of SCI COOPLOK™ Grooved Couplings and Fittings.*

**Fig. 65MT & 66MT**

**Mechanical Tee, NPT**

- Maximum working pressure 500 psi (34.5 bar) depending on size and schedule of pipe
- ASME B1.20.1 NPT threads
- Equivalent length in feet of schedule 40 outlet pipe with a Hazen-Williams coefficient of 120 per UL 213
- All housings, gaskets and bolts identified by SCi logo
- 100% magnetic particle inspection of each bolt
- Each bolt has a minimum tensile strength of 110,000 psi
- Gasket Grade E - EPDM (green stripe) -30°F (-34°C) to +230°F (+110°C)
- Ductile iron housings conform to ASTM A-536
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the logo

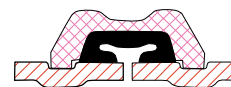


Size Run x Branch in / mm	Part Number		Hole Diameter +1/8, -0 / +3.2, -0 in / mm	Dimensions			Equivalent Length in Feet	Case Qty	Weight lb / kg
	Painted	Galvanized		A in / mm	B in / mm	C in / mm			
4 x 2 100 x 50	65MT3040020	66MT3040020	2-1/2 64	4.02 102.1	7.24 183.9	3.94 100.1	5	8	4.4 2.0
4 x 2-1/2 100 x 65	65MT3040024	66MT3040024	2-3/4 70	4.02 102.1	7.24 183.9	4.21 106.9	11	8	4.9 2.2
4 x 3 100 x 80	65MT3040030	66MT3040030	3-1/2 89	4.53 115.1	7.24 183.9	4.76 120.9	13	6	6.1 2.8
5 x 1-1/4 125 x 32	65MT3050012	66MT3050012	1-3/4 45	4.76 120.9	7.99 202.9	3.03 77.0	4	8	4.1 1.9
5 x 1-1/2 125 x 40	65MT3050014	66MT3050014	2 51	4.76 120.9	7.99 202.9	3.27 83.1	3	8	4.2 1.9
5 x 2 125 x 50	65MT3050020	66MT3050020	2-1/2 64	4.76 120.9	8.66 220.0	3.94 100.1	5	6	6.0 2.7
5 x 2-1/2 125 x 65	65MT3050024	66MT3050024	2-3/4 70	4.76 120.9	8.66 220.0	4.21 106.9	11	6	6.6 3.0
5 x 3 125 x 80	65MT3050030	66MT3050030	3-1/2 89	5.00 127.0	8.66 220.0	4.92 125.0	13	4	7.5 3.4
6 x 1-1/4 150 x 32	65MT3060012	66MT3060012	1-3/4 45	5.12 130.0	9.13 231.9	3.03 77.0	4	8	4.4 2.0
6 x 1-1/2 150 x 40	65MT3060014	66MT3060014	2 51	5.12 130.0	9.13 231.9	3.27 83.1	3	8	4.5 2.0
6 x 2 150 x 50	65MT3060020	66MT3060020	2-1/2 64	5.12 130.0	9.76 247.9	3.94 100.1	5	6	6.5 3.0
6 x 2-1/2 150 x 65	65MT3060024	66MT3060024	2-3/4 70	5.12 130.0	9.76 247.9	4.21 106.9	11	6	6.8 3.1
6 x 3 150 x 80	65MT3060030	66MT3060030	3-1/2 89	5.51 140.0	9.76 247.9	4.92 125.0	13	4	7.9 3.6
6 x 4 150 x 100	65MT3060040	66MT3060040	4-1/2 114	5.75 146.1	9.76 247.9	5.91 150.1	15	3	9.6 4.4
8 x 2 200 x 50	65MT3080020	66MT3080020	2-1/2 64	6.26 159.0	11.81 300.0	3.94 100.1	5	4	8.2 3.7
8 x 2-1/2 200 x 65	65MT3080024	66MT3080024	2-3/4 70	6.26 159.0	11.81 300.0	4.21 106.9	11	3	8.6 3.9
8 x 3 200 x 80	65MT3080030	66MT3080030	3-1/2 89	6.50 165.1	11.81 300.0	4.92 125.0	13	3	9.3 4.2
8 x 4 200 x 100	65MT3080040	66MT3080040	4-1/2 114	6.73 170.9	11.81 300.0	5.91 150.1	15	2	10.7 4.9

GROOVED

### Standard "C" Type – Fig. 65GCPE (EPDM), 65GCPN (Nitrile) 65GCPF (Fluoroelastomer)

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. For COOPLOK™ 65HP Couplings, use 65GHPN (Nitrile with Double Orange Stripe) gaskets only.



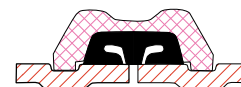
Available in Pre-Lubricated EPDM, Nitrile & Fluoroelastomer\*. Sizes: 1-1/4" to 24"

\*(Sizes: 1-1/4" to 12")

### 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"

### End Shield™ – Fig. 65GCPNES (Nitrile)

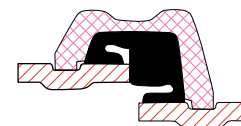
End Shield™ gaskets are specially designed for use with COOPLOK™ Grooved 65HP-ES high pressure rigid couplings in applications with lined pipe. They differ from the Triple Seal gasket in that the center rib is positioned in between the pipe ends. This results in a continuous lined surface and protects the pipe ends from corrosion and damage.



Available in Nitrile only. Sizes: 2", 3", 4" & 6"

### Reducing Coupling – Fig. 65GRCE (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.

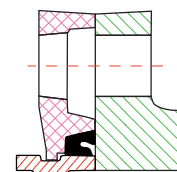


Available in EPDM & Nitrile. Sizes: 2" x 1-1/2" to 8" x 6"

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

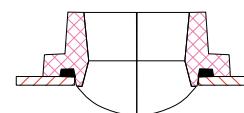
The Flange Adapter gasket provides a seal between the grooved end pipe and the flange surface it meets. Specifically designed for use with COOPLOK™ 65FH Hinged Flanged Adapter.

Available in EPDM & Nitrile. Sizes: 2" to 12"



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

Mechanical Tee & Strap Tee gaskets are made to conform to the exterior surface 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" to 8" for 65MT & 65MG; 1-1/4" to 2-1/2" for 65MU

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