



**COOPLOK™ Grooved Submittal**

**Fig. 65FH & 66FH  
Hinged Flange Adapter**

Figure 65FH & 66FH Hinged Flange Adapters connect grooved pipe directly to any flat or raised face Class 125/150 flange.

**Material Specifications**

**Housing:**

Ductile Iron Housings conform to ASTM A-536, Grade 65-45-12

**Coating:**

- Orange Paint (rust inhibiting) – Standard Coating – Fig. 65FH
- Hot Dipped Galvanized conforming to ASTM A-153 – Fig. 66FH

**Latch Bolt & Nut:**

Zinc electroplated, heat treated, oval neck track head bolt conforming to ASTM-183 Grade 2 with a minimum tensile strength of 110,000 psi; Heavy hex nut made of carbon steel conforming to ASTM A-563 Grade A or Grade B, or J995 Grade 2.

SCI Track Bolts are 100% Magnetic Particle Inspected. The SCI logo appears on all COOPLOK™ track bolts.

**Hinged Flange Adapter 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.

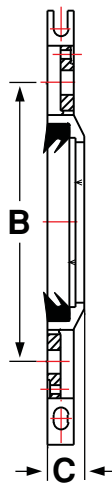
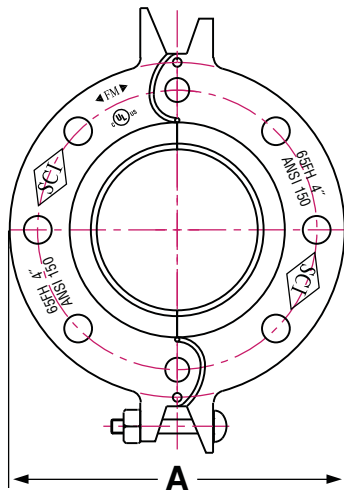
Project Information	
Project/Job/System:	
Submittal Date:	
Engineer:	Contractor:
Address:	Address:
City/State:	City/State:
Notes:	

Approval Stamp



**Fig. 65FH & 66FH**  
**Hinged Flange Adapter**

- Maximum working pressure 300 psi (20.7 bar) depending on flange size and schedule of pipe
- 3/8" x 2-3/4" latch bolt included
- SC1 does not provide flange bolts
- All bolts and gaskets identified by SC1 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)
- Gasket Grade T - Nitrile (orange stripe) -20°F (-29°C) to +180°F (+82°C)
- Ductile iron housings conform to ASTM A-536 Grade 65-45-12
- Groove dimensions to AWWA C-606
- Matches Class 125/150 flange dimensions
- Finishes: Orange enamel paint  
Hot dipped galvanized conforming to ASTM A-153
- Smith-Cooper Warranty only applies to assemblies made with housings, gaskets and bolts carrying the SC1 logo



**Fig. 65FHR**  
**Phenolic Flange Ring**

- For use when mating to a rubber flange seal or wafer-style butterfly valve
- 1/8" thick fabric-reinforced, laminated phenolic
- Available upon request



**Phenolic Flange Ring**

Pipe Size in / mm	Part Number		Pipe OD in / mm	Dimensions			Number of Flange Bolts	Case Qty	Weight lb / kg	Part Number Phenolic Flange Ring
	Painted	Galvanized		A	B	C				
2 50	65FH3020	66FH3020	2.375 60.3	6.00 152.4	4.75 120.7	0.75 19.1	4	10	3.6 1.6	65FHR020
2-1/2 65	65FH3024	66FH3024	2.875 73.0	7.00 177.8	5.50 139.7	0.88 22.4	4	10	3.6 1.6	65FHR024
3 80	65FH3030	66FH3030	3.500 88.9	7.50 190.5	6.00 152.4	0.94 23.9	4	10	4.8 2.2	65FHR030
4 100	65FH3040	66FH3040	4.500 114.3	9.00 228.6	7.50 190.5	0.94 23.9	8	10	6.6 3.0	65FHR040
5 125	65FH3050	66FH3050	5.563 141.3	10.00 254.0	8.50 215.9	0.94 23.9	8	-	8.1 3.7	65FHR050
6 150	65FH3060	66FH3060	6.625 168.3	11.00 279.4	9.50 241.3	1.00 25.4	8	-	8.4 3.8	65FHR060
8 200	65FH3080	66FH3080	8.625 219.1	13.50 342.9	11.75 298.5	1.12 28.4	8	-	14.3 6.5	65FHR080
10 250	65FH3100	66FH3100	10.750 273.0	16.00 406.4	14.25 361.9	1.19 30.2	12	-	19.4 8.0	65FHR100
12 300	65FH3120	66FH3120	12.750 323.9	19.00 482.6	17.00 431.8	1.25 31.7	12	-	28.8 13.0	65FHR120