

DISTRIBUTOR CATALOG





BENEFITS AND APPLICATIONS OF SILICONE RUBBER

- Why would you design or produce a part made of silicone rubber when so many other elastomers are available? A primary reason is reliability...the ability to perform not only under normal conditions, but also in the severe extremes of industry, environment, temperature, and voltage. Silicone rubber components have a useful life that is far superior under conditions that would cause the deterioration of many parts made of typical organic materials.
- Silicone rubber has tremendous resistance to temperature extremes. Under certain conditions, temperatures as high as 500°F (316°C) or as low as -65°F (-54°C) do not destroy its physical and electrical properties. Silicone rubber retains a far higher tensile strength, ultimate elongation, and tear resistance, and less compression set at elevated and reduced temperatures than do many organic rubbers. Elasticity is retained at temperatures as low as -65°F (-54°C)...where parts made from other elastomers would simply shatter apart if dropped.
- Silicone rubber, a good non-conductive insulating material, can be compounded with proper additives to produce a wide range of electrical insulating properties. Electrical failure occurs when the environment destroys the physical properties of the elastomer. However, silicone rubber with its excellent resistance to severe environmental conditions provides constant electrical insulation properties much longer than other elastomeric materials. The dielectric breakdown is between 400 and 700 volts/mil depending on the compound.
- Silicone rubber is superior to other elastomers in its resistance to compression set (deformation). It shows a marked superiority at both high and low temperatures. This is particularly important when a silicone rubber part is used as a diaphragm, impact absorber, bellows, or in other applications where the component is placed under pressure or is flexed.
- Silicone rubber is odorless and tasteless. It is very stable and does not contain sulfur or other acid producing chemicals that generate out-gassing. It also does not cause staining, corrosion or deterioration of other materials. Silicone rubber will not support the growth of fungus, mold or bacteria.
- Silicone rubber has excellent resistance to many chemicals and fluids commonly encountered in service. Its resistance to chemicals is particularly useful at temperatures which prevent the use of other materials. Silicone rubber also has excellent resistance to chemicals normally found in the soil. Fluorosilicone with its unique properties provides resistance to many fuels, oils, and solvents, including gasoline. Examples of some of the chemicals that silicone rubber is resistant to are:
IRM901 * Heavy Water * Ethylene Glycol (anti-freeze) * Sodium Hydroxide, 3 mole * Natural Gas * Vegetable Oil
- Extensive weathering tests have shown that silicone rubber substantially resists the deteriorating effects of sunlight, ozone, rain water, and atmospheric gases which cause weathering. Even very dry conditions coupled with harsh sunlight will not dry out or have a negative effect on silicone rubber.
- Silicone rubber is noted for its water resistance. It has an extremely low degree of water absorption and its mechanical properties show minimal change, even after long periods of immersion. After four years of undersea exposure, at a depth of 4,350 feet, silicone rubber samples showed little change in appearance or properties compared to shelf-aged, control samples. At low or moderate pressure, silicone rubber is hardly affected by steam.
- To some extent, silicone rubber is inherently flame retardant and most formulations will pass UL 94 HB. Specially formulated compounds have approval for use where flame retardant materials are required and must meet the UL 94V-0 rating.

FLEXFAB SILICONE PRODUCTS:

The uniqueness of silicone rubber provides its users with mechanical, thermal, electrical, and chemical attributes not found in other elastomers. Resistant to hostile environments and damaging elements; strong yet flexible; long service life; the key ingredients in setting silicone rubber products above the rest.

From flexible hose, duct and sleeves to high temperature gaskets, electric heat tapes, conveyor belting, etc.... Silicone rubber products and fabricating have proven to provide above average protection from potentially harmful elements.

SNAPSHOT: FEATURES AND BENEFITS

- Resistant to a wide range of temperatures
- Resistant to hardening, cracking, ozone attack, sunlight
- Resistant to moisture, steam, dust, aging, various pressure ranges
- Resistant to many chemicals
- Retains flexibility in hostile engine environments
- Excellent electrical insulating properties
- Longer life than EPDM (Black Rubber)



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5515 AND 5500: 3-PLY COOLANT HOSE

Available in a Blue or Green Cover

Stocked in 3' Lengths

12' Lengths Also Available (Please Call For Availability)



Part Number Reference:
FLX5515-300 (3 Foot Stick)
FLX5515-300x12 (12 Foot Stick)

Construction:

- Silicone hose with 3-ply of Polyester Reinforcement

Specifications:

- Meets or exceeds the operating requirements of SAE J20 R1
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Custom Wall Thickness is .140"/.190"

Applications:

- For heavy duty pressure connections in hostile engine environments
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- Ideal for extreme temperature and various pressure ranges where high performance levels are required

5515 AND 5500: 3-PLY COOLANT HOSE

Blue Series Part Number	Green Series Part Number	Inside Diameter		Outside Diameter		Actual Burst Pressure - PSI	Burst Pressure - PSI		Weight (LB/FT)
		Inch	MM	Inch	MM		SAE J20 R1	TMC	
5515-038	5500-038	0.38	10	0.70	18	500	425	125	0.12
5515-050	5500-050	0.50	13	0.82	21	500	425	125	0.16
5515-062	5500-062	0.63	16	0.95	24	485	425	125	0.20
5515-075	5500-075	0.75	19	1.07	27	475	325	125	0.24
5515-087	5500-087	0.88	22	1.20	30	465	300	125	0.28
5515-100	5500-100	1.00	25	1.32	34	450	300	125	0.32
5515-112	5500-112	1.13	29	1.45	37	435	300	125	0.36
5515-125	5500-125	1.25	32	1.57	40	425	275	125	0.40
5515-138	5500-138	1.38	35	1.70	43	400	250	125	0.44
5515-150	5500-150	1.50	38	1.82	46	375	250	125	0.48
5515-162	5500-162	1.63	41	1.95	50	350	225	125	0.52
5515-175	5500-175	1.75	44	2.07	53	300	225	125	0.56
5515-187	5500-187	1.88	48	2.20	56	250	200	100	0.60
5515-200	5500-200	2.00	51	2.32	59	250	200	100	0.64
5515-212	5500-212	2.13	54	2.45	62	235	175	100	0.68
5515-225	5500-225	2.25	57	2.57	65	225	175	100	0.72
5515-238	5500-238	2.38	60	2.70	69	210	150	100	0.76
5515-250	5500-250	2.50	64	2.82	72	200	150	100	0.80
5515-262	5500-262	2.63	67	2.95	75	200	125	100	0.84
5515-275	5500-275	2.75	70	3.07	78	200	125	100	0.88
5515-287	5500-287	2.88	73	3.20	81	200	100	100	0.92
5515-300	5500-300	3.00	76	3.32	84	200	100	100	0.96
5515-312	5500-312	3.13	80	3.45	88	175	75	100	1.00
5515-325	5500-325	3.25	83	3.57	91	175	75	100	1.04
5515-338	5500-338	3.38	86	3.70	94	150	75	100	1.08
5515-350	5500-350	3.50	89	3.82	97	150	75	100	1.12
5515-375	5500-375	3.75	95	4.07	103	135	50	100	1.20
5515-387	5500-387	3.88	99	4.20	107	125	50	100	1.24
5515-400	5500-400	4.00	102	4.32	110	125	50	100	1.28
5515-450	5500-450	4.50	114	4.82	122	100	N/A	N/A	1.44
5515-500	5500-500	5.00	127	5.32	135	90	N/A	N/A	1.60
5515-550	5500-550	5.50	140	5.82	148	75	N/A	N/A	1.76
5515-600	5500-600	6.00	152	6.32	161	75	N/A	N/A	1.92

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





5581 AND 5501: 4-PLY COOLANT HOSE

Available in a Blue or Green Cover

Stocked in 3' Lengths

12' Lengths Also Available (Please Call For Availability)



Part Number Reference:

FLX5581-300 (3 Foot Stick)

FLX5581-300x12 (12 Foot Stick)

Construction:

- Silicone hose with 4-ply of Polyester Reinforcement

Specifications:

- Meets or exceeds the operating requirements of SAE J20 R1
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Standard Wall Thickness is .170"/.220"

Applications:

- For heavy duty pressure connections in hostile engine environments
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- Ideal for extreme temperature and various pressure ranges where high performance levels are required

5581 AND 5501: 4-PLY COOLANT HOSE

Blue Series Part Number	Green Series Part Number	Inside Diameter		Outside Diameter		Actual Burst Pressure - PSI	Burst Pressure - PSI		Weight (LB/FT)
		Inch	MM	Inch	MM		SAE J20 R1	TMC	
5581-038	5501-038	0.38	10	0.77	20	600	425	125	0.16
5581-050	5501-050	0.50	13	0.89	23	600	425	125	0.20
5581-062	5501-062	0.63	16	1.02	26	585	425	125	0.24
5581-075	5501-075	0.75	19	1.14	29	575	325	125	0.29
5581-087	5501-087	0.88	22	1.27	32	560	300	125	0.34
5581-100	5501-100	1.00	25	1.39	35	550	300	125	0.39
5581-112	5501-112	1.13	29	1.52	39	525	300	125	0.44
5581-125	5501-125	1.25	32	1.64	42	500	275	125	0.49
5581-138	5501-138	1.38	35	1.77	45	475	250	125	0.54
5581-150	5501-150	1.50	38	1.89	48	450	250	125	0.59
5581-162	5501-162	1.63	41	2.02	51	425	225	125	0.63
5581-175	5501-175	1.75	44	2.14	54	400	225	125	0.68
5581-187	5501-187	1.88	48	2.27	58	400	200	100	0.73
5581-200	5501-200	2.00	51	2.39	61	400	200	100	0.78
5581-212	5501-212	2.13	54	2.52	64	375	175	100	0.83
5581-225	5501-225	2.25	57	2.64	67	350	175	100	0.88
5581-238	5501-238	2.38	60	2.77	70	325	150	100	0.93
5581-250	5501-250	2.50	64	2.89	73	300	150	100	0.98
5581-262	5501-262	2.63	67	3.02	77	285	125	100	1.02
5581-275	5501-275	2.75	70	3.14	80	275	125	100	1.07
5581-287	5501-287	2.88	73	3.27	83	250	100	100	1.12
5581-300	5501-300	3.00	76	3.39	86	250	100	100	1.17
5581-312	5501-312	3.13	80	3.52	89	225	75	100	1.22
5581-325	5501-325	3.25	83	3.64	92	225	75	100	1.27
5581-338	5501-338	3.38	86	3.77	96	200	75	100	1.32
5581-350	5501-350	3.50	89	3.89	99	200	75	100	1.37
5581-375	5501-375	3.75	95	4.14	105	175	50	100	1.46
5581-400	5501-400	4.00	102	4.39	112	150	50	100	1.56
5581-450	5501-450	4.50	114	4.89	124	150	N/A	N/A	1.76
5581-500	5501-500	5.00	127	5.39	137	125	N/A	N/A	1.95
5581-550	5501-550	5.50	140	5.89	150	100	N/A	N/A	2.16
5581-600	5501-600	6.00	152	6.39	162	100	N/A	N/A	2.34

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





5415 GLOSSY: 3-PLY COOLANT HOSE

Only Available in a Blue Cover

Stocked in 3' Lengths



Part Number Reference:
FLX5581-300 (3 Foot Stick)
FLX5581-300x12 (12 Foot Stick)

Construction:

- Silicone hose with 3-ply of Polyester Reinforcement

Specifications:

- Meets or exceeds the operating requirements of SAE J20 R1
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Custom Wall Thickness is .140"/.190"

Applications:

- For heavy duty pressure connections in hostile engine environments
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- Ideal for extreme temperature and various pressure ranges where high performance levels are required

5415 GLOSSY: 3-PLY COOLANT HOSE

Part Number	Inside Diameter		Outside Diameter		Actual Burst Pressure - PSI	Burst Pressure - PSI		Weight (LB/FT)
	Inch	MM	Inch	MM		SAE J20 R1	TMC	
5415-038	0.38	10	0.70	18	500	425	125	0.12
5415-050	0.50	13	0.82	21	500	425	125	0.16
5415-062	0.63	16	0.95	24	485	425	125	0.20
5415-075	0.75	19	1.07	27	475	325	125	0.24
5415-087	0.88	22	1.20	30	465	300	125	0.28
5415-100	1.00	25	1.32	34	450	300	125	0.32
5415-112	1.13	29	1.45	37	435	300	125	0.36
5415-125	1.25	32	1.57	40	425	275	125	0.40
5415-138	1.38	35	1.70	43	400	250	125	0.44
5415-150	1.50	38	1.82	46	375	250	125	0.48
5415-162	1.63	41	1.95	50	350	225	125	0.52
5415-175	1.75	44	2.07	53	300	225	125	0.56
5415-187	1.88	48	2.20	56	250	200	100	0.60
5415-200	2.00	51	2.32	59	250	200	100	0.64
5415-212	2.13	54	2.45	62	235	175	100	0.68
5415-225	2.25	57	2.57	65	225	175	100	0.72
5415-238	2.38	60	2.70	69	210	150	100	0.76
5415-250	2.50	64	2.82	72	200	150	100	0.80
5415-262	2.63	67	2.95	75	200	125	100	0.84
5415-275	2.75	70	3.07	78	200	125	100	0.88
5415-287	2.88	73	3.20	81	200	100	100	0.92
5415-300	3.00	76	3.32	84	200	100	100	0.96
5415-312	3.13	80	3.45	88	175	75	100	1.00
5415-325	3.25	83	3.57	91	175	75	100	1.04
5415-338	3.38	86	3.70	94	150	75	100	1.08
5415-350	3.50	89	3.82	97	150	75	100	1.12
5415-375	3.75	95	4.07	103	135	50	100	1.20
5415-387	3.88	99	4.20	107	125	50	100	1.24
5415-400	4.00	102	4.32	110	125	50	100	1.28
5415-450	4.50	114	4.82	122	100	N/A	N/A	1.44
5415-500	5.00	127	5.32	135	90	N/A	N/A	1.60
5415-550	5.50	140	5.82	148	75	N/A	N/A	1.76
5415-600	6.00	152	6.32	161	75	N/A	N/A	1.92

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





5526 STANDARD HEATER HOSE

Blue Cover, with Nylon Fiber Reinforcement

Stocked in 25' and 50' Boxes

Available in longer lengths on standard wooden spools



Construction:

- Silicone hose with 1-ply of Nylon Fiber Reinforcement

Specifications:

- Meets or exceeds the operating requirements of SAE J20 R3 Class A
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Standard Wall Thickness is .140"/.170"
- Continuous lengths are not guaranteed, if continuous lengths are required please contact sales for price and availability

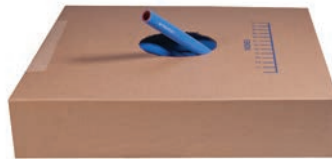
Applications:

- Resistant to coolant additives
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- Ideal for extreme temperature and various pressure ranges where high performance levels are required

5526 STANDARD HEATER HOSE

Part Number	Inside Diameter		Outside Diameter		Actual Burst Pressure - PSI	Burst Pressure PSI			Weight (LB/FT)	Overall Length (Feet)
	Inch	MM	Inch	MM		SAE J20 R3	TMC			
5526-025x25	0.25	6	0.58	15	320	250	125	0.111	25' Box	
5526-025x50	0.25	6	0.58	15	320	250	125	0.111	50' Box	
5526-025x800	0.25	6	0.58	15	320	250	125	0.111	800' Spool	
5526-031x25	0.31	8	0.64	16	310	250	125	0.128	25' Box	
5526-031x50	0.31	8	0.64	16	310	250	125	0.128	50' Box	
5526-031x600	0.31	8	0.64	16	310	250	125	0.128	600' Spool	
5526-038x25	0.38	10	0.71	18	310	250	125	0.145	25' Box	
5526-038x50	0.38	10	0.71	18	310	250	125	0.145	50' Box	
5526-038x600	0.38	10	0.71	18	310	250	125	0.145	600' Spool	
5526-050x25	0.50	13	0.83	21	310	250	125	0.181	25' Box	
5526-050x50	0.50	13	0.83	21	310	250	125	0.181	50' Box	
5526-050x500	0.50	13	0.83	21	310	250	125	0.181	500' Spool	
5526-062x25	0.63	16	0.96	24	300	250	125	0.216	25' Box	
5526-062x50	0.63	16	0.96	24	300	250	125	0.216	50' Box	
5526-062x400	0.63	16	0.96	24	300	250	125	0.216	400' Spool	
5526-075x25	0.75	19	1.08	27	300	200	125	0.25	25' Box	
5526-075x50	0.75	19	1.08	27	300	200	125	0.25	50' Box	
5526-075x300	0.75	19	1.08	27	300	200	125	0.25	300' Spool	
5526-087x25	0.88	22	1.21	31	250	175	125	0.287	25' Box	
5526-087x50	0.88	22	1.21	31	250	175	125	0.287	50' Box	
5526-087x200	0.88	22	1.21	31	250	175	125	0.287	200' Spool	
5526-100x25	1.00	25	1.33	34	250	175	125	0.324	25' Box	
5526-100x50	1.00	25	1.33	34	250	175	125	0.324	50' Box	
5526-100x200	1.00	25	1.33	34	250	175	125	0.324	200' Spool	
5526-125x25	1.25	32	1.58	40	200	175	125	0.385	25' Box	
5526-125x50	1.25	32	1.58	40	200	175	125	0.385	50' Box	
5526-125x150	1.25	32	1.58	40	200	175	125	0.385	150' Spool	

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





5521 PREMIUM HEATER HOSE

Green Cover, with Nylon Fiber Reinforcement

Stocked in 25' and 50' Boxes

Thicker Wall for Higher Pressure Handling Than Standard Heater Hose

Available in longer lengths on standard wooden spools



Construction:

- Silicone hose with 1-ply of Nylon Fiber Reinforcement

Specifications:

- Meets or exceeds the operating requirements of SAE J20 R3 Class A
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Standard Wall Thickness is .170"/.220"
- Continuous lengths are not guaranteed, if continuous lengths are required please contact sales for price and availability

Applications:

- Resistant to coolant additives
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- Ideal for extreme temperature and various pressure ranges where high performance levels are required

5521 PREMIUM HEATER HOSE

Part Number	Inside Diameter		Outside Diameter		Actual Burst Pressure - PSI	Burst Pressure - PSI		Weight (LB/FT)	Overall Length (Feet)
	Inch	MM	Inch	MM		SAE J20 R1	TMC		
5521-025x25	0.25	6	0.64	16	475	475	125	0.121	25' Box
5521-025x50	0.25	6	0.64	16	475	475	125	0.121	50' Box
5521-025x800	0.25	6	0.64	16	475	475	125	0.121	800' Spool
5521-031x25	0.31	8	0.70	18	475	475	125	0.151	25' Box
5521-031x50	0.31	8	0.70	18	475	475	125	0.151	50' Box
5521-031x600	0.31	8	0.70	18	475	475	125	0.151	600' Spool
5521-038x25	0.38	10	0.77	20	475	475	125	0.181	25' Box
5521-038x50	0.38	10	0.77	20	475	475	125	0.181	50' Box
5521-038x500	0.38	10	0.77	20	475	475	125	0.181	600' Spool
5521-050x25	0.50	13	0.89	23	425	425	125	0.226	25' Box
5521-050x50	0.50	13	0.89	23	425	425	125	0.226	50' Box
5521-050x500	0.50	13	0.89	23	425	425	125	0.226	500' Spool
5521-062x25	0.63	16	1.02	26	375	375	125	0.258	25' Box
5521-062x50	0.63	16	1.02	26	375	375	125	0.258	50' Box
5521-062x400	0.63	16	1.02	26	375	375	125	0.258	400' Spool
5521-075x25	0.75	19	1.14	29	325	325	125	0.301	25' Box
5521-075x50	0.75	19	1.14	29	325	325	125	0.301	50' Box
5521-075x300	0.75	19	1.14	29	325	325	125	0.301	300' Spool
5521-087x25	0.88	22	1.27	32	300	300	125	0.346	25' Box
5521-087x50	0.88	22	1.27	32	300	300	125	0.346	50' Box
5521-087x150	0.88	22	1.27	32	300	300	125	0.346	200' Spool
5521-100x25	1.00	25	1.39	35	300	300	125	0.391	25' Box
5521-100x50	1.00	25	1.39	35	300	300	125	0.391	50' Box
5521-100x200	1.00	25	1.39	35	300	300	125	0.391	200' Spool
5521-125x25	1.25	32	1.64	42	200	275	125	0.491	25' Box
5521-125x50	1.25	32	1.64	42	200	275	125	0.491	50' Box
5521-125x150	1.25	32	1.64	42	200	275	125	0.491	150' Spool

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





SPECIALTY COOLANT HOSE



Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Stainless Steel Rings	Burst Pressure - PSI	Weight LBS
	Inch	MM	Inch	MM				
A. 7730-0001	3.00	76	3.23	82	6.00	No	90	0.5
B. 7967	2.50	64	2.82	72	8.50	Yes	150	0.5
C. 7965	2.50	64	2.92	74	10.00	No	150	0.5

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

A. 7730-0001: Coolant Sleeve

- Specially designed coolant hose for unique applications. Sales should be consulted before use in new applications as pressure ratings are very specific.
- Hose can also be used for a cold side charge-air-cooler application as well
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Maximum operating pressure is 30psi with a 90psi burst pressure rating
- 4-ply polyester reinforced hose

B. 7967: Coolant Bellows

- Once installed, the hose can handle up to 1.00" of lateral movement in the application
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Meets or exceeds the operating requirements of SAE J20 R1
- 3-ply polyester reinforced hose

C. 7965: Coolant Elbow

- Used for a 90° coolant connection between pipes
- Tighter bend radius than most other 90° elbows
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Meets or exceeds the operating requirements of SAE J20 R1
- 4-ply polyester reinforced hose

CAC CONVOLUTED REDUCERS



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

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

Can be used on both hot side and cold side of the CAC system.

Construction:

- 4-Ply Silicone Coated Meta-Aramid Fabric with Stainless Steel Pressure Retention Rings

Specifications:

- Temperature range is -65°F (-54°C) to +500°F (+260°C)

Applications:

- Used on diesel truck engines to deliver pressurized intake air to the charge air intercooler and intake manifold



CHARGE AIR CONNECTORS (CAC) – HOT SIDE AND COLD SIDE



HOT SIDE:

Construction:

- 4-Ply Silicone Coated Meta-Aramid Fabric with Stainless Steel Pressure Retention Rings

Specifications:

- Temperature range is -65°F (-54°C) to +500°F (+260°C)

Applications:

- Used on diesel truck engines to deliver pressurized intake air to the charge air intercooler and intake manifold

COLD SIDE:

Construction:

- 3-Ply Silicone Coated Polyester Fabric with Stainless Steel Pressure Retention Rings

Specifications:

- Temperature range is -65°F (-54°C) to +350°F (+177°C)

Applications:

- Used on diesel truck engines to deliver pressurized intake air to the charge air intercooler and intake manifold

CHARGE AIR CONNECTORS (CAC) – HOT SIDE

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Convolutes (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI	Weight LBS
	Inch	MM	Inch	MM					
7887	2.50	64	2.73	69	6.00	2	3	60	0.5
7731-0001	3.00	76	3.23	82	6.00	2	3	60	0.5
7732-0001	3.50	89	3.73	95	6.00	2	3	55	0.5
7717	3.50	89	3.73	95	7.50	2	3	55	0.5
7715-0002	4.00	102	4.23	107	6.00	2	3	50	0.5
7723	4.00	102	4.23	107	6.00	1	2	50	0.5
4070-0001	4.00	102	4.23	107	6.00	2	3	50	0.5
1020-0001	4.00	102	4.23	107	6.50	2	3	50	0.5
7716	4.00	102	4.23	107	7.00	2	3	50	0.6
7728	4.00	102	4.23	107	7.50	2	3	50	0.6
7727-0001	4.00	102	4.23	107	8.00	2	3	50	0.7
7742-0001	4.50	114	4.73	120	6.00	2	3	45	0.5
7797	5.00	127	5.23	133	6.00	2	3	35	0.5

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



CHARGE AIR CONNECTORS (CAC) – COLD SIDE

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

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





CHARGE AIR CONNECTORS (CAC) – HOT SIDE: DURAGUARD™



Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Stainless Steel Rings	Maximum Operating Pressure - PSI	Weight LBS
	Inch	MM	Inch	MM				
1074-0003	3.00	76	3.23	82	6.00	Yes	60	0.5
1073-0003	3.50	89	3.73	95	6.00	Yes	55	0.5
1070-0003	4.00	102	4.23	107	6.00	Yes	50	0.5
1075-0003	4.50	114	4.73	120	6.00	Yes	45	0.5

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

Construction:

- 4-Ply Silicone Coated Meta-Aramid Fabric with Stainless Steel Pressure Retention Rings
- High temperature fluorocarbon elastomeric liner

Specifications:

- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- Designed to meet the EPA 2007 and EURO IV & V requirements for reduced emissions

Applications:

- Used on diesel truck engines to deliver pressurized intake air to the charge air intercooler and intake manifold
- Fluorocarbon lining eliminates closed crankcase vapors from permeating through the sidewall of the intercooler connection bellows at 500°F (260°C)

7851 SERIES META – ARMID REINFORCED TURBO SLEEVES

Stocked in 25' and 50' Boxes



Part Number	Inside Diameter		Outside Diameter		Burst Pressure (PSI)	Maximum Operating Pressure - PSI	Weight (LB/FT)
	Inch	MM	Inch	MM			
7851-100	1.00	25	1.23	31	135	45	0.50
7851-150	1.50	38	1.73	44	120	40	0.60
7851-200	2.00	51	2.23	57	105	35	0.70
7851-250	2.50	64	2.73	69	90	30	0.80
7851-300	3.00	76	3.23	82	75	25	0.90
7851-350	3.50	89	3.73	95	60	20	1.00
7851-400	4.00	102	4.23	107	45	15	1.10
7851-500	5.00	127	5.23	133	30	10	1.20
7851-600	6.00	152	6.23	158	30	10	1.30

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

Construction:

- 4-Ply Silicone Coated Meta-Aramid Fabric Reinforcement

Specifications:

- Temperature range is -65°F (-54°C) to +500°F (+260°C)

Applications:

- For connection between the turbocharger and the engine
- Resists chemicals, steam, ozone, coolants, and aging conditions normally found in the engine environment



7701 SERIES FIBERGLASS REINFORCED TURBO SLEEVES

Stocked in 3' lengths (3-Ply Only)

12' Lengths Also Available (Please Call For Availability)

Available in 4-Ply and 6-Ply construction upon request



Part Number Reference:
FLX7701-300 (3 Foot Stick)
FLX7701-300x12 (12 Foot Stick)

Construction:

- 3-Ply Silicone Coated Fiberglass Fabric Reinforcement

Specifications:

- Temperature range is -65°F (-54°C) to +500°F (+260°C)

Applications:

- For connection between the turbocharger and the engine. Where no vibration is present
- Resists chemicals, steam, ozone, coolants, and aging conditions normally found in the engine environment

7701 SERIES FIBERGLASS REINFORCED TURBO SLEEVES

Part Number	Inside Diameter		Outside Diameter		Burst Pressure (PSI)	Maximum Operating Pressure - (PSI)	Weight (LB/FT)
	Inch	MM	Inch	MM			
7701-075	0.75	19	0.94	24	135	45	0.450
7701-087	0.88	22	1.07	27	135	45	0.475
7701-100	1.00	25	1.19	30	135	45	0.500
7701-112	1.12	28	1.31	33	120	40	0.525
7701-125	1.25	32	1.44	37	120	40	0.550
7701-138	1.38	35	1.57	40	120	40	0.575
7701-150	1.50	38	1.69	43	120	40	0.600
7701-162	1.63	41	1.82	46	105	35	0.625
7701-175	1.75	44	1.94	49	105	35	0.650
7701-187	1.88	48	2.07	53	105	35	0.675
7701-200	2.00	51	2.19	56	105	35	0.700
7701-212	2.13	54	2.32	59	90	30	0.725
7701-225	2.25	57	2.44	62	90	30	0.750
7701-238	2.38	60	2.57	65	90	30	0.775
7701-250	2.50	64	2.69	68	90	30	0.800
7701-262	2.63	67	2.82	72	75	25	0.825
7701-275	2.75	70	2.94	75	75	25	0.850
7701-287	2.88	73	3.07	78	75	25	0.875
7701-300	3.00	76	3.19	81	75	25	0.900
7701-312	3.13	80	3.32	84	60	20	0.925
7701-325	3.25	83	3.44	87	60	20	0.950
7701-338	3.38	86	3.57	91	60	20	0.975
7701-350	3.50	89	3.69	94	60	20	1.000
7701-375	3.75	95	3.94	100	45	15	1.050
7701-400	4.00	102	4.19	106	45	15	1.100
7701-425	4.25	108	4.44	113	30	10	1.150
7701-450	4.50	114	4.69	119	30	10	1.175
7701-500	5.00	127	5.19	132	30	10	1.200
7701-600	6.00	152	6.19	157	30	10	1.300

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



7884 - 90° AND 7896 - 45° SILICONE ELBOWS

Stocked with standard lengths



FLEXFAB 7884 AND 7896 SERIES ELBOWS SERVE A DUAL PURPOSE.

Can be used as a coolant hose

Can be used as a charge air connector (CAC)

Construction:

- Silicone hose with 3-ply of Meta-Aramid Reinforcement

Specifications:

- Meets or exceeds the operating requirements of SAE J20 R1
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- Custom Wall Thickness is .140"/.190"

Applications:

- For heavy duty pressure connections in hostile engine environments
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- Ideal for extreme temperature and various pressure ranges where high performance levels are required
- For connection between the turbocharger and the engine
- Resists chemicals, steam, ozone, coolants, and aging conditions normally found in the engine environment

7884 - 90° SILICONE ELBOWS

Part Number	Inside Diameter		Outside Diameter		Leg Length - Inches (Avail. Clamp Space)	Bend Radius Inches	Burst Pressure - PSI		Weight LBS
	Inch	MM	Inch	MM			SAE J20 R1	TMC	
7884-075	0.75	19	1.07	27	6.00	1.50	325	125	0.50
7884-100	1.00	25	1.32	34	6.00	2.00	300	125	0.50
7884-125	1.25	32	1.57	40	6.00	2.50	275	125	0.50
7884-150	1.50	38	1.82	46	6.00	3.00	250	125	0.50
7884-175	1.75	44	2.07	53	6.00	3.50	225	125	0.50
7884-200	2.00	51	2.32	59	6.00	4.00	200	100	0.50
7884-225	2.25	57	2.57	65	6.00	3.38	175	100	1.00
7884-250	2.50	64	2.82	72	6.50	3.75	150	100	1.00
7884-275	2.75	70	3.07	78	7.00	4.13	125	100	1.00
7884-300	3.00	76	3.32	84	7.50	4.50	100	100	1.00
7884-350	3.50	89	3.82	97	8.50	5.25	75	100	1.50
7884-400	4.00	102	4.32	110	9.50	6.00	50	100	1.50
7884-500	5.00	127	5.32	135	13.50	7.50	N/A	N/A	1.50

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



7896 - 45° SILICONE ELBOWS

Part Number	Inside Diameter		Outside Diameter		Leg Length - Inches (Avail. Clamp Space)	Bend Radius Inches	Burst Pressure - PSI		Weight LBS
	Inch	MM	Inch	MM			SAE J20 R1	TMC	
7896-075	0.75	19	1.07	27	6.00	4.00	325	125	0.50
7896-100	1.00	25	1.32	34	6.00	4.00	300	125	0.50
7896-125	1.25	32	1.57	40	6.00	4.00	275	125	0.50
7896-150	1.50	38	1.82	46	6.00	4.00	250	125	0.50
7896-175	1.75	44	2.07	53	6.00	4.00	225	125	0.50
7896-200	2.00	51	2.32	59	6.00	4.00	200	100	0.50
7896-225	2.25	57	2.57	65	6.00	4.00	175	100	1.00
7896-250	2.50	64	2.82	72	6.50	4.00	150	100	1.00
7896-275	2.75	70	3.07	78	7.00	4.00	125	100	1.00
7896-300	3.00	76	3.32	84	7.50	4.00	100	100	1.50
7896-350	3.50	89	3.82	97	8.50	4.00	75	100	2.00
7896-400	4.00	102	4.32	110	9.50	4.00	50	100	2.50

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





7903 SERIES REDUCERS

Stocked in standard 6" lengths



Construction:

- Silicone hose with 4-ply of Meta-Aramid Reinforcement

Specifications:

- Meets or exceeds the operating requirements of SAE J20 R1
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- Standard Wall Thickness is .170"/.220"

Applications:

- For heavy duty pressure connections in hostile engine environments
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- Ideal for extreme temperature and various pressure ranges where high performance levels are required
- For connection between the turbocharger and the engine
- Resists chemicals, steam, ozone, coolants, and aging conditions normally found in the engine environment

7903 SERIES REDUCERS

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Burst Pressure - PSI		Weight LBS
	Inch	MM	Inch	MM		SAE J20 R1	TMC	
FLX7903-200225	2.00/2.25	51/57	2.39/2.64	61/67	6.00	175	100	0.5
FLX7903-200250	2.00/2.50	51/64	2.39/2.89	61/73	6.00	150	100	0.5
FLX7903-200275	2.00/2.75	51/70	2.39/3.14	61/80	6.00	125	100	0.5
FLX7903-200300	2.00/3.00	51/76	2.39/3.39	61/86	6.00	100	100	0.5
FLX7903-225250	2.25/2.50	57/64	2.64/2.89	67/73	6.00	150	100	0.5
FLX7903-225275	2.25/2.75	57/70	2.64/3.14	67/80	6.00	125	100	0.5
FLX7903-225300	2.25/3.00	57/76	2.64/3.39	67/86	6.00	100	100	0.5
FLX7903-250275	2.50/2.75	64/70	2.89/3.14	73/80	6.00	125	100	0.5
FLX7903-250300	2.50/3.00	64/76	2.89/3.39	73/86	6.00	100	100	0.5
FLX7903-250350	2.50/3.50	64/89	2.89/3.89	73/99	6.00	75	100	0.5
FLX7903-275300	2.75/3.00	70/76	3.14/3.39	80/86	6.00	100	100	0.5
FLX7903-300350	3.00/3.50	76/89	3.39/3.89	86/99	6.00	75	100	0.5
FLX7903-300400	3.00/4.00	76/102	3.39/4.39	86/112	6.00	50	100	0.5
FLX7903-350400	3.50/4.00	89/102	3.89/4.39	99/112	6.00	50	100	0.5
FLX7903-400500	4.00/5.00	102/127	4.39/5.39	112/137	6.00	N/A	N/A	0.5

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

FLEXFAB 7903 SERIES REDUCERS SERVE A DUAL PURPOSE.

Can be used as a coolant hose

Can be used as a charge air connector (CAC)





2005 SERIES INDUSTRIAL SIL-FAB2™

Stocked in 12' Lengths

2-Ply Silicone coated fiberglass fabric with wire reinforcement (No Cuffs)



Construction:

- Double-Ply, Silicone-Coated Woven Fiberglass Hose
- Chemically treated, helically wound, spring steel wire for flexibility
- Double, continuous filament, silicone treated fiberglass cord

Specifications:

- Vulcanized for long service life
- Lightweight, non-kinking
- Temperature range is -65°F (-54°C) to +500°F (+260°C)

Applications:

- Designed for medium pressure handling of air, dust, fumes, and light powders
- Not recommended for handling liquids or abrasive materials
- Not recommended for charge air applications

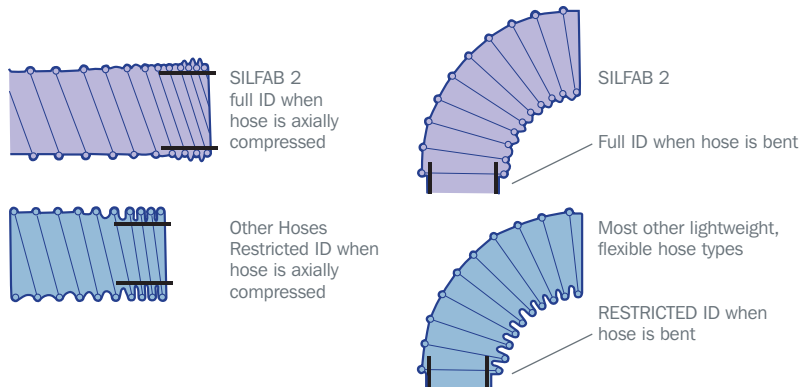
2005 SERIES INDUSTRIAL SIL-FAB2™

Part Number	Inside Diameter		Outside Diameter		Burst Pressure PSI	Max. Leakage CFM	Max. Neg. PSI	Wall Thickness	Weight (OZ/FT)
	Inch	MM	Inch	MM					
2005-100	1.00	25	1.14	29	180	0.015	15	0.07	2.00
2005-125	1.25	32	1.39	35	180	0.015	15	0.07	2.50
2005-150	1.50	38	1.64	42	165	0.015	13	0.07	3.00
2005-175	1.75	44	1.89	48	165	0.02	13	0.07	3.50
2005-200	2.00	51	2.14	54	150	0.02	10	0.07	4.00
2005-225	2.25	57	2.39	61	150	0.02	10	0.07	4.50
2005-250	2.50	64	2.64	67	135	0.025	8	0.07	5.00
2005-275	2.75	70	2.89	73	135	0.025	8	0.07	6.00
2005-300	3.00	76	3.14	80	135	0.03	7	0.07	6.20
2005-325	3.25	83	3.39	86	135	0.03	6	0.07	6.70
2005-350	3.50	89	3.64	92	120	0.035	6	0.07	7.20
2005-375	3.75	95	3.89	99	120	0.035	5	0.07	7.80
2005-400	4.00	102	4.14	105	120	0.04	5	0.08	8.40
2005-450	4.50	114	4.64	118	105	0.05	4	0.08	9.60
2005-500	5.00	127	5.14	131	105	0.06	4	0.08	10.70
2005-550	5.50	140	5.64	143	90	0.08	3	0.08	11.80
2005-600	6.00	152	6.14	156	90	0.1	3	0.08	13.00
2005-800	8.00	203	8.14	207	45	0.15	3	0.08	17.80
2005-1000	10.00	254	10.14	258	24	0.2	2	0.08	22.60
2005-1200	12.00	305	12.14	308	12	0.3	2	0.08	27.10

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

DIAGRAM OF AIRFLOW SIL-FAB2™

Unrestricted inside diameter in bends or axial compression is only available by using Silfab-2. Other flexible hoses create restricted inside diameter in bends or axial compression.





5584 MARINE WET EXHAUST SLEEVES

Stocked in 3' lengths

Limited Availability Please Call



Specifications:

- Meets or exceeds the operating requirements of SAE J2006 R3, ISO33660, SAE J1942
- Temperature range is -65°F (-54°C) to +350°F (+177°C)

5584 MARINE WET EXHAUST SLEEVES

Part Number	Inside Diameter		Outside Diameter		Burst Pressure - PSI SAE J2006 R3	Weight (LB/FT)
	Inch	MM	Inch	MM		
5584-087	0.88	22	1.11	28	36	1.00
5584-100	1.00	25	1.24	31	36	1.00
5584-125	1.25	32	1.49	38	36	1.50
5584-150	1.50	38	1.74	44	36	1.50
5584-175	1.75	44	1.99	50	36	1.50
5584-200	2.00	51	2.24	57	36	2.00
5584-225	2.25	57	2.67	68	36	2.50
5584-250	2.50	64	2.92	74	36	2.75
5584-275	2.75	70	3.17	80	36	3.00
5584-287	2.88	73	3.30	84	36	3.00
5584-300	3.00	76	3.42	87	36	3.00
5584-350	3.50	89	3.92	99	36	3.75
5584-400	4.00	102	4.42	112	36	4.50
5584-450	4.50	114	4.92	125	36	4.75
5584-500	5.00	127	5.42	138	36	5.00
5584-600	6.00	152	6.42	163	36	9.00
5584-800	8.00	203	8.57	218	36	9.50
5584-1000	10.00	254	10.57	268	36	17.00
5584-1200	12.00	305	12.57	319	36	20.50
5584-1400	14.00	356	14.57	370	36	23.50
5584-1600	16.00	406	16.57	421	36	29.00

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

MARINE WET EXHAUST SYSTEMS:

Water is injected into the exhaust system to cool the gasses, which are then passed through the outlet. The injected water lowers the temperature of the exhaust gasses from as high as 2000°F to below 250°F. This cools the gasses sufficiently enough for the use of flexible silicone hose. The water cooled exhaust does not cause a fire hazard, and needs no insulation.

Advantages of Silicone:

Easier to run than rigid pipe



7901 MARINE WET EXHAUST BELLOWS

Limited Stock

Please call for availability



Specifications:

- Meets or exceeds the operating requirements of SAE J2006 R3, ISO33660, SAE J1942
- Temperature range is -65°F (-54°C) to +350°F (+177°C)

7901 MARINE WET EXHAUST BELLOWS

Part Number	Inside Diameter		Outside Diameter		Overall Length Inches	Bellows (Humps)	Burst Pressure - PSI SAE J2006 R3	Weight LBS
	Inch	MM	Inch	MM				
7901-0009	6.00	152	6.53	166	8.00	One	36	3
7901-0010	8.00	203	8.53	217	8.00	One	36	3.5
7901-0011	10.00	254	10.53	267	8.00	One	36	4
7901-0012	10.00	254	10.53	267	12.00	One	36	5.5
7901-0013	10.00	254	10.53	267	14.00	Two	36	7
7901-0001	12.00	305	12.53	318	12.00	One	36	7.5
7901-0002	12.00	305	12.53	318	14.00	Two	36	8
7901-0003	14.00	356	14.53	369	14.00	Two	36	9
7901-0006	14.00	356	14.53	369	20.00	Two	36	12.5
7901-0004	16.00	406	16.53	420	14.00	Two	36	12
7901-0007	16.00	406	16.53	420	20.00	Two	36	14
7901-0005	18.00	457	18.53	471	18.00	Two	36	16

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



MARINE WET EXHAUST SYSTEMS:

Water is injected into the exhaust system to cool the gasses, which are then passed through the outlet. The injected water lowers the temperature of the exhaust gasses from as high as 2000°F to below 250°F. This cools the gasses sufficiently enough for the use of flexible silicone hose. The water cooled exhaust does not cause a fire hazard, and needs no insulation.

Advantages of Silicone:

Easier to run than rigid pipe



5531 LOW PRESSURE SILICONE TUBING

Blue Extruded Tubing

Stocked in 25' Boxes



Part Number	Inside Diameter		Outside Diameter		Wall Thickness	Weight (LB/FT)
	Inch	MM	Inch	MM		
5531-018	0.19	4.75	0.35	9	.075/.085	0.0379
5531-012	0.13	3.18	0.23	6	.045/.055	0.0162
5531-025	0.25	6.35	0.45	11	.095/.105	0.0609
5531-031	0.31	7.92	0.55	14	.115/.125	0.0892
5531-038	0.38	9.53	0.68	17	.145/.155	0.1342

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

Construction:

- Silicone hose without reinforcement

Applications:

- Low Pressure Silicone Tubing is designed for vacuum advance, windshield washer fluid, transmission modulator, and emission control

36519 BEADED CONNECTORS

Anodized Aluminum Blue Connectors



Part Number Beaded Connectors	Inside Diameter		Bead Height (AS5131)	Overall Length Inches	Weight LBS
	Inch	MM			
DEA-36519-1000	1.00	25	.047 - .087	3.00	0.50
DEA-36519-1250	1.25	32	.047 - .087	3.00	0.50
DEA-36519-1500	1.50	38	.047 - .087	3.00	0.50
DEA-36519-1750	1.75	44	.047 - .087	3.00	0.50
DEA-36519-2000	2.00	51	.047 - .087	3.00	0.50
DEA-36519-2250	2.25	57	.047 - .087	3.00	0.50
DEA-36519-2500	2.50	64	.047 - .087	3.00	0.50
DEA-36519-2750	2.75	70	.047 - .087	3.00	0.50
DEA-36519-3000	3.00	76	.047 - .087	3.00	0.50
DEA-36519-3500	3.50	89	.047 - .087	3.00	0.50
DEA-36519-4000	4.00	102	.047 - .087	3.00	0.50

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

MAKE YOUR OWN CUSTOM SHAPES AND SIZES.

Specifications:

- Bead height per AS5131 specification
- Meets anodized aluminum specification MIL-A8625

Applications:

- For creating longer lengths and custom styles without long lead times
- For coolant, charge air connector, or marine applications
- Anodized aluminum resists salt water damage



2582 LINED WORM GEAR CLAMPS

Recommended for Silicone Coolant and Heater Hoses

Please call for availability



Lined clamps are designed for use with silicone rubber and other soft hose applications. The liner protects the hose surface and prevents it from extruding or shearing through the band notches as the clamp is tightened.

FOR USE ON: COOLANT HOSE, HEATER HOSE, MARINE HOSE AND SILICONE TUBING.

Specifications:

- All stainless steel lined worm gear clamps
- Resists salt water and may be used in marine applications

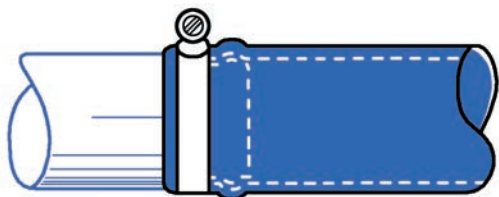
Applications:

- Recommended for silicone coolant hose, heater hose, marine, and silicone tubing

2582 LINED WORM GEAR CLAMPS

Part Number - Clamps Lined Worm Gear	Min Dia. (in.)	Max. Dia. (in.)	Min. Dia. (mm)	Max. Dia. (mm)	Fits Hose I.D. Min. (in.)	Fits Hose I.D. Max. (in.)	Pack Size	Weight LBS - Per 10
FLX2582-0010	0.75	1.06	19	27	0.50	0.63	10	0.5
FLX2582-0012	0.88	1.25	22	32	0.63	0.75	10	0.5
FLX2582-0016	1.00	1.50	26	38	0.75	1.00	10	0.5
FLX2582-0020	1.13	1.75	29	44	0.88	1.25	10	0.5
FLX2582-0024	1.25	2.00	32	51	1.00	1.50	10	0.5
FLX2582-0028	1.31	2.25	33	57	1.13	1.75	10	0.5
FLX2582-0032	1.56	2.50	40	63	1.25	2.00	10	0.5
FLX2582-0036	1.81	2.75	46	70	1.50	2.25	10	0.5
FLX2582-0040	2.06	3.00	52	76	1.75	2.50	10	0.5
FLX2582-0044	2.31	3.25	59	82	2.13	2.75	10	0.5
FLX2582-0048	2.56	3.50	65	89	2.25	3.00	10	0.5
FLX2582-0052	2.81	3.75	72	95	2.50	3.25	10	0.5
FLX2582-0056	3.06	4.00	78	101	2.75	3.50	10	0.5
FLX2582-0060	3.31	4.25	84	108	3.13	3.75	10	0.5
FLX2582-0064	3.56	4.50	91	114	3.25	4.00	10	1
FLX2582-0072	4.06	5.00	103	127	3.75	4.50	10	1

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



COOLANT AND HEATER HOSE CLAMPING INSTRUCTIONS:

Worm gear or constant torque type stainless steel clamps with inner liner are recommended for silicone heater and coolant hose. Initial clamp torque should be 40 inch-lbs. If re-torqueing is required, it should be limited to 20 inch-lbs. Do not use serrated, slot-
ted, or wire type clamps.



2584 CONSTANT TENSION CLAMPS

Please call for availability



Belleville spring and clamp construction is built to respond to constant temperature fluctuations. The larger, heavy-gauge, precision-formed springs provide higher rates of band tension and adjustment for a more dependable seal. The inner liner protects against shearing of the hose surface. This type of clamp provides a uniform 360° seal.

FOR USE ON: COOLANT HOSE, HEATER HOSE, MARINE HOSE, AND SILICONE TUBING.

Specifications:

- All stainless steel Constant Tension lined clamps
- Resists salt water and may be used in marine applications

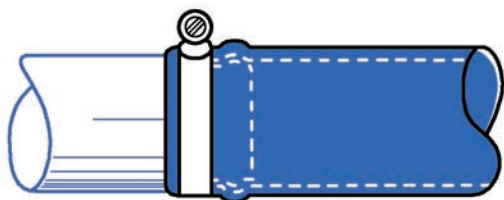
Applications:

- Recommended for silicone coolant hose, heater hose, marine, and silicone tubing

2584 CONSTANT TENSION CLAMPS

Part Number - Clamps Constant Tension	Min. Dia. (in.)	Max. Dia. (in.)	Min. Dia. (mm)	Max. Dia. (mm)	Fits Hose I.D. Min. (in.)	Fits Hose I.D. Max. (in.)	Pack Size	Weight LBS - Per 10
FLX2584-0175	1.00	1.75	25	45	0.88	1.13	10	2
FLX2584-0212	1.25	2.13	32	54	1.00	1.50	10	2
FLX2584-0262	1.75	2.63	45	67	1.50	2.00	10	2
FLX2584-0312	2.25	3.13	57	79	2.00	2.50	10	2
FLX2584-0362	2.75	3.63	70	92	2.50	3.00	10	2
FLX2584-0412	3.25	4.13	83	105	3.00	3.50	10	2.5
FLX2584-0462	3.75	4.63	95	117	3.50	4.00	10	2.5
FLX2584-0512	4.25	5.13	108	130	4.00	4.50	10	2.5
FLX2584-0562	4.75	5.63	121	143	4.50	5.00	10	2.5
FLX2584-0612	5.25	6.13	133	155	5.00	5.50	10	2.5
FLX2584-0662	5.75	6.63	146	168	5.50	6.00	10	3
FLX2584-0712	6.25	7.13	159	181	6.00	6.50	10	3
FLX2584-0762	6.75	7.63	172	193	6.50	7.00	10	3
FLX2584-0812	7.25	8.13	184	206	7.00	7.50	10	3
FLX2584-0862	7.75	8.63	197	219	7.50	8.00	10	3
FLX2584-0912	8.25	9.13	210	232	8.00	8.50	10	3.5

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



COOLANT AND HEATER HOSE CLAMPING INSTRUCTIONS:

Worm gear or constant torque type stainless steel clamps with inner liner are recommended for silicone heater and coolant hose. Initial clamp torque should be 40 inch-lbs. If re-torqueing is required, it should be limited to 20 inch-lbs. Do not use serrated, slotted, or wire type clamps.



2583 T-BOLT CLAMPS

Recommended for Charge Air Connectors and Turbo Charger Sleeves

Please call for availability



Heavy-duty T-Bolt clamps provide uniform sealing pressure for a positive, reliable seal. Designed for use in high vibration applications in heavy-duty trucks, industrial machinery, off-road equipment, agricultural irrigation equipment and machinery. Features a 3/4" wide stainless steel band with welded construction for reliability.

**FOR USE ON: COOLANT HOSE, CAC HOSE, TURBO SLEEVES,
MARINE HOSE, 90 AND 45 DEGREE ELBOWS, AND SILFAB DUCTING.**

Specifications:

- All stainless steel T-bolt clamps
- Resists salt water and may be used in marine applications

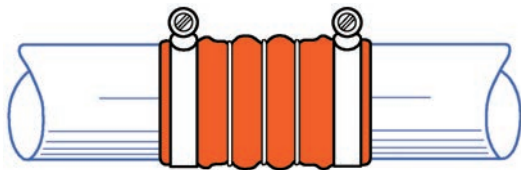
Applications:

- Recommended for silicone coolant hose, CAC hose, turbo sleeves, marine hose, 90 and 45 degree elbows, and silfab ducting

2583 T-BOLT CLAMPS

Part Number - Clamps T-Bolt	Min. Dia. (in.)	Max. Dia. (in.)	Min. Dia. (mm)	Max. Dia. (mm)	Pack Size	Weight LBS - Per 10
FLX2583-0138	1.38	1.56	35	39	10	1
FLX2583-0150	1.50	1.63	38	42	10	1.5
FLX2583-0163	1.63	1.88	41	46	10	1.5
FLX2583-0175	1.75	2.00	45	51	10	1.5
FLX2583-0188	1.88	2.19	48	56	10	1.5
FLX2583-0200	2.00	2.31	51	59	10	1.5
FLX2583-0213	2.13	2.44	54	62	10	1.5
FLX2583-0225	2.25	2.56	57	65	10	1.5
FLX2583-0238	2.38	2.69	61	68	10	1.5
FLX2583-0250	2.50	2.81	64	71	10	1.5
FLX2583-0263	2.63	2.94	67	75	10	1.5
FLX2583-0275	2.75	3.06	70	78	10	1.5
FLX2583-0288	2.88	3.19	73	81	10	1.5
FLX2583-0300	3.00	3.31	76	84	10	1.5
FLX2583-0313	3.13	3.44	80	87	10	1.5
FLX2583-0325	3.25	3.56	83	90	10	1.5
FLX2583-0338	3.38	3.69	86	94	10	1.5
FLX2583-0350	3.50	3.81	89	97	10	1.5
FLX2583-0363	3.63	3.94	92	100	10	1.5
FLX2583-0375	3.75	4.06	95	103	10	1.5
FLX2583-0400	4.00	4.31	102	110	10	2
FLX2583-0425	4.25	4.56	108	116	10	2
FLX2583-0450	4.50	4.81	114	122	10	2
FLX2583-0475	4.75	5.06	121	129	10	2
FLX2583-0500	5.00	5.31	127	135	10	2

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



CAC AND TURBO CHARGER HOSE CLAMPING INSTRUCTIONS:

Use only T-bolt style clamps. Constant torque T-bolt style clamps may help retain clamp load. Torque clamps to 70-75 inch-lbs.



2588 SPRING-LOADED T-BOLT CLAMPS



Part Number - Clamps Spring Loaded T-Bolt	Min. Dia. (in.)	Max. Dia. (in.)	Min. Dia. (mm)	Max. Dia. (mm)	Pack Size	Weight LBS - Per 10
FLX2588-0306	3.0625	3.375	77.8	85.7	10	2
FLX2588-0356	3.562	3.875	90.5	98.4	10	2
FLX2588-0406	4.0625	4.375	103.2	111.1	10	2
FLX2588-0456	4.562	4.875	115.9	123.8	10	2
FLX2588-0506	5.0652	5.375	128.59	136.53	10	2

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

Spring-Loaded T-bolt clamps are designed to compensate for fluctuations in all types of hose line assemblies. When temperature and/or pressure changes cause hose lines to expand or contract, Spring-Loaded T-bolt Clamps adjust accordingly to provide constant band tension.

Specifications:

- All stainless steel Spring-Loaded T-bolt clamps
- Resists salt water and may be used in marine applications

Applications:

- Recommended for silicone coolant hose, CAC hose, turbo sleeves, marine hose, 90 and 45 degree elbows, and silfab ducting

4000 SERIES CAC HOSE AND CLAMP KITS



Part Number	Hose and Clamp Provided in Kit	Inside Diameter		Outside Diameter		Overall Length Inches	Convolute (Humps)	Stainless Steel Rings	Max Operating Pressure - PSI
		Inch	MM	Inch	MM				
KIT4001D	4070-0001	4.00	102	4.23	107	6.00	2	3	50
	FLX2588-0406	4.06	103	4.38	111	N/A	N/A	N/A	N/A
KIT4002D	7715-0002	4.00	102	4.23	107	6.00	2	3	50
	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	7732-0001	3.50	89	3.73	95	6.00	2	3	55
	FLX2588-0356	3.56	91	3.88	98	N/A	N/A	N/A	N/A
KIT4005D	7731-0001	3.00	76	3.23	82	6.00	2	3	60
	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.

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 the hot and cold side of the Charge-Air Cooler System.

CAC HOSE:

Specifications:

- 4 Ply Silicone Coated Meta-Aramid Fabric With Stainless Steel Pressure Retention Rings
- Temperature range is -65°F (-54°C) to +500°F (+260°C)

SPRING-LOADED T-BOLT CLAMPS:

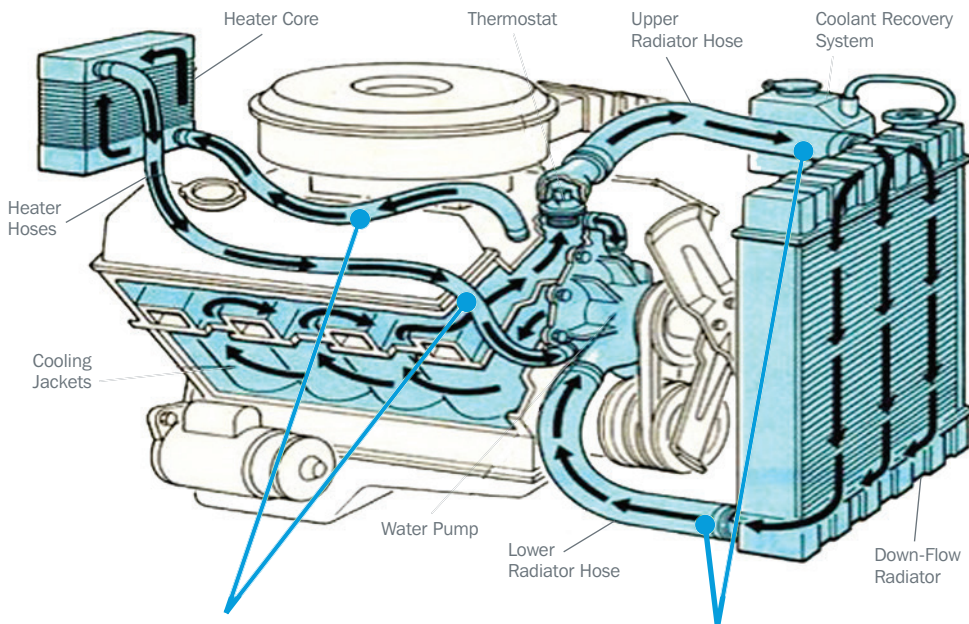
Specifications:

- All stainless steel Spring-Loaded T-bolt clamps
- Resists salt water and may be used in marine applications



HOW DOES A COOLING SYSTEM WORK?

The cooling system is made up of the passages inside the engine block and heads, a pump to circulate the coolant, a thermostat to control the temperature of the coolant, a radiator to cool the coolant, a radiator cap to control the pressure in the system, and some plumbing consisting of interconnecting hoses (Flexfab hoses) to transfer the coolant from the engine to radiator and also to the heater system where hot coolant is used to warm up the vehicle interior on a cold day. The diagram below shows the flow of coolant with a down flow radiator:



FLX5526 Standard Heater Hose
FLX5521 Premium Heater Hose

FLX5515 Series Coolant Hose
FLX5581 Series Coolant Hose
FLX5415 Series Coolant Hose
FLX7884 Series 90° Elbows
FLX7896 Series 45° Elbows

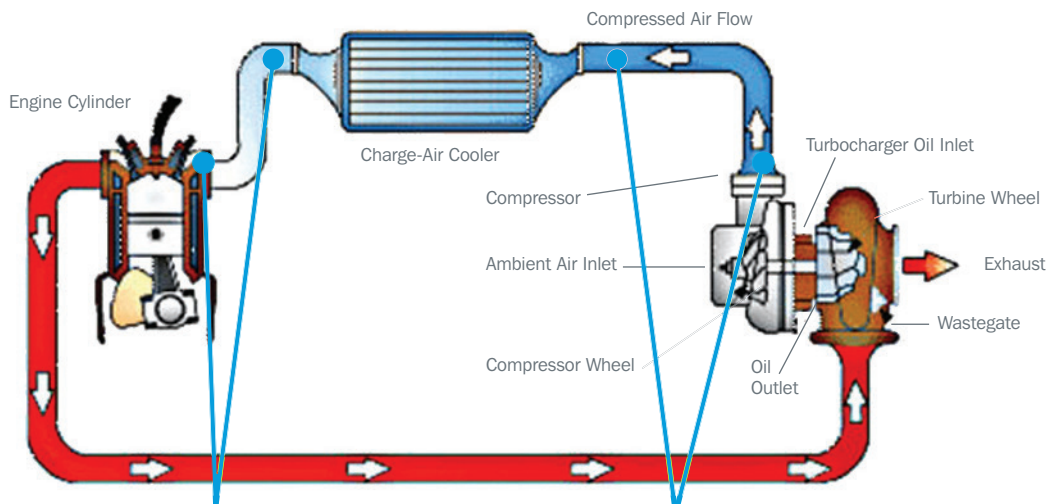
There are several hoses that make up the plumbing to connect the components of the cooling system. The main hoses are called the upper and lower radiator hoses. These two hoses direct coolant between the engine and the radiator. Two additional hoses, called heater hoses, supply hot coolant from the engine to the heater core. These hoses are designed to withstand the pressure inside the cooling system. Because of this, they are subject to wear and tear and eventually may require replacing as part of routine maintenance.

CAC AIR COOLING PROCESS

A very important component to overall engine efficiency

The charge-air cooler and turbocharger are part of a high tech induction system that increases engine combustion efficiency. The turbocharger uses exhaust gases to compress air before it enters the charge-air cooler.

The compressed air going through the charge-air cooler is then cooled by the ambient air flowing across the cooler fins. The cooled air is denser than warm air. So when it flows into the intake side of the engine, the increased density improves horsepower, fuel economy and reduces emissions. The following illustration provides a clear view of the components associated with the charge-air cooler and how the air flows through the system:



FLX7755-0002D or other cold side CAC Bellow
FLX7884 Series 90° Elbows
FLX7896 Series 45° Elbows

FLX7715-0002D or other Hot Side CAC Bellow
FLX7884 Series 90° Elbows
FLX7896 Series 45° Elbows

Charge-air cooler systems can develop leaks and can fail if not caught. A leaking charge-air-cooler system can cause the engine to lose up to ½ mpg in fuel economy. To maintain engine power and fuel efficiency, it is important to properly maintain all charge-air cooler systems.

THE FLEXFAB CREED

VALUE FOR CUSTOMERS:

We believe our first commitment is to our customers. In meeting their needs, everything we do must be of high quality. We must constantly strive to reduce our costs, and improve our quality and productivity. Customers' orders must be serviced promptly and accurately.

QUALITY OF LIFE FOR EMPLOYEES:

We are committed to the general welfare of our employees and the belief that each must be treated as an individual. We must respect their dignity and recognize their merit. There must be a sense of security in their employment and compensation must be fair. Employees must feel free to make suggestions and complaints. Working conditions must be safe, clean, and orderly. There must be equal opportunity for employment, personal development, and advancement for those qualified. The worth of an employee must be recognized by providing challenging work. Adequately trained and educated employees are necessary in maintaining our quality of work life. We must provide competent management, whose responsibility is to accomplish our long term goals and objectives. Their actions must be just and ethical.

SERVICE FOR COMMUNITY:

We are committed to the communities in which we live and work. We must be good citizens by supporting community projects and charities both financially and with time and talents of employees. We must encourage civic improvements and better health and education. We must maintain, in good order, our property and protect the environment and natural resources.

BENEFIT FOR SHAREHOLDERS:

Our final commitment is to our shareholders. The long term viability of the corporation must be assured. New products and capabilities must be developed. New ideas must be encouraged and experimented with. Research must be carried on and innovative programs developed. Facilities and equipment must be properly maintained and replaced when necessary. To meet this commitment, adequate profits are necessary, as well as reserves for adverse times. With a fair price for our products and keeping costs under control, the shareholders will realize a fair return.

Engineering trust. Around the world.™



Engineering trust. Around the world.™

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