

Silicone Hose Catalog



Powering Business Worldwide

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General Description

Eaton's Silicone Hose Products Excel In Extreme Temperatures And High Vibration Situations.

Eaton's new line of silicone hose products can be used in coolant and high temperature applications. The hose products are available for turbo and charge air coolers in straights and in formed hoses for diesel and gas powered engines.














Features/Benefits

- Resistant to cracking, peeling, ozone, and aging
- Silicone is resistant to extreme temperature conditions up to 500°F
- Compensates for misalignment and offsets vibration
- Aramid reinforced configuration for fatigue-resistance at high temperatures in turbocharger application

- Available in straight lengths, 45 degree, and 90 degree elbows
- Heater and Coolant hose are SAE J20 R3 and SAE J20 R1 certified
- Color coded for application use

Applications

- Heavy duty truck and bus engines
- Buses
- Vehicles with diesel engine
- For use in high vibration, hot and cold air aspiration units
- Power gen sets

	Part Number	Type	Construction	Temperature	I.D.(in.)
	EH225	Heater Hose	Single ply silicone polyester braid reinforced tube with blue cover	-65° F to +350°F (-54°C to +177°C)	-04/-16
	EH226	Coolant Hose	4 plies of silicone rubber with polyester woven reinforcement with blue cover	-65° F to +350°F (-54°C to +177°C)	-05/-96
	EH227	Turbo Hose	4 plies of silicone rubber with aramid woven reinforcement with red cover	-65°F to +500°F (-54°C to +260°C)	-04/-80
	FF90801	CAC Hot Hose	4 plies of silicone rubber with aramid woven reinforcement with red cover and 304 stainless steel restraining rings	-65° F to +500°F (-54°C to +260°C)	2 1/2" - 5"
	FF90800	CAC Cold Hose	4 plies of silicone rubber with polyester woven reinforcement with blue cover and 304 stainless steel restraining rings	-65° F to +350°F (-54°C to +177°C)	2 1/2" - 5"
	FF90829	Hump Hose-Hot	Silicone with aramid reinforcement with red cover	-65°F to +500°F (-54°C to +260°C)	3/4" - 6"
	FF90830	Hump Hose-Cold	Silicone with polyester reinforcement with blue cover	-65° F to +350°F (-54°C to +177°C)	3/4" - 6"
	FF90835	Elbow 90° -Hot	4 plies of silicone rubber with aramid woven reinforcement with red cover	-65°F to +500°F (-54°C to +260°C)	5/8" - 4"
	FF90836	Elbow 45° -Hot	4 plies of silicone rubber with aramid woven reinforcement with red cover	-65°F to +500°F (-54°C to +260°C)	5/8" - 4"
	FF90802	Elbow 90° -Cold	4 plies of silicone rubber with polyester woven reinforcement with blue cover	-65° F to +350°F (-54°C to +177°C)	5/8" - 4"
	FF90803	Elbow 45°-Cold	4 plies of silicone rubber with polyester woven reinforcement with blue cover	-65° F to +350°F (-54°C to +177°C)	5/8" - 3"

Heater Hose

Meets SAE J20 R3 Class A

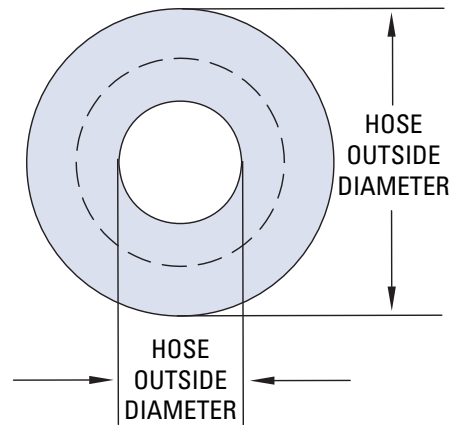
Hose Part Number	Hose I.D.		Hose O.D.		Minimum Burst Pressure	
	mm	in	mm	in	bar	psi
EH22504	6.40	0.25	11.70	0.46	28	400
EH22505	7.90	0.31	13.20	0.52	21	300
EH22506	9.70	0.38	16.30	0.64	17	250
EH22508	12.70	0.50	19.30	0.76	17	250
EH22510	16.00	0.63	23.60	0.93	17	250
EH22512	19.10	0.75	27.20	1.07	14	200
EH22514	22.40	0.88	31.50	1.24	14	200
EH22516	25.40	1.00	35.10	1.38	12	175

Construction

- Single ply silicone polyester braid reinforced tube with blue cover

Operating Temperatures

- -65° F to +350° F
- -54° C to +177° C
- Available in 25 ft boxes
- For heavy duty pressure connections in hostile engine environments
- Ideal for extreme temperature and various pressure ranges where high performance levels are required
- Contact Eaton for alternative length requirements



Coolant Hose

Meets SAE J20 R1 Class A

Hose Part Number	Hose I.D.		Hose O.D.		Minimum Burst Pressure	
	mm	in	mm	in	bar	psi
EH22605	7.90	0.31	17.50	0.69	74.50	1080
EH22606	8.70	0.38	19.10	0.75	73.10	1060
EH22608	12.70	0.50	22.10	0.87	60.10	872
EH22610	15.70	0.62	25.10	0.99	55.00	797
EH22612	19.10	0.75	28.40	1.12	52.70	764
EH22614	22.40	0.88	31.80	1.25	50.50	732
EH22616	25.40	1.00	34.80	1.37	48.20	699
EH22617	26.90	1.06	36.60	1.44	46.70	678
EH22618	28.70	1.13	38.10	1.50	45.40	658
EH22620	31.80	1.25	41.10	1.62	42.50	617
EH22622	35.10	1.38	44.40	1.75	37.90	550

Coolant Hose

Meets SAE J20 R1 Class A

(continued)

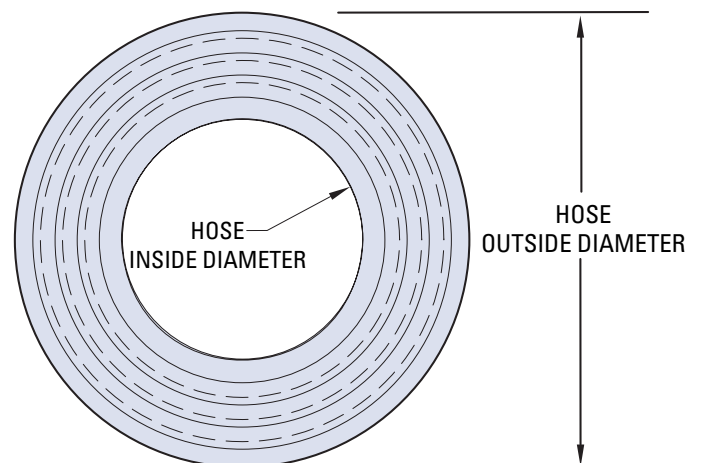
Hose Part Number	Hose I.D.		Hose O.D.		Minimum Burst Pressure	
	mm	in	mm	in	bar	psi
EH22624	38.10	1.50	47.50	1.87	35.90	521
EH22626	41.10	1.62	50.50	1.99	34.50	501
EH22628	44.40	1.75	53.80	2.12	32.60	473
EH22630	47.80	1.88	57.20	2.25	31.00	450
EH22632	50.80	2.00	60.20	2.37	30.50	442
EH22634	54.10	2.13	63.50	2.50	29.30	425
EH22636	57.20	2.25	66.50	2.62	28.50	413
EH22638	60.50	2.38	69.90	2.75	27.60	400
EH22640	63.50	2.50	72.90	2.87	26.10	379
EH22642	66.50	2.62	75.90	2.99	24.20	351
EH22644	69.80	2.75	79.20	3.12	23.30	338
EH22646	73.20	2.88	82.60	3.25	22.10	321
EH22648	76.20	3.00	85.60	3.37	21.90	317
EH22650	79.50	3.13	88.90	3.50	21.20	308
EH22652	82.60	3.25	91.90	3.62	20.50	298
EH22654	85.90	3.38	95.20	3.75	19.00	275
EH22656	86.90	3.50	98.30	3.87	18.20	264
EH22658	92.20	3.63	101.60	4.00	17.60	256
EH22660	95.20	3.75	104.60	4.12	17.20	249
EH22664	101.60	4.00	111.00	4.37	16.10	233
EH22666	104.90	4.13	114.60	4.51	N/A	N/A
EH22668	108.00	4.25	117.90	4.84	N/A	N/A
EH22672	114.30	4.50	123.70	4.87	N/A	N/A
EH22680	127.00	5.00	136.40	5.37	N/A	N/A
EH22688	139.70	5.50	149.10	5.87	N/A	N/A
EH22696	152.40	6.00	161.80	6.37	N/A	N/A

Construction

- 4 plies of silicone rubber with polyester woven reinforcement with blue cover
- 3 ft lengths

Operating Temperatures

- -65° F to + 350° F
- -54° C to +177° C
- For heavy duty pressure connections in hostile engine environments
- Ideal for extreme temperature and various pressure ranges where high performance levels are required
- UV and ozone resistant
- Resistant to electrochemical degradation
- Resistant to minor oil splash and petrochemical exposure
- Contact Eaton for alternative length requirements



Turbo Hose

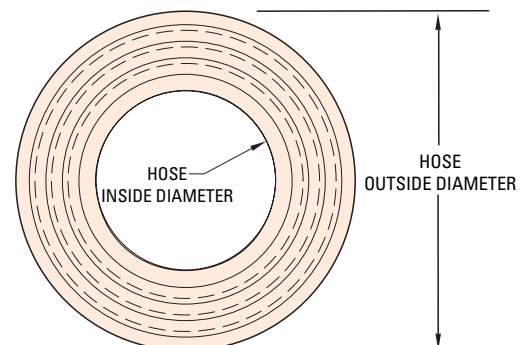
Hose Part Number	Hose I.D.		Hose O.D.	
	mm	in	mm	in
EH22704	6.40	0.25	14.50	0.57
EH22706	9.70	0.38	17.80	0.70
EH22708	12.70	0.50	20.80	0.82
EH22710	16.00	0.63	24.10	0.95
EH22712	19.10	0.75	27.20	1.07
EH22714	22.40	0.88	30.50	1.20
EH22716	25.40	1.00	33.50	1.32
EH22717	26.90	1.06	35.10	1.38
EH22718	28.70	1.13	36.80	1.45
EH22720	31.80	1.25	39.90	1.57
EH22721	33.30	1.31	41.40	1.63
EH22722	35.10	1.38	43.20	1.70
EH22724	38.10	1.50	46.20	1.62
EH22726	41.10	1.62	49.30	1.94
EH22728	44.40	1.75	52.60	2.07
EH22730	47.80	1.88	55.90	2.20
EH22732	50.80	2.00	58.90	2.32
EH22734	54.10	2.13	62.20	2.45
EH22736	57.20	2.25	65.30	2.57
EH22738	60.50	2.38	68.60	2.70
EH22740	63.50	2.50	71.60	2.82
EH22742	66.50	2.62	74.70	2.94
EH22744	69.80	2.75	78.00	3.07
EH22746	73.20	2.88	81.30	3.20
EH22748	76.20	3.00	84.30	3.32
EH22750	79.50	3.13	87.60	3.45
EH22752	82.60	3.25	90.70	3.57
EH22754	85.90	3.38	94.00	3.70
EH22756	88.90	3.50	97.00	3.82
EH22758	92.20	3.63	100.30	3.95
EH22760	95.20	3.75	103.40	4.07
EH22764	101.60	4.00	109.70	4.32
EH22772	114.30	4.50	122.40	4.82
EH22780	127.00	5.00	135.10	5.32

Construction

- 4 plies of silicone rubber with aramid woven reinforcement with red cover
- 3 ft lengths

Operating Temperatures

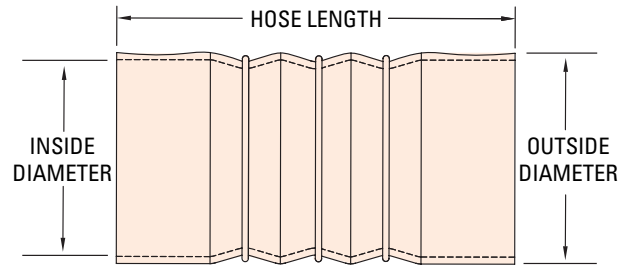
- -65° F to + 500° F
- -54° C to +260° C
- Designed and engineered for a wide variety of high temperature Turbocharger applications
- UV and ozone resistant
- Contact Eaton for alternative length requirements



Charge Air Coolers (CAC) Hose

Charge Air- Hot side CAC Hose Convoluted

Hose Part Number	I.D.		Overall Length	
	mm	in	mm	in
FF90801-01	63.50	2.50	152.40	6.00
FF90801-02	76.20	3.00	152.40	6.00
FF90801-03	88.90	3.50	152.40	6.00
FF90801-04	101.60	4.00	152.40	6.00
FF90801-05	101.60	4.00	177.80	7.00
FF90801-06	101.60	4.00	203.20	8.00
FF90801-07	114.30	4.50	152.40	6.00
FF90801-08	127.00	5.00	152.40	6.00



Construction

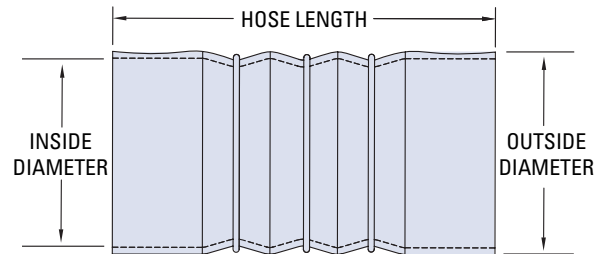
- 4 plies of silicone rubber with aramid woven reinforcement with red cover and 304 stainless steel restraining rings

Operating Temperatures

- -65° F to + 500° F
- -54° C to +260° C
- Designed and engineered to connect engine mounted charge air systems
- UV and ozone resistant
- Ideal for minor misalignments and handling vibration between hose ends

Charge Air- Cold side CAC Hose Convoluted

Hose Part Number	I.D.		Overall Length	
	mm	in	mm	in
FF90800-01	63.50	2.50	152.40	6.00
FF90800-02	76.20	3.00	152.40	6.00
FF90800-03	88.90	3.50	152.40	6.00
FF90800-04	101.60	4.00	152.40	6.00
FF90800-05	101.60	4.00	177.80	7.00
FF90800-06	101.60	4.00	203.20	8.00
FF90800-07	114.30	4.50	152.40	6.00
FF90800-08	127.00	5.00	152.40	6.00



Construction

- 4 plies of silicone rubber with polyester woven reinforcement with blue cover and 304 stainless steel restraining rings

Operating Temperatures

- -65° F to + 350° F
- -54° C to +177° C
- Designed and engineered to connect engine mounted charge air systems
- UV and ozone resistant
- Ideal for minor misalignments and handling vibration between hose ends
- 304 stainless steel rings reduce swelling and increase hoop strength

Hump Hose - Hot Side

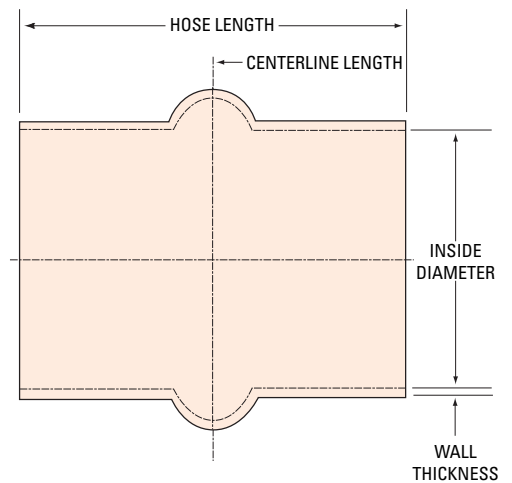
Hose Part Number	Hose I.D.		Hose O.D.		Overall Length	
	mm	in	mm	in	mm	in
FF90829-12	19.00	0.75	27.10	1.07	152.40	6.00
FF90829-16	25.40	1.00	33.40	1.32	152.40	6.00
FF90829-20	31.80	1.25	39.80	1.57	152.40	6.00
FF90829-24	38.10	1.50	46.10	1.82	152.40	6.00
FF90829-28	44.40	1.75	52.50	2.07	152.40	6.00
FF90829-32	50.80	2.00	58.80	2.32	152.40	6.00
FF90829-36	57.20	2.25	65.20	2.57	152.40	6.00
FF90829-40	63.50	2.50	71.50	2.82	152.40	6.00
FF90829-44	69.80	2.75	77.90	3.07	152.40	6.00
FF90829-48	76.20	3.00	84.20	3.32	152.40	6.00
FF90829-52	82.60	3.25	90.60	3.57	152.40	6.00
FF90829-56	88.90	3.50	96.90	3.82	152.40	6.00
FF90829-60	95.20	3.75	103.30	4.07	152.40	6.00
FF90829-64	101.60	4.00	109.60	4.32	152.40	6.00
FF90829-72	114.30	4.50	122.30	4.82	152.40	6.00
FF90829-80	127.00	5.00	135.00	5.32	152.40	6.00
FF90829-88	139.70	5.50	147.70	5.82	152.40	6.00
FF90829-96	152.40	6.00	160.40	6.32	152.40	6.00

Construction

- Silicone with aramid reinforcement with red cover

Operating Temperatures

- -65° F to + 500° F
- -54° C to +260° C
- Designed and engineered for a wide variety of high temperature turbocharger applications
- UV and ozone resistant
- Compensates for system misalignment and offsets vibration



Hump Hose - Cold Side

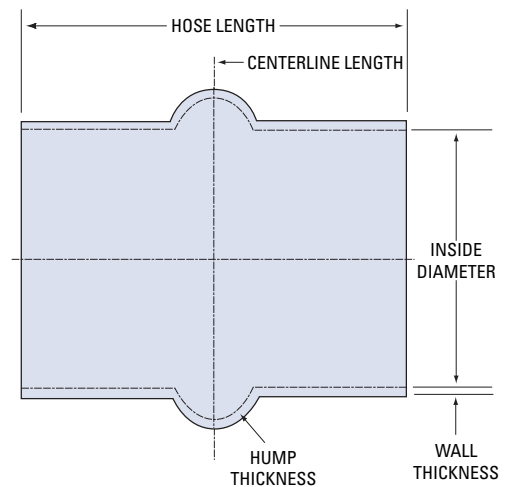
Hose Part Number	Hose I.D.		Hose O.D.		Overall Length	
	mm	in	mm	in	mm	in
FF90830-12	19.00	0.75	28.50	1.12	152.40	6.00
FF90830-16	25.40	1.00	34.85	1.37	152.40	6.00
FF90830-20	31.80	1.25	41.20	1.62	152.40	6.00
FF90830-24	38.10	1.50	47.55	1.87	152.40	6.00
FF90830-28	44.40	1.75	53.90	2.07	152.40	6.00
FF90830-32	50.80	2.00	60.25	2.37	152.40	6.00
FF90830-36	57.20	2.25	66.60	2.62	152.40	6.00
FF90830-40	63.50	2.50	72.95	2.87	152.40	6.00
FF90830-44	69.80	2.75	79.30	3.12	152.40	6.00
FF90830-48	76.20	3.00	85.65	3.37	152.40	6.00
FF90830-52	82.60	3.25	92.00	3.62	152.40	6.00
FF90830-56	88.90	3.50	98.35	3.87	152.40	6.00
FF90830-60	95.20	3.75	104.70	4.12	152.40	6.00
FF90830-64	101.60	4.00	111.05	4.37	152.40	6.00
FF90830-72	114.30	4.50	123.75	4.87	152.40	6.00
FF90830-80	127.00	5.00	136.45	5.37	152.40	6.00
FF90830-88	139.70	5.50	149.15	5.87	152.40	6.00
FF90830-96	152.40	6.00	161.85	6.37	152.40	6.00

Construction

- Silicone with polyester reinforcement with red cover

Operating Temperatures

- -65° F to + 350° F
- -54° C to +177° C
- Designed and engineered for a wide variety of high temperature turbocharger applications
- UV and ozone resistant
- Compensates for system misalignment and offsets vibration



Elbows 45° Hot Side

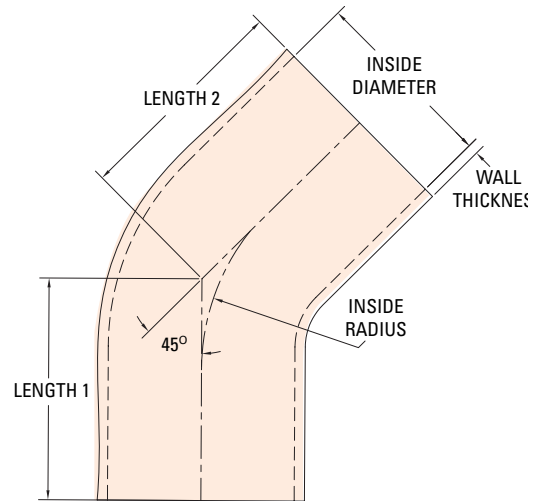
Hose Part Number	Hose I.D.		Length 1		Length 2		Radius	
	mm	in	mm	in	mm	in	mm	in
FF90836-01	16.00	0.63	152.40	6.00	152.40	6.00	25.40	1.00
FF90836-02	19.10	0.75	152.40	6.00	152.40	6.00	25.40	1.00
FF90836-03	22.40	0.88	152.40	6.00	152.40	6.00	38.10	1.50
FF90836-04	25.40	1.00	152.40	6.00	152.40	6.00	38.10	1.50
FF90836-05	31.80	1.25	152.40	6.00	152.40	6.00	44.40	1.80
FF90836-06	38.10	1.50	152.40	6.00	152.40	6.00	50.80	2.00
FF90836-07	44.40	1.75	152.40	6.00	152.40	6.00	44.40	1.80
FF90836-08	47.80	1.88	152.40	6.00	152.40	6.00	76.20	3.00
FF90836-09	50.80	2.00	152.40	6.00	152.40	6.00	101.60	4.00
FF90836-10	57.20	2.25	152.40	6.00	152.40	6.00	101.60	4.00
FF90836-11	57.20	2.25	152.40	6.00	152.40	6.00	57.20	2.30
FF90836-12	63.50	2.50	152.40	6.00	152.40	6.00	63.50	2.50
FF90836-13	69.90	2.75	152.40	6.00	152.40	6.00	88.90	3.50
FF90836-14	76.20	3.00	152.40	6.00	152.40	6.00	63.50	2.50
FF90836-15	88.90	3.50	152.40	6.00	152.40	6.00	88.90	3.50
FF90836-16	101.60	4.00	152.40	6.00	152.40	6.00	101.60	4.00

Construction

- 4 plies of silicone rubber with aramid woven reinforcement with red cover

Operating Temperatures

- -65° F to + 500° F
- -54° C to +260° C
- Designed and engineered for a wide variety of high temperature turbocharger applications
- UV and ozone resistant
- Resistant to minor oil splash and petrochemical exposure



Elbows 45° Cold Side

Meets or exceeds SAE J20 R1 Class A

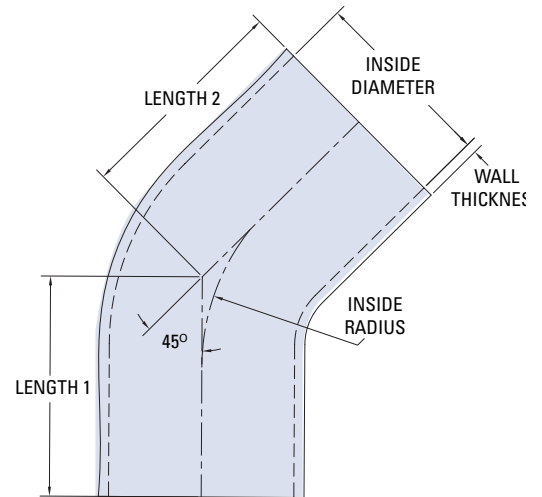
Hose Part Number	Hose I.D.		Length 1		Length 2		Radius	
	mm	in	mm	in	mm	in	mm	in
FF90803-01	16.00	0.63	152.40	6.00	152.40	6.00	25.40	1.00
FF90803-02	19.10	0.75	152.40	6.00	152.40	6.00	25.40	1.00
FF90803-03	22.40	0.88	152.40	6.00	152.40	6.00	38.10	1.50
FF90803-04	25.40	1.00	152.40	6.00	152.40	6.00	38.10	1.50
FF90803-05	31.80	1.25	152.40	6.00	152.40	6.00	44.40	1.75
FF90803-06	38.10	1.50	152.40	6.00	152.40	6.00	50.80	2.00
FF90803-07	44.40	1.75	152.40	6.00	152.40	6.00	44.40	1.75
FF90803-08	47.80	1.88	152.40	6.00	152.40	6.00	76.20	3.00
FF90803-09	50.80	2.00	152.40	6.00	152.40	6.00	101.60	4.00
FF90803-10	57.20	2.25	152.40	6.00	228.60	9.00	57.20	2.25
FF90803-11	57.20	2.25	152.40	6.00	152.40	6.00	101.60	4.00
FF90803-12	57.20	2.25	152.40	6.00	152.40	6.00	57.20	2.25
FF90803-13	63.50	2.50	152.40	6.00	152.40	6.00	76.20	3.00
FF90803-14	63.50	2.50	152.40	6.00	152.40	6.00	63.50	2.50
FF90803-15	69.90	2.75	152.40	6.00	152.40	6.00	88.90	3.50
FF90803-16	76.20	3.00	152.40	6.00	152.40	6.00	101.60	4.00

Construction

- 4 plies of silicone rubber with polyester woven reinforcement with blue cover

Operating Temperatures

- -65° F to + 350° F
- -54° C to +177° C
- UV and ozone resistant



Elbows 90° Hot Side

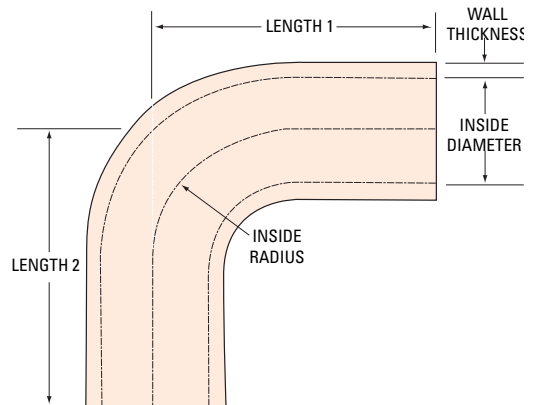
Hose Part Number	Hose I.D.		Length 1		Length 2		Radius	
	mm	in	mm	in	mm	in	mm	in
FF90835-01	16.00	0.63	152.40	6.00	152.40	6.00	25.40	1.00
FF90835-02	19.10	0.75	152.40	6.00	152.40	6.00	25.40	1.00
FF90835-03	22.40	0.88	152.40	6.00	152.40	6.00	38.10	1.50
FF90835-04	25.40	1.00	152.40	6.00	152.40	6.00	38.10	1.50
FF90835-05	31.80	1.25	152.40	6.00	152.40	6.00	44.40	1.75
FF90835-06	38.10	1.50	152.40	6.00	152.40	6.00	50.80	2.00
FF90835-07	44.40	1.75	152.40	6.00	152.40	6.00	44.40	1.75
FF90835-08	47.80	1.88	152.40	6.00	152.40	6.00	76.20	3.00
FF90835-09	50.80	2.00	152.40	6.00	152.40	6.00	101.60	4.00
FF90835-10	57.20	2.25	152.40	6.00	152.40	6.00	101.60	4.00
FF90835-11	57.20	2.25	152.40	6.00	152.40	6.00	57.20	2.25
FF90835-13	63.50	2.50	152.40	6.00	152.40	6.00	63.50	2.50
FF90835-14	69.90	2.75	152.40	6.00	152.40	6.00	88.90	3.50
FF90835-15	76.20	3.00	152.40	6.00	152.40	6.00	63.50	2.50
FF90835-18	88.90	3.50	152.40	6.00	152.40	6.00	88.90	3.50
FF90835-19	101.60	4.00	152.40	6.00	152.40	6.00	101.60	4.00

Construction

- 4 plies of silicone rubber with aramid woven reinforcement with red cover

Operating Temperatures

- -65° F to + 500° F
- -54° C to +260° C
- Designed and engineered for a wide variety of high temperature turbocharger applications
- UV and ozone resistant
- Resistant to minor oil splash and petrochemical exposure



Elbows 90° Cold Side

Meets or exceeds SAE J20 R1 Class A

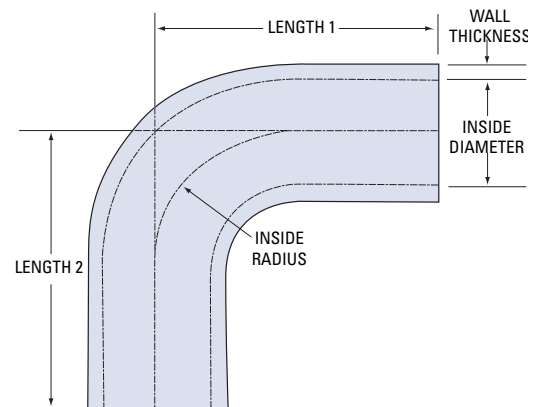
Hose Part Number	Hose I.D.		Length 1		Length 2		Radius	
	mm	in	mm	in	mm	in	mm	in
FF90802-01	16.00	0.63	152.40	6.00	152.40	6.00	25.40	1.00
FF90802-02	19.10	0.75	152.40	6.00	152.40	6.00	25.40	1.00
FF90802-03	22.40	0.88	152.40	6.00	152.40	6.00	38.10	1.50
FF90802-04	25.40	1.00	152.40	6.00	152.40	6.00	38.10	1.50
FF90802-05	31.80	1.25	152.40	6.00	152.40	6.00	44.50	1.75
FF90802-06	38.10	1.50	152.40	6.00	152.40	6.00	50.80	2.00
FF90802-07	44.50	1.75	152.40	6.00	152.40	6.00	44.50	1.75
FF90802-08	47.80	1.88	152.40	6.00	152.40	6.00	76.20	3.00
FF90802-09	50.80	2.00	152.40	6.00	152.40	6.00	101.60	4.00
FF90802-10	57.20	2.25	152.40	6.00	228.60	9.00	57.20	2.25
FF90802-11	57.20	2.25	152.40	6.00	152.40	6.00	101.60	4.00
FF90802-12	57.20	2.25	152.40	6.00	152.40	6.00	57.20	2.25
FF90802-13	63.50	2.50	152.40	6.00	152.40	6.00	76.20	3.00
FF90802-14	63.50	2.50	152.40	6.00	152.40	6.00	63.50	2.50
FF90802-15	69.90	2.75	152.40	6.00	152.40	6.00	88.90	3.50
FF90802-16	76.20	3.00	152.40	6.00	152.40	6.00	101.60	4.00
FF90802-17	76.20	3.00	152.40	6.00	152.40	6.00	76.20	3.00
FF90802-18	76.20	3.00	152.40	6.00	152.40	6.00	127.00	5.00
FF90802-19	88.90	3.50	152.40	6.00	152.40	6.00	88.90	3.50
FF90802-20	101.60	4.00	152.40	6.00	152.40	6.00	101.60	4.00

Construction

- 4 plies of silicone rubber with polyester woven reinforcement with blue cover

Operating Temperatures

- -65° F to + 350° F
- -54° C to +177° C
- UV and ozone resistant



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