



# CHARGE AIR CONNECTOR (CAC)

## CONVOLUTED REDUCERS



Get great value with Flexfab's charge air convoluted (CAC) reducers. They can be used on both hot side and cold side of the CAC system and are constructed with 4-ply silicone coated meta-aramid fabric. Custom engineered to withstand harsh environments, they are resistant to extreme temperatures and pressures.

### CONSTRUCTION:

+ 4-ply silicone coated meta-aramid fabric with stainless steel pressure retention rings where noted

### SPECIFICATIONS:

+ Wall thickness is .092"/.132"

## BENEFITS

- ✓ Can be Used on Both Hot Side and Cold Side of the CAC System
- ✓ Extreme Temperature Resistance
- ✓ Extreme Duty Cycle Tested for Hostile Engine Environments
- ✓ High Pressure Resistance

### CUSTOM ENGINEERED TO WITHSTAND:



COOL TEMPS



HOT TEMPS



OIL SPLASH RESISTANCE

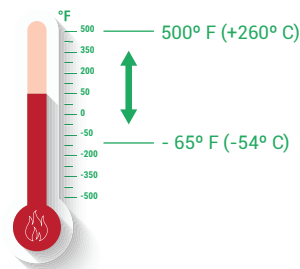


OZONE RESISTANT



DIRECT SUNLIGHT

### TEMPERATURE RANGE:



# CHARGE AIR CONNECTOR (CAC) CONVOLUTED REDUCERS

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Convolute (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI	Weight LBS	Clamp
	Inch	MM	Inch	MM						
7868	2.50/3.00	64/76	2.73/3.23	69/82	4.00	1	None	40	0.5	2583-0250/2583-0300 2584-0312/2584-0362
7726	3.00/3.50	76/89	3.23/3.73	82/95	5.00	1	2	55	0.5	2583-0300/2583-0350 2584-0362/2584-0412
7766	3.00/4.00	76/102	3.23/4.23	82/107	6.30	1	2	50	0.5	2583-0300/2583-0400 2584-0362/2584-0462
7880	3.50/4.00	89/102	3.73/4.23	95/107	6.00	2	2	50	0.5	2583-0350/2583-0400 2584-0412/2584-0462
7711	4.00/4.50	102/114	4.23/4.73	107/120	6.00	1	None	30	0.5	2583-0400/2583-0450 2584-0462/2584-0512
7866	4.00/4.50	102/114	4.23/4.73	107/120	7.00	2	3	45	0.6	2583-0400/2583-0450 2584-0462/2584-0512

\*Specifications for reference only. Specific test data available on request.



# CHARGE AIR CONNECTOR (CAC)

## HOT SIDE AND COLD SIDE



This charge air connector for the hot side features 4-ply silicone coated meta-aramid fabric with stainless steel pressure retention rings.

This charge air connector for the cold side features 3-ply silicone coated polyester fabric with stainless steel pressure retention rings.

### CONSTRUCTION:

- + Hot Side: 4-ply silicone coated meta-aramid fabric with stainless steel pressure retention rings
- + Cold Side: 3-ply silicone coated polyester fabric with stainless steel pressure retention rings

### SPECIFICATIONS:

- + Hot Side: wall thickness is .085"/.135"
- + Cold Side: wall thickness is .084"/.130"

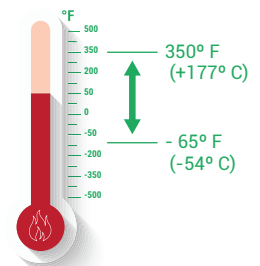
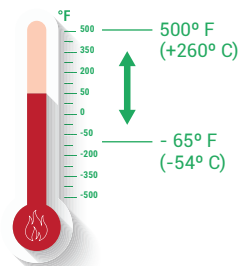
## BENEFITS

- ✓ Extreme Temperature Resistance
- ✓ Extreme Duty Cycle Tested for Hostile Engine Environments
- ✓ High Pressure Resistance

### CUSTOM ENGINEERED TO WITHSTAND:



### TEMPERATURE RANGE: HOT SIDE      TEMPERATURE RANGE: COLD SIDE





## CHARGE AIR CONNECTOR (CAC) – HOT SIDE

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Convolutes (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI	Weight LBS	Clamp
	Inch	MM	Inch	MM						
7887	2.50	64	2.73	69	6.00	2	3	60	0.5	2583-0250 or 2584-0312
7731-0001	3.00	76	3.23	82	6.00	2	3	60	0.5	2583-0300 or 2584-0362
7732-0001	3.50	89	3.73	95	6.00	2	3	55	0.5	2583-0350 or 2584-0412
7717	3.50	89	3.73	95	7.50	2	3	55	0.5	2583-0350 or 2584-0462
7715-0002	4.00	102	4.23	107	6.00	2	3	50	0.5	2583-0400 or 2584-0462
7723	4.00	102	4.23	107	6.00	1	2	50	0.5	2583-0400 or 2584-0462
1020-0001	4.00	102	4.23	107	6.50	2	3	50	0.5	2583-0400 or 2584-0462
7716	4.00	102	4.23	107	7.00	2	3	50	0.6	2583-0400 or 2584-0462
7728	4.00	102	4.23	107	7.50	2	3	50	0.6	2583-0400 or 2584-0462
7727-0001	4.00	102	4.23	107	8.00	2	3	50	0.7	2583-0400 or 2584-0462
7742-0001	4.50	114	4.73	120	6.00	2	3	45	0.5	2583-0450 or 2584-0512
7797	5.00	127	5.23	133	6.00	2	3	35	0.5	2583-0500 or 2584-0562

\*Specifications for reference only. Specific test data available on request.



## CHARGE AIR CONNECTOR (CAC) – COLD SIDE

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Convolutes (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI	Weight LBS	Clamp
	Inch	MM	Inch	MM						
7758-0001	3.00	76	3.23	82	6.00	2	3	60	0.5	2583-0300 or 2584-0362
7753-0001	3.50	89	3.73	95	6.00	2	3	55	0.5	2583-0350 or 2584-0412
7755-0002	4.00	102	4.23	107	6.00	2	3	50	0.5	2583-0400 or 2584-0462
7759-0001	4.50	114	4.73	120	6.00	2	3	45	0.5	2583-0450 or 2584-0512

\*Specifications for reference only. Specific test data available on request.



# HEAVY-WALL CHARGE AIR CONNECTOR (CAC)

## HOT SIDE AND COLD SIDE



Exclusive to Flexfab, these heavy-wall charge air connectors feature clamp saddle design for proper clamp alignment, along with chamfered ID for easy installation. They are temperature and high pressure resistant.

### CAC CONSTRUCTION:

+ 4-ply heavy duty silicone coated meta-aramid fabric with heavy duty stainless steel pressure retention rings

### CAC SPECIFICATIONS:

+ Wall thickness is .117"/.163"

## FLUOROCARBON LINED CHARGE AIR CONNECTOR

These connectors have a fluorocarbon liner that the other heavy wall hoses don't have. They're designed to meet EPA 2007 and EURO IV & V reduced emissions requirements.

### CONSTRUCTION:

+ High temperature fluorocarbon elastomeric liner  
+ 4-ply heavy duty silicone coated meta-aramid fabric with heavy duty stainless steel pressure retention rings

### SPECIFICATIONS:

+ Wall thickness is .117"/.163"

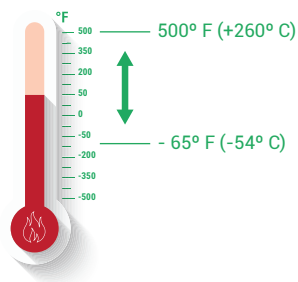
## BENEFITS

- ✓ Extreme Temperature Resistance
- ✓ Extreme Duty Cycle Tested for Hostile Engine Environments
- ✓ Custom Design
- ✓ Clamp Saddle Design Allows for Proper Clamp Alignment
- ✓ Chamfered ID is Easy to Install

### CUSTOM ENGINEERED TO WITHSTAND:



### TEMPERATURE RANGE:

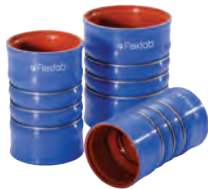




## HEAVY-WALL CHARGE AIR CONNECTOR (CAC) – HOT SIDE

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Convolutes (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI	Weight LBS	Clamp
	Inch	MM	Inch	MM						
4076-0001	2.50	64	2.73	69	6.00	2	3	80	0.5	2583-0250
4074-0001	3.00	76	3.23	82	6.00	2	3	70	0.5	2588-0306
4073-0001	3.50	89	3.73	95	6.00	2	3	70	0.5	2588-0356
4070-0001	4.00	102	4.23	107	6.00	2	3	70	0.5	2588-0406
4075-0001	4.50	114	4.73	120	6.00	2	3	60	0.5	2588-0456

\*Specifications for reference only. Specific test data available on request.



## HEAVY-WALL CHARGE AIR CONNECTOR (CAC) – COLD SIDE

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Convolutes (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI	Weight LBS	Clamp
	Inch	MM	Inch	MM						
4076-0002	2.50	64	2.73	69	6.00	2	3	80	0.5	2583-0250
4074-0002	3.00	76	3.23	82	6.00	2	3	70	0.5	2588-0306
4073-0002	3.50	89	3.73	95	6.00	2	3	70	0.5	2588-0356
4070-0002	4.00	102	4.23	107	6.00	2	3	70	0.5	2588-0406
4075-0002	4.50	114	4.73	120	6.00	2	3	60	0.5	2588-0456

\*Specifications for reference only. Specific test data available on request.



## FLUOROCARBON LINED CHARGE AIR CONNECTOR

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Convolutes (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI	Weight LBS	Clamp
	Inch	MM	Inch	MM						
1076-0003	2.50	64	2.73	69	6.00	2	3	80	0.5	2583-0250
1074-0003	3.00	76	3.23	82	6.00	2	3	70	0.5	2588-0306
1073-0003	3.50	89	3.73	95	6.00	2	3	70	0.5	2588-0356
1070-0003	4.00	102	4.23	107	6.00	2	3	70	0.5	2588-0406
1075-0003	4.50	114	4.73	120	6.00	2	3	60	0.5	2588-0456

\*Specifications for reference only. Specific test data available on request.



# 4000 SERIES:

## CHARGE AIR CONNECTOR HOSE AND CLAMP KITS



Flexfab's 4000 series CAC hose and clamp kits feature 4-ply silicone coated meta-aramid fabric with stainless steel pressure retention rings. They perform well in extreme temperatures and have all stainless steel spring-loaded T-bolt clamps. The clamps resist salt water and can be used in marine applications.

### APPLICATION:

+ Flexfab 4000 series clamp kits provide a CAC hose and 2 spring-loaded T-bolt clamps with each kit. Hoses provided in these kits are compatible with both hot or cold side of the charge air cooler system.

### CONSTRUCTION:

- + Charge air connector hose, 4-ply silicone coated meta-aramid fabric with stainless steel pressure retention rings
- + All stainless steel spring-loaded T-bolt clamps

### SPECIFICATIONS:

- + Charge air connector wall thickness is .085"/.135"
- + Spring-loaded T-bolt clamps: resists salt water and may be used in marine applications

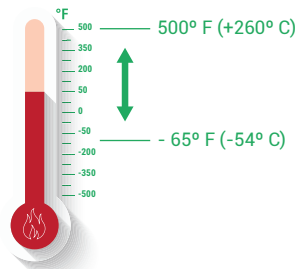
## BENEFITS

- ✓ Extreme Temperature Resistance
- ✓ Extreme Duty Cycle Tested for Hostile Engine Environments
- ✓ High Pressure Resistance
- ✓ Salt Water Resistant Clamps

### CUSTOM ENGINEERED TO WITHSTAND:



### TEMPERATURE RANGE:



## 4000 SERIES: CHARGE AIR CONNECTOR HOSE AND CLAMP KITS

Part Number	Hose and Clamp Provided in Kit	Inside Diameter		Outside Diameter		Length Inches	Convulutes (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI
		Inch	MM	Inch	MM overall				
KIT4001D	4070-0001	4.00	102	4.23	107	6.00	2	3	70
	FLX2588-0406	4.06	103	4.38	111	N/A	N/A	N/A	N/A
KIT4002D	4070-0002	4.00	102	4.23	107	6.00	2	3	70
	FLX2588-0406	4.06	103	4.38	111	N/A	N/A	N/A	N/A
KIT4003D	7727-0001	4.00	102	4.23	107	8.00	2	3	50
	FLX2588-0406	4.06	103	4.38	111	N/A	N/A	N/A	N/A
KIT4004D	4073-0001	3.50	89	3.73	95	6.00	2	3	70
	FLX2588-0356	3.56	91	3.88	98	N/A	N/A	N/A	N/A
KIT4005D	4074-0001	3.00	76	3.23	82	6.00	2	3	70
	FLX2588-0306	3.06	78	3.38	86	N/A	N/A	N/A	N/A

\*Specifications for reference only. Specific test data available on request.



# LARGE ID CHARGE AIR CONNECTOR (CAC)



Notice: Flexfab recommends double clamping at each end for proper installation.

Designed for use on both hot and cold sides of the charge air cooler systems, this connector has 6-ply silicone coated meta-aramid fabric with stainless steel pressure retention rings. It's engineered for extreme temperatures, and is both ozone and UV resistant. Used on diesel truck engines to deliver pressurized intake air to the charge air intercooler and intake manifold.

## CONSTRUCTION:

+ 6-ply silicone coated meta-aramid fabric with stainless steel pressure retention ring

## SPECIFICATIONS:

+ Wall thickness is .138"/.198"

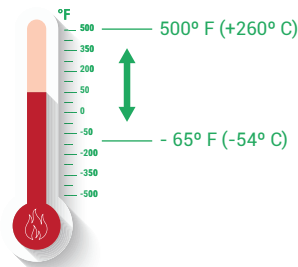
## BENEFITS

- ✓ Extreme Temperature Resistance
- ✓ Can be Used on Both Hot Side or Cold Side of the Charge Air Cooler System
- ✓ Fuel and Oil Splash Resistant

## CUSTOM ENGINEERED TO WITHSTAND:



## TEMPERATURE RANGE:



# LARGE ID CHARGE AIR CONNECTOR (CAC)

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Convolutes (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI	Weight LBS	Clamp
	Inch	MM	Inch	MM						
7968	6.00	152	6.34	161	8.00	2	3	50	1.42	2584-0662
7969	7.00	178	7.34	186	8.00	2	3	40	1.68	2584-0762
7970	8.00	203	8.34	212	8.00	2	3	40	1.92	2584-0862

\*Specifications for reference only. Specific test data available on request.