# 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.™**

**DISTRIBUTOR CATALOG**

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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 reasonisreliability…theabilitytoperformnotonlyundernormalconditions,butalsointhesevereextremesofindustry,environment, temperature, and voltage. Silicone rubber components have a useful life thatis far superior under conditions thatwould 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 ofelectricalinsulatingproperties. Electricalfailureoccurswhen theenvironmentdestroysthephysicalpropertiesoftheelastomer. 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 issuperiorto other elastomers initsresistance to compression set(deformation). Itshowsa marked superiorityat 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. Italsodoes notcause staining, corrosionordeterioration ofothermaterials. Silicone rubber willnotsupport

## 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 ingre- dients 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 prod- ucts 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)

## CONTENTS

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 inthesoil. Fluorosilicone withitsunique properties provides resistance to many fuels, oils, andsolvents, 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,andatmosphericgaseswhichcauseweathering. Evenverydryconditionscoupledwithharshsunlightwillnotdryoutorhave 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.

[5515 and 5500 Series 3-Ply Coolant Hose 4-5](#_TOC_250009)

[5581 and 5501 Series 4-Ply Coolant Hose 6-7](#_TOC_250008)

[5415 Series 3-Ply Glossy Coolant Hose 8-9](#_TOC_250007)

[5508 Series Wire Reinforced Coolant Hose 10-11](#_TOC_250006)

5526 Series Standard Heater Hose/5001 Series

Heater Hose Repair Kits 12-13

[5521 and 5834 Series Premium Heater Hose 14-15](#_TOC_250005)

[Specialty Hose 16](#_TOC_250004)

[Charge Air Connector (CAC): Convoluted Reducers 17](#_TOC_250003)

Charge Air Connector (CAC): Hot and Cold Side 18-19

Heavy-Wall Charge Air Connector (CAC)/Flexfab

Duraguard™ 20-21

[4000 Series Charge Air Connector Hose and Clamp Kits 22](#_TOC_250002)

[Large ID Charge Air Connector (CAC) 23](#_TOC_250001)

[7701 Series Fiberglass Reinforced Turbo Sleeves 24-25](#_TOC_250000)

7703 Series Heavy Duty Fiberglass Reinforced Turbo Sleeves26-27

7851 Series Meta Aramid Reinforced Turbo Sleeves 28

2563 Series SilFab2™ Nylon Rod Reinforced Duct 29

2005 Series SilFab2™ Wire Reinforced Duct 30-31

7884 and 7896 Series 3 Ply Silicone Elbows 32-33

7903 Series Reducers 34-35

5584 Series Marine Wet Exhaust Sleeves 36-37

7901 Series Marine Wet Exhaust Bellows 38-39

5531 Series Low Pressure Silicone Tubing 40

36519 Series Beaded Connectors 41

2582 Series Lined Worm Gear Clamps 42-43

2584 Series Constant Tension Clamps 44-45

2583 Series T-Bolt Clamps 46-47

2588 Series Spring Loaded T-Bolt Clamps 48

Cooling System and Charge Air System

General Information 49-50

## 5515 AND 5500 SERIES: 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)** | **Clamp** |
| **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 | 2582-0006 |
| 5515-062 | 5500-062 | 0.63 | 16 | 0.95 | 24 | 485 | 425 | 125 | 0.20 | 2582-0010 |
| 5515-075 | 5500-075 | 0.75 | 19 | 1.07 | 27 | 475 | 325 | 125 | 0.24 | 2582-0012 |
| 5515-087 | 5500-087 | 0.88 | 22 | 1.20 | 30 | 465 | 300 | 125 | 0.28 | 2582-0012 |
| 5515-100 | 5500-100 | 1.00 | 25 | 1.32 | 34 | 450 | 300 | 125 | 0.32 | 2582-0016 |
| 5515-112 | 5500-112 | 1.13 | 29 | 1.45 | 37 | 435 | 300 | 125 | 0.36 | 2582-0016 or 2584-0175 |
| 5515-125 | 5500-125 | 1.25 | 32 | 1.57 | 40 | 425 | 275 | 125 | 0.40 | 2582-0020 or 2584-0175 |
| 5515-138 | 5500-138 | 1.38 | 35 | 1.70 | 43 | 400 | 250 | 125 | 0.44 | 2582-0020 or 2584-0212 |
| 5515-150 | 5500-150 | 1.50 | 38 | 1.82 | 46 | 375 | 250 | 125 | 0.48 | 2582-0024 or 2584-0212 |
| 5515-162 | 5500-162 | 1.63 | 41 | 1.95 | 50 | 350 | 225 | 125 | 0.52 | 2582-0024 or 2584-0212 |
| 5515-175 | 5500-175 | 1.75 | 44 | 2.07 | 53 | 300 | 225 | 125 | 0.56 | 2582-0028 or 2584-0262 |
| 5515-187 | 5500-187 | 1.88 | 48 | 2.20 | 56 | 250 | 200 | 100 | 0.60 | 2582-0032 or 2584-0262 |
| 5515-200 | 5500-200 | 2.00 | 51 | 2.32 | 59 | 250 | 200 | 100 | 0.64 | 2582-0032 or 2584-0262 |
| 5515-212 | 5500-212 | 2.13 | 54 | 2.45 | 62 | 235 | 175 | 100 | 0.68 | 2582-0032 or 2584-0262 |
| 5515-225 | 5500-225 | 2.25 | 57 | 2.57 | 65 | 225 | 175 | 100 | 0.72 | 2582-0036 or 2584-0312 |
| 5515-238 | 5500-238 | 2.38 | 60 | 2.70 | 69 | 210 | 150 | 100 | 0.76 | 2582-0040 or 2584-0312 |
| 5515-250 | 5500-250 | 2.50 | 64 | 2.82 | 72 | 200 | 150 | 100 | 0.80 | 2582-0040 or 2584-0312 |
| 5515-262 | 5500-262 | 2.63 | 67 | 2.95 | 75 | 200 | 125 | 100 | 0.84 | 2582-0040 or 2584-0312 |
| 5515-275 | 5500-275 | 2.75 | 70 | 3.07 | 78 | 200 | 125 | 100 | 0.88 | 2582-0044 or 2584-0362 |
| 5515-287 | 5500-287 | 2.88 | 73 | 3.20 | 81 | 200 | 100 | 100 | 0.92 | 2582-0044 or 2584-0362 |
| 5515-300 | 5500-300 | 3.00 | 76 | 3.32 | 84 | 200 | 100 | 100 | 0.96 | 2582-0048 or 2584-0362 |
| 5515-312 | 5500-312 | 3.13 | 80 | 3.45 | 88 | 175 | 75 | 100 | 1.00 | 2582-0048 or 2584-0362 |
| 5515-325 | 5500-325 | 3.25 | 83 | 3.57 | 91 | 175 | 75 | 100 | 1.04 | 2582-0052 or 2584-0412 |
| 5515-338 | 5500-338 | 3.38 | 86 | 3.70 | 94 | 150 | 75 | 100 | 1.08 | 2582-0052 or 2584-0412 |
| 5515-350 | 5500-350 | 3.50 | 89 | 3.82 | 97 | 150 | 75 | 100 | 1.12 | 2582-0056 or 2584-0412 |
| 5515-375 | 5500-375 | 3.75 | 95 | 4.07 | 103 | 135 | 50 | 100 | 1.20 | 2582-0060 or 2584-0412 |
| 5515-387 | 5500-387 | 3.88 | 99 | 4.20 | 107 | 125 | 50 | 100 | 1.24 | 2582-0060 or 2584-0462 |
| 5515-400 | 5500-400 | 4.00 | 102 | 4.32 | 110 | 125 | 50 | 100 | 1.28 | 2582-0064 or 2584-0462 |
| 5515-450 | 5500-450 | 4.50 | 114 | 4.82 | 122 | 100 | N/A | N/A | 1.44 | 2582-0072 or 2584-0512 |
| 5515-500 | 5500-500 | 5.00 | 127 | 5.32 | 135 | 90 | N/A | N/A | 1.60 | 2584-0562 |
| 5515-550 | 5500-550 | 5.50 | 140 | 5.82 | 148 | 75 | N/A | N/A | 1.76 | 2584-0612 |
| 5515-600 | 5500-600 | 6.00 | 152 | 6.32 | 161 | 75 | N/A | N/A | 1.92 | 2584-0662 |

Part Number Reference:

FLX5515-300 (3 Foot Stick) FLX5515-300x12 (12 Foot Stick)

## 5515 AND 5500 SERIES: 3-PLY COOLANT HOSE

Available in a Blue or Green Cover Stocked in 3’ Lengths

12’ Lengths Also Available (Please Call For Availability)

##### CONSTRUCTION:

* Silicone hose with 3-plies of Polyester Reinforcement

##### SPECIFICATIONS:

* Meets or exceeds the operating requirements of SAE J20 R1 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)
* Custom Wall Thickness is .140”/.190”
* Working pressure is 1/3 of the burst pressure

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

Part Number Reference:

FLX5581-300 (3 Foot Stick) FLX5581-300x12 (12 Foot Stick)

# 5581 AND 5501 SERIES: 4-PLY COOLANT HOSE

Available in a Blue or Green Cover Stocked in 3’ Lengths

12’ Lengths Also Available (Please Call For Availability)

##### CONSTRUCTION:

* Silicone hose with 4-plies of Polyester Reinforcement

##### SPECIFICATIONS:

* Meets or exceeds the operating requirements of SAE J20 R1 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”
* Working pressure is 1/3 of the burst pressure

##### 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 SERIES: 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)** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** | **SAE J20 R1** | **TMC** |
| 5501-038 | 5501-038 | 0.38 | 10 | 0.77 | 20 | 600 | 425 | 125 | 0.16 | 2582-0006 |
| 5581-050 | 5581-050 | 0.50 | 13 | 0.89 | 23 | 600 | 425 | 125 | 0.20 | 2582-0008 |
| 5581-062 | 5581-062 | 0.63 | 16 | 1.02 | 26 | 585 | 425 | 125 | 0.24 | 2582-0010 |
| 5581-075 | 5581-075 | 0.75 | 19 | 1.14 | 29 | 575 | 325 | 125 | 0.29 | 2582-0012 |
| 5581-087 | 5581-087 | 0.88 | 22 | 1.27 | 32 | 560 | 300 | 125 | 0.34 | 2582-0016 |
| 5581-100 | 5581-100 | 1.00 | 25 | 1.39 | 35 | 550 | 300 | 125 | 0.39 | 2582-0016 or 2584-0175 |
| 5581-112 | 5581-112 | 1.13 | 29 | 1.52 | 39 | 525 | 300 | 125 | 0.44 | 2582-0020 or 2584-0175 |
| 5581-125 | 5581-125 | 1.25 | 32 | 1.64 | 42 | 500 | 275 | 125 | 0.49 | 2582-0020 or 2584-0212 |
| 5581-138 | 5581-138 | 1.38 | 35 | 1.77 | 45 | 475 | 250 | 125 | 0.54 | 2582-0024 or 2584-0212 |
| 5581-150 | 5581-150 | 1.50 | 38 | 1.89 | 48 | 450 | 250 | 125 | 0.59 | 2582-0024 or 2584-0212 |
| 5581-162 | 5581-162 | 1.63 | 41 | 2.02 | 51 | 425 | 225 | 125 | 0.63 | 2582-0028 or 2584-0262 |
| 5581-175 | 5581-175 | 1.75 | 44 | 2.14 | 54 | 400 | 225 | 125 | 0.68 | 2582-0028 or 2584-0262 |
| 5581-187 | 5581-187 | 1.88 | 48 | 2.27 | 58 | 400 | 200 | 100 | 0.73 | 2582-0032 or 2584-0262 |
| 5581-200 | 5581-200 | 2.00 | 51 | 2.39 | 61 | 400 | 200 | 100 | 0.78 | 2582-0032 or 2584-0262 |
| 5581-212 | 5581-212 | 2.13 | 54 | 2.52 | 64 | 375 | 175 | 100 | 0.83 | 2582-0036 or 2584-0312 |
| 5581-225 | 5581-225 | 2.25 | 57 | 2.64 | 67 | 350 | 175 | 100 | 0.88 | 2582-0036 or 2584-0312 |
| 5581-238 | 5581-238 | 2.38 | 60 | 2.77 | 70 | 325 | 150 | 100 | 0.93 | 2582-0040 or 2584-0312 |
| 5581-250 | 5581-250 | 2.50 | 64 | 2.89 | 73 | 300 | 150 | 100 | 0.98 | 2582-0040 or 2584-0312 |
| 5581-262 | 5581-262 | 2.63 | 67 | 3.02 | 77 | 285 | 125 | 100 | 1.02 | 2582-0044 or 2584-0362 |
| 5581-275 | 5581-275 | 2.75 | 70 | 3.14 | 80 | 275 | 125 | 100 | 1.07 | 2582-0044 or 2584-0362 |
| 5581-287 | 5581-287 | 2.88 | 73 | 3.27 | 83 | 250 | 100 | 100 | 1.12 | 2582-0048 or 2584-0362 |
| 5581-300 | 5581-300 | 3.00 | 76 | 3.39 | 86 | 250 | 100 | 100 | 1.17 | 2582-0048 or 2584-0362 |
| 5581-312 | 5581-312 | 3.13 | 80 | 3.52 | 89 | 225 | 75 | 100 | 1.22 | 2582-0052 or 2584-0412 |
| 5581-325 | 5581-325 | 3.25 | 83 | 3.64 | 92 | 225 | 75 | 100 | 1.27 | 2582-0052 or 2584-0412 |
| 5581-338 | 5581-338 | 3.38 | 86 | 3.77 | 96 | 200 | 75 | 100 | 1.32 | 2582-0056 or 2584-0412 |
| 5581-350 | 5581-350 | 3.50 | 89 | 3.89 | 99 | 200 | 75 | 100 | 1.37 | 2582-0056 or 2584-0412 |
| 5581-375 | 5581-375 | 3.75 | 95 | 4.14 | 105 | 175 | 50 | 100 | 1.46 | 2582-0060 or 2584-0462 |
| 5581-400 | 5581-400 | 4.00 | 102 | 4.39 | 112 | 150 | 50 | 100 | 1.56 | 2582-0064 or 2584-0462 |
| 5581-450 | 5581-450 | 4.50 | 114 | 4.89 | 124 | 150 | N/A | N/A | 1.76 | 2582-0072 or 2584-0512 |
| 5581-500 | 5581-500 | 5.00 | 127 | 5.39 | 137 | 125 | N/A | N/A | 1.95 | 2584-0562 |
| 5581-550 | 5581-550 | 5.50 | 140 | 5.89 | 150 | 100 | N/A | N/A | 2.16 | 2584-0612 |
| 5581-600 | 5581-600 | 6.00 | 152 | 6.39 | 162 | 100 | N/A | N/A | 2.34 | 2584-0662 |

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



# 5415 SERIES: 3-PLY GLOSSY COOLANT HOSE

Only Available in a Blue Cover Stocked in 3’ Lengths

##### CONSTRUCTION:

* Silicone hose with 3-plies of Polyester Reinforcement

##### SPECIFICATIONS:

* Meets or exceeds the operating requirements of SAE J20 R1 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)
* Custom Wall Thickness is .140”/.190”
* Working pressure is 1/3 of the burst pressure

##### 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 SERIES: 3-PLY GLOSSY COOLANT HOSE

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Actual Burst Pressure - PSI** | **Burst Pressure - PSI** | | **Weight (LB/FT)** | **Clamp** |
| **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 | 2582-0006 |
| 5415-062 | 0.63 | 16 | 0.95 | 24 | 485 | 425 | 125 | 0.20 | 2582-0010 |
| 5415-075 | 0.75 | 19 | 1.07 | 27 | 475 | 325 | 125 | 0.24 | 2582-0012 |
| 5415-087 | 0.88 | 22 | 1.20 | 30 | 465 | 300 | 125 | 0.28 | 2582-0012 |
| 5415-100 | 1.00 | 25 | 1.32 | 34 | 450 | 300 | 125 | 0.32 | 2582-0016 |
| 5415-112 | 1.13 | 29 | 1.45 | 37 | 435 | 300 | 125 | 0.36 | 2582-0016 or 2584-0175 |
| 5415-125 | 1.25 | 32 | 1.57 | 40 | 425 | 275 | 125 | 0.40 | 2582-0020 or 2584-0175 |
| 5415-138 | 1.38 | 35 | 1.70 | 43 | 400 | 250 | 125 | 0.44 | 2582-0020 or 2584-0212 |
| 5415-150 | 1.50 | 38 | 1.82 | 46 | 375 | 250 | 125 | 0.48 | 2582-0024 or 2584-0212 |
| 5415-162 | 1.63 | 41 | 1.95 | 50 | 350 | 225 | 125 | 0.52 | 2582-0024 or 2584-0212 |
| 5415-175 | 1.75 | 44 | 2.07 | 53 | 300 | 225 | 125 | 0.56 | 2582-0028 or 2584-0262 |
| 5415-187 | 1.88 | 48 | 2.20 | 56 | 250 | 200 | 100 | 0.60 | 2582-0032 or 2584-0262 |
| 5415-200 | 2.00 | 51 | 2.32 | 59 | 250 | 200 | 100 | 0.64 | 2582-0032 or 2584-0262 |
| 5415-212 | 2.13 | 54 | 2.45 | 62 | 235 | 175 | 100 | 0.68 | 2582-0032 or 2584-0262 |
| 5415-225 | 2.25 | 57 | 2.57 | 65 | 225 | 175 | 100 | 0.72 | 2582-0036 or 2584-0312 |
| 5415-238 | 2.38 | 60 | 2.70 | 69 | 210 | 150 | 100 | 0.76 | 2582-0040 or 2584-0312 |
| 5415-250 | 2.50 | 64 | 2.82 | 72 | 200 | 150 | 100 | 0.80 | 2582-0040 or 2584-0312 |
| 5415-262 | 2.63 | 67 | 2.95 | 75 | 200 | 125 | 100 | 0.84 | 2582-0040 or 2584-0312 |
| 5415-275 | 2.75 | 70 | 3.07 | 78 | 200 | 125 | 100 | 0.88 | 2582-0044 or 2584-0362 |
| 5415-287 | 2.88 | 73 | 3.20 | 81 | 200 | 100 | 100 | 0.92 | 2582-0044 or 2584-0362 |
| 5415-300 | 3.00 | 76 | 3.32 | 84 | 200 | 100 | 100 | 0.96 | 2582-0048 or 2584-0362 |
| 5415-312 | 3.13 | 80 | 3.45 | 88 | 175 | 75 | 100 | 1.00 | 2582-0048 or 2584-0362 |
| 5415-325 | 3.25 | 83 | 3.57 | 91 | 175 | 75 | 100 | 1.04 | 2582-0052 or 2584-0412 |
| 5415-338 | 3.38 | 86 | 3.70 | 94 | 150 | 75 | 100 | 1.08 | 2582-0052 or 2584-0412 |
| 5415-350 | 3.50 | 89 | 3.82 | 97 | 150 | 75 | 100 | 1.12 | 2582-0056 or 2584-0412 |
| 5415-375 | 3.75 | 95 | 4.07 | 103 | 135 | 50 | 100 | 1.20 | 2582-0060 or 2584-0412 |
| 5415-387 | 3.88 | 99 | 4.20 | 107 | 125 | 50 | 100 | 1.24 | 2582-0060 or 2584-0462 |
| 5415-400 | 4.00 | 102 | 4.32 | 110 | 125 | 50 | 100 | 1.28 | 2582-0064 or 2584-0462 |
| 5415-450 | 4.50 | 114 | 4.82 | 122 | 100 | N/A | N/A | 1.44 | 2582-0072 or 2584-0512 |
| 5415-500 | 5.00 | 127 | 5.32 | 135 | 90 | N/A | N/A | 1.60 | 2584-0562 |
| 5415-550 | 5.50 | 140 | 5.82 | 148 | 75 | N/A | N/A | 1.76 | 2584-0612 |
| 5415-600 | 6.00 | 152 | 6.32 | 161 | 75 | N/A | N/A | 1.92 | 2584-0662 |

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



# 5508 SERIES: WIRE REINFORCED COOLANT HOSE

Green Cover, 2-Ply Polyester Reinforced Hose with Helical Wire Stocked in 3’ Lengths

12’ Lengths Also Available (Please Call For Availability)

##### CONSTRUCTION:

* Silicone hose with 2 plies of Polyester Reinforcement, with Helical Wire

##### SPECIFICATIONS:

* Meets or exceeds the operating requirements of SAE J20 R2 Class A
* Temperature range is - 65°F (- 54°C) to +350°F (+177°C)
* Wall thickness at hose ends exclusive of wire gauge .130”/.180”
* Working pressure is 1/3 of the burst pressure
* Negative pressure is - 10 PSI

##### APPLICATIONS:

* For heavy duty pressure connections in hostile engine environments
* Resists hardening, cracking, cold leaks, aging, and many chemicals
* For connections utilizing high vacuum and/or some forced curvature
* Ideal for extreme temperature and various pressure ranges where high performance levels are required

# 5508 SERIES: WIRE REINFORCED COOLANT HOSE

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Burst Pressure PSI** | **Max Neg.**  **PSI** | **Bend Radius (Inch)** | **Weight (LB/FT)** |
| **Inch** | **MM** | **Inch** | **MM** |
| 5508-050 | 0.50 | 13 | 0.92 | 23 | 600 | 10 | 2.00 | 0.17 |
| 5508-062 | 0.63 | 16 | 1.05 | 27 | 600 | 10 | 2.25 | 0.21 |
| 5508-075 | 0.75 | 19 | 1.17 | 30 | 600 | 10 | 2.50 | 0.23 |
| 5508-087 | 0.88 | 22 | 1.30 | 33 | 550 | 10 | 2.75 | 0.26 |
| 5508-100 | 1.00 | 25 | 1.42 | 36 | 550 | 10 | 3.00 | 0.30 |
| 5508-125 | 1.25 | 32 | 1.67 | 42 | 525 | 10 | 3.50 | 0.36 |
| 5508-150 | 1.50 | 38 | 1.92 | 49 | 500 | 10 | 4.00 | 0.43 |
| 5508-175 | 1.75 | 44 | 2.17 | 55 | 475 | 10 | 4.50 | 0.51 |
| 5508-200 | 2.00 | 51 | 2.42 | 61 | 450 | 10 | 5.00 | 0.56 |
| 5508-225 | 2.25 | 57 | 2.67 | 68 | 400 | 10 | 5.50 | 0.65 |
| 5508-250 | 2.50 | 64 | 2.92 | 74 | 350 | 10 | 6.00 | 0.74 |
| 5508-275 | 2.75 | 70 | 3.17 | 81 | 325 | 10 | 6.50 | 0.79 |
| 5508-300 | 3.00 | 76 | 3.42 | 87 | 300 | 10 | 7.00 | 0.85 |
| 5508-350 | 3.50 | 89 | 3.92 | 100 | 275 | 10 | 8.00 | 1.09 |
| 5508-400 | 4.00 | 102 | 4.42 | 112 | 250 | 10 | 9.00 | 1.19 |
| 5508-600 | 6.00 | 152 | 6.42 | 163 | 125 | 10 | 13.00 | 1.84 |

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

#### Flexfab’s wire reinforced coolant hoses are designed to handle vacuum and/or some forced curvature.

**5526 SERIES: STANDARD HEATER HOSE**



|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Actual Burst Pressure - PSI** | **Burst Pressure - PSI** | | **Weight (LB/FT)** | **Overall Length (Feet)** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** | **SAE J20 R1** | **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 | - |
| 5526-025x250 | 0.25 | 6 | 0.58 | 15 | 320 | 250 | 125 | 0.111 | 250’ Spool | - |
| 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 | 2582-0006 |
| 5526-038x50 | 0.38 | 10 | 0.71 | 18 | 310 | 250 | 125 | 0.145 | 50’ Box | 2582-0006 |
| 5526-038x250 | 0.38 | 10 | 0.71 | 18 | 310 | 250 | 125 | 0.145 | 250’ Spool | 2582-0006 |
| 5526-038x600 | 0.38 | 10 | 0.71 | 18 | 310 | 250 | 125 | 0.145 | 600’ Spool | 2582-0006 |
| 5526-050x25 | 0.50 | 13 | 0.83 | 21 | 310 | 250 | 125 | 0.181 | 25’ Box | 2582-0006 |
| 5526-050x50 | 0.50 | 13 | 0.83 | 21 | 310 | 250 | 125 | 0.181 | 50’ Box | 2582-0006 |
| 5526-050x250 | 0.50 | 13 | 0.83 | 21 | 310 | 250 | 125 | 0.181 | 250’ Spool | 2582-0006 |
| 5526-050x500 | 0.50 | 13 | 0.83 | 21 | 310 | 250 | 125 | 0.181 | 500’ Spool | 2582-0006 |
| 5526-062x25 | 0.63 | 16 | 0.96 | 24 | 300 | 250 | 125 | 0.216 | 25’ Box | 2582-0008 |
| 5526-062x50 | 0.63 | 16 | 0.96 | 24 | 300 | 250 | 125 | 0.216 | 50’ Box | 2582-0008 |
| 5526-062x250 | 0.63 | 16 | 0.96 | 24 | 300 | 250 | 125 | 0.216 | 250’ Spool | 2582-0008 |
| 5526-062x400 | 0.63 | 16 | 0.96 | 24 | 300 | 250 | 125 | 0.216 | 400’ Spool | 2582-0008 |
| 5526-075x25 | 0.75 | 19 | 1.08 | 27 | 300 | 200 | 125 | 0.25 | 25’ Box | 2582-0010 |
| 5526-075x50 | 0.75 | 19 | 1.08 | 27 | 300 | 200 | 125 | 0.25 | 50’ Box | 2582-0010 |
| 5526-075x250 | 0.75 | 19 | 1.08 | 27 | 300 | 200 | 125 | 0.25 | 250’ Spool | 2582-0010 |
| 5526-075x300 | 0.75 | 19 | 1.08 | 27 | 300 | 200 | 125 | 0.25 | 300’ Spool | 2582-0010 |
| 5526-087x25 | 0.88 | 22 | 1.21 | 31 | 250 | 175 | 125 | 0.287 | 25’ Box | 2582-0012 |
| 5526-087x50 | 0.88 | 22 | 1.21 | 31 | 250 | 175 | 125 | 0.287 | 50’ Box | 2582-0012 |
| 5526-087x200 | 0.88 | 22 | 1.21 | 31 | 250 | 175 | 125 | 0.287 | 200’ Spool | 2582-0012 |
| 5526-100x25 | 1.00 | 25 | 1.33 | 34 | 250 | 175 | 125 | 0.324 | 25’ Box | 2582-0016 |
| 5526-100x50 | 1.00 | 25 | 1.33 | 34 | 250 | 175 | 125 | 0.324 | 50’ Box | 2582-0016 |
| 5526-100x200 | 1.00 | 25 | 1.33 | 34 | 250 | 175 | 125 | 0.324 | 200’ Spool | 2582-0016 |
| 5526-125x25 | 1.25 | 32 | 1.58 | 40 | 200 | 175 | 125 | 0.385 | 25’ Box | 2582-0020 |
| 5526-125x50 | 1.25 | 32 | 1.58 | 40 | 200 | 175 | 125 | 0.385 | 50’ Box | 2582-0020 |
| 5526-125x150 | 1.25 | 32 | 1.58 | 40 | 200 | 175 | 125 | 0.385 | 150’ Spool | 2582-0020 |



**5526 SERIES: 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”
* Working pressure is 1/3 of the burst pressure
* Bend radius is 5 times the ID of the hose
* 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





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

# 5001 SERIES: HEATER HOSE REPAIR KITS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Connector and Clamp Provided in Kit** | **Outside Diameter** | | **Bead Height (AS5131)** | **Overall Length (Feet)** | **Use With** |
| **Inch** | **MM** |
| KIT5001D | DEA-36519-0625 | 0.63 | 16 | .047-.087 | 3.00 | 5526-062 |
| FLX2582-0008 | N/A | N/A | N/A | N/A | - |
| KIT5002D | DEA-36519-0750 | 0.75 | 19 | .047-.087 | 3.00 | 5526- 075 |
| FLX2582-0010 | N/A | N/A | N/A | N/A | - |
| KIT5003D | DEA-36519-1000 | 1.00 | 25 | .047-.087 | 3.00 | 5526- 100 |
| FLX2582- 0016 | N/A | N/A | N/A | N/A | - |

\*Specifications for reference only.





**5521 AND 5834 SERIES: 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:

* 5521 Series: Silicone hose with 1-ply of Nylon Fiber Reinforcement. Green Cover, Red Liner
* 5834 Series: Silicone hose with 1-ply of Para-Aramid Fiber Reinforcement. Blue Cover, Red Liner

##### 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”
* Working pressure is 1/3 of the burst pressure
* Bend radius is 5 times the ID of the hose
* 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 SERIES: PREMIUM HEATER HOSE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Actual Burst Pressure - PSI** | **Burst Pressure - PSI** | | **Weight (LB/FT)** | **Overall Length (Feet)** | **Clamp** |
| **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 | 500’ Spool | - |
| 5521-038x25 | 0.38 | 10 | 0.77 | 20 | 475 | 475 | 125 | 0.181 | 25’ Box | 2582-0006 |
| 5521-038x50 | 0.38 | 10 | 0.77 | 20 | 475 | 475 | 125 | 0.181 | 50’ Box | 2582-0006 |
| 5521-038x500 | 0.38 | 10 | 0.77 | 20 | 475 | 475 | 125 | 0.181 | 600’ Spool | 2582-0006 |
| 5521-050x25 | 0.50 | 13 | 0.89 | 23 | 425 | 425 | 125 | 0.226 | 25’ Box | 2582-0006 |
| 5521-050x50 | 0.50 | 13 | 0.89 | 23 | 425 | 425 | 125 | 0.226 | 50’ Box | 2582-0006 |
| 5521-050x500 | 0.50 | 13 | 0.89 | 23 | 425 | 425 | 125 | 0.226 | 500’ Spool | 2582-0006 |
| 5521-062x25 | 0.63 | 16 | 1.02 | 26 | 375 | 375 | 125 | 0.258 | 25’ Box | 2582-0010 |
| 5521-062x50 | 0.63 | 16 | 1.02 | 26 | 375 | 375 | 125 | 0.258 | 50’ Box | 2582-0010 |
| 5521-062x400 | 0.63 | 16 | 1.02 | 26 | 375 | 375 | 125 | 0.258 | 400’ Spool | 2582-0010 |
| 5521-075x25 | 0.75 | 19 | 1.14 | 29 | 325 | 325 | 125 | 0.301 | 25’ Box | 2582-0012 |
| 5521-075x50 | 0.75 | 19 | 1.14 | 29 | 325 | 325 | 125 | 0.301 | 50’ Box | 2582-0012 |
| 5521-075x300 | 0.75 | 19 | 1.14 | 29 | 325 | 325 | 125 | 0.301 | 300’ Spool | 2582-0012 |
| 5521-087x25 | 0.88 | 22 | 1.27 | 32 | 300 | 300 | 125 | 0.346 | 25’ Box | 2582-0012 |
| 5521-087x50 | 0.88 | 22 | 1.27 | 32 | 300 | 300 | 125 | 0.346 | 50’ Box | 2582-0012 |
| 5521-087x200 | 0.88 | 22 | 1.27 | 32 | 300 | 300 | 125 | 0.346 | 150’ Spool | 2582-0012 |
| 5521-100x25 | 1.00 | 25 | 1.39 | 35 | 300 | 300 | 125 | 0.391 | 25’ Box | 2582-0016 |
| 5521-100x50 | 1.00 | 25 | 1.39 | 35 | 300 | 300 | 125 | 0.391 | 50’ Box | 2582-0016 |
| 5521-100x200 | 1.00 | 25 | 1.39 | 35 | 300 | 300 | 125 | 0.391 | 200’ Spool | 2582-0016 |
| 5521-125x25 | 1.25 | 32 | 1.64 | 42 | 200 | 275 | 125 | 0.491 | 25’ Box | 2582-0020 |
| 5521-125x50 | 1.25 | 32 | 1.64 | 42 | 200 | 275 | 125 | 0.491 | 50’ Box | 2582-0020 |
| 5521-125x150 | 1.25 | 32 | 1.64 | 42 | 200 | 275 | 125 | 0.491 | 150’ Spool | 2582-0020 |

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

# 5834 SERIES: PREMIUM HEATER HOSE

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Actual Burst Pressure - PSI** | **Burst Pressure - PSI** | | **Weight (LB/FT)** | **Overall Length (Feet)** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** | **SAE J20 R1** | **TMC** |
| 5834-112x25 | 1.13 | 29 | 1.52 | 38 | 250 | 275 | 125 | 0.438 | 25’ Box | 2582-0020 |
| 5834-112x50 | 1.13 | 29 | 1.52 | 38 | 250 | 275 | 125 | 0.438 | 50’ Box | 2582-0020 |
| 5834-112x150 | 1.13 | 29 | 1.52 | 38 | 250 | 275 | 125 | 0.438 | 150’ Spool | 2582-0020 |

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



A

B

C



D

**SPECIALTY HOSE**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Overall Length Inches** | **Stainless Steel Rings** | **Burst Pressure - PSI** | **Weight LBS** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** |
| A. 7730-0001 | 3.00 | 76 | 3.23 | 82 | 6.00 | No | 90 | 0.5 | 2582-0043 or 2584-0362 |
| B. 7967 | 2.50 | 64 | 2.82 | 72 | 8.50 | Yes | 150 | 0.5 | 2582-0040 or 2584-0312 |
| C. 7965 | 2.50 | 64 | 2.92 | 74 | 10.00 | No | 150 | 0.5 | 2582-0040 or 2584-0312 |
| D. 7902 | 3.50/4.00 | 89/102 | 4.17/4.67 | 106/119 | 8.75 | No | 165 | 0.5 | 2583-0350/2583-0400 |

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

# CHARGE AIR CONNECTOR (CAC) CONVOLUTED REDUCERS

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
| 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 |

1. **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
* 4-ply polyester reinforced hose

1. **7967: Coolant Bellows**

* Once installed, the hose can handle up to 1.00” of lateral movement in the application

1. **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 Class A
* Maximum operating pressure is 50psi
* 4-ply polyester reinforced hose

1. **7902: Charge Air 45˚ Elbow**

* Used for a 45˚ hot side charge air connection between pipes
* Temperature range is - 65°F (- 54°C) to +450°F (+232°C)
* Maximum operating pressure is 55psi

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

##### CONSTRUCTION:

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

* Temperature range is -65°F (-54°C) to +350°F (+177°C)
* Meets or exceeds the operating requirements of SAE J20 R1 Class A
* Maximum operating pressure is 50psi
* 3-ply polyester reinforced hose
* 6-ply meta-aramid reinforced hose
* 4-Ply Silicone Coated Meta-Aramid Fabric with Stainless Steel Pressure Retention Rings where noted

##### SPECIFICATIONS:

* Temperature range is -65°F (-54°C) to +500°F (+260°C)
* Wall thickness is .092/.132

##### APPLICATIONS:

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



# CHARGE AIR CONNECTOR (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)
* Wall thickness is .085/.135

##### 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)
* Wall thickness is .084/.130

##### APPLICATIONS:

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

# 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)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |

**HEAVY-WALL CHARGE AIR CONNECTOR (CAC)**

**– HOT SIDE OR COLD SIDE**

### HOT OR COLD SIDE HEAVY-WALL CHARGE AIR CONNECTORS:

##### CONSTRUCTION:

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

##### SPECIFICATIONS:

* Temperature range is -65°F (-54°C) to +500°F (+260°C)
* Wall thickness is .117/.163

##### APPLICATIONS:

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

### FLEXFAB DURAGUARD™:

##### CONSTRUCTION:

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

##### SPECIFICATIONS:

* Temperature range is -65°F (-54°C) to +500°F (+260°C)
* Wall thickness is .117/.163
* Designed to meet the EPA 2007 and EURO IV & V requirements for reduced emissions

##### APPLICATIONS:

* Used on diesel 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)





### FLEXFAB DURAGUARD™

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

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Hose and Clamp Provided in Kit** | **Inside Diameter** | | **Outside Diameter** | | **Length Inches** | **Convolutes (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.

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 or cold side of the Charge-Air Cooler System.

CHARGE AIR CONNECTOR 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

# 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.

Can be used on both hot side or cold side of the Charge-Air Cooler system. Notice: Flexfab recommends double clamping at each end for proper installation.

##### CONSTRUCTION:

* 6-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)
* Wall thickness is .138/.198

##### APPLICATIONS:

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

Part Number Reference:

FLX7701-300 (3 Foot Stick) FLX7701-300x12 (12 Foot Stick)

# 7701 SERIES: FIBERGLASS REINFORCED TURBO SLEEVES

Stocked in 3’ lengths

12’ Lengths Also Available (Please Call For Availability)

##### CONSTRUCTION:

* 3-Ply Silicone Coated Fiberglass Fabric Reinforcement

##### SPECIFICATIONS:

* Temperature range is -65°F (-54°C) to +500°F (+260°C)
* Wall thickness is .080/.110

##### 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)** | **Max Operating Pressure - PSI** | **Weight (LB/FT)** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** |
| 7701-075 | 0.75 | 19 | 0.94 | 24 | 135 | 45 | 0.450 | 2582-0010 |
| 7701-087 | 0.88 | 22 | 1.07 | 27 | 135 | 45 | 0.475 | 2582-0010 |
| 7701-100 | 1.00 | 25 | 1.19 | 30 | 135 | 45 | 0.500 | 2582-0012 |
| 7701-112 | 1.12 | 28 | 1.31 | 33 | 120 | 40 | 0.525 | 2582-0016 |
| 7701-125 | 1.25 | 32 | 1.44 | 37 | 120 | 40 | 0.550 | 2583-0138 or 2584-0175 |
| 7701-138 | 1.38 | 35 | 1.57 | 40 | 120 | 40 | 0.575 | 2583-0138 or 2584-0175 |
| 7701-150 | 1.50 | 38 | 1.69 | 43 | 120 | 40 | 0.600 | 2583-0150 or 2584-0212 |
| 7701-162 | 1.63 | 41 | 1.82 | 46 | 105 | 35 | 0.625 | 2583-0162 or 2584-0212 |
| 7701-175 | 1.75 | 44 | 1.94 | 49 | 105 | 35 | 0.650 | 2583-0175 or 2584-0212 |
| 7701-187 | 1.88 | 48 | 2.07 | 53 | 105 | 35 | 0.675 | 2583-0187 or 2584-0212 |
| 7701-200 | 2.00 | 51 | 2.19 | 56 | 105 | 35 | 0.700 | 2583-0200 or 2584-0262 |
| 7701-212 | 2.13 | 54 | 2.32 | 59 | 90 | 30 | 0.725 | 2583-0212 or 2584-0262 |
| 7701-225 | 2.25 | 57 | 2.44 | 62 | 90 | 30 | 0.750 | 2583-0225 or 2584-0262 |
| 7701-238 | 2.38 | 60 | 2.57 | 65 | 90 | 30 | 0.775 | 2583-0238 or 2584-0312 |
| 7701-250 | 2.50 | 64 | 2.69 | 68 | 90 | 30 | 0.800 | 2583-0250 or 2584-0312 |
| 7701-262 | 2.63 | 67 | 2.82 | 72 | 75 | 25 | 0.825 | 2583-0262 or 2584-0312 |
| 7701-275 | 2.75 | 70 | 2.94 | 75 | 75 | 25 | 0.850 | 2583-0275 or 2584-0312 |
| 7701-287 | 2.88 | 73 | 3.07 | 78 | 75 | 25 | 0.875 | 2583-0287 or 2584-0362 |
| 7701-300 | 3.00 | 76 | 3.19 | 81 | 75 | 25 | 0.900 | 2583-0300 or 2584-0362 |
| 7701-312 | 3.13 | 80 | 3.32 | 84 | 60 | 20 | 0.925 | 2583-0312 or 2584-0362 |
| 7701-325 | 3.25 | 83 | 3.44 | 87 | 60 | 20 | 0.950 | 2583-0325 or 2584-0362 |
| 7701-338 | 3.38 | 86 | 3.57 | 91 | 60 | 20 | 0.975 | 2583-0338 or 2584-0412 |
| 7701-350 | 3.50 | 89 | 3.69 | 94 | 60 | 20 | 1.000 | 2583-0350 or 2584-0412 |
| 7701-375 | 3.75 | 95 | 3.94 | 100 | 45 | 15 | 1.050 | 2583-0375 or 2584-0412 |
| 7701-400 | 4.00 | 102 | 4.19 | 106 | 45 | 15 | 1.100 | 2583-0400 or 2584-0462 |
| 7701-425 | 4.25 | 108 | 4.44 | 113 | 30 | 10 | 1.150 | 2583-0425 or 2584-0462 |
| 7701-450 | 4.50 | 114 | 4.69 | 119 | 30 | 10 | 1.175 | 2583-0450 or 2584-0512 |
| 7701-500 | 5.00 | 127 | 5.19 | 132 | 30 | 10 | 1.200 | 2583-0500 or 2584-0562 |
| 7701-600 | 6.00 | 152 | 6.19 | 157 | 30 | 10 | 1.300 | 2584-0662 |

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



# 7703 SERIES: HEAVY DUTY FIBERGLASS REINFORCED TURBO SLEEVES

Stocked in 3’ lengths only Limited sizes available

##### CONSTRUCTION:

* 6 Ply Heavy Duty Silicone Coated Fiberglass Fabric Reinforcement

##### SPECIFICATIONS:

* Temperature range is -65°F (-54°C) to +500°F (+260°C)
* Wall thickness is .140/.183

##### 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

# 7703 SERIES: HEAVY DUTY FIBERGLASS REINFORCED TURBO SLEEVES

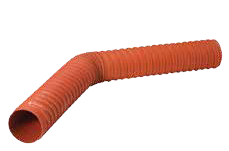
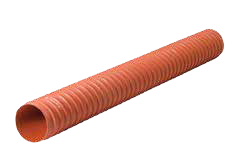
|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Burst Pressure (PSI)** | **Max Operating Pressure - PSI** | **Weight (LB/FT)** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** |
| 7703-200 | 2.00 | 51 | 2.63 | 67 | 210 | 70 | 1.4 | 2583-0212 or 2584-0262 |
| 7703-250 | 2.50 | 64 | 3.13 | 80 | 180 | 60 | 1.6 | 2583-0262 or 2584-0312 |
| 7703-300 | 3.00 | 76 | 3.63 | 92 | 150 | 50 | 1.8 | 2583-0312 or 2584-0362 |
| 7703-350 | 3.50 | 89 | 4.13 | 105 | 120 | 40 | 2.0 | 2583-0375 or 2584-0412 |
| 7703-400 | 4.00 | 102 | 4.63 | 118 | 90 | 30 | 2.2 | 2583-0400 or 2584-0462 |

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

The 7703 series turbo sleeves were designed to handle higher pressure standards in certain applications. The below chart references the pressure details between the standard turbo sleeves 7701 series and the heavy duty version 7703 series.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Flexfab Turbo Sleeve Comparison Chart** | | | | | |
| FLX7701 Series Turbo Sleeves | | | | | |
| Inside Diameter | 7701-200 | 7701-250 | 7701-300 | 7701-350 | 7701-400 |
| Operating Pressure PSIG | 35 | 30 | 25 | 20 | 15 |
| Burst Pressure PSIG | 105 | 90 | 75 | 60 | 45 |
| FLX7703 Series Heavy Duty Turbo Sleeves | | | | | |
| Inside Diameter | 7703-200 | 7703-250 | 7703-300 | 7703-350 | 7703-400 |
| Operating Pressure PSIG | 70 | 60 | 50 | 40 | 30 |
| Burst Pressure PSIG | 210 | 180 | 150 | 120 | 90 |

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



# 7851 SERIES: META–ARAMID REINFORCED TURBO SLEEVES

Stocked in 3’ lengths

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Burst Pressure (PSI)** | **Max Operating Pressure - PSI** | **Weight (LB/FT)** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** |
| 7851-100 | 1.00 | 25 | 1.23 | 31 | 135 | 45 | 0.50 | 2582-0012 |
| 7851-150 | 1.50 | 38 | 1.73 | 44 | 120 | 40 | 0.60 | 2583-0150 or 2584-0212 |
| 7851-200 | 2.00 | 51 | 2.23 | 57 | 105 | 35 | 0.70 | 2583-0200 or 2584-0262 |
| 7851-250 | 2.50 | 64 | 2.73 | 69 | 90 | 30 | 0.80 | 2583-0250 or 2584-0312 |
| 7851-300 | 3.00 | 76 | 3.23 | 82 | 75 | 25 | 0.90 | 2583-0300 or 2584-0362 |
| 7851-350 | 3.50 | 89 | 3.73 | 95 | 60 | 20 | 1.00 | 2583-0350 or 2584-0412 |
| 7851-400 | 4.00 | 102 | 4.23 | 107 | 45 | 15 | 1.10 | 2583-0400 or 2584-0462 |
| 7851-500 | 5.00 | 127 | 5.23 | 133 | 30 | 10 | 1.20 | 2583-0500 or 2584-0562 |
| 7851-600 | 6.00 | 152 | 6.23 | 158 | 30 | 10 | 1.30 | 2584-0662 |

# 2563 SERIES: INDUSTRIAL SIL-FAB2™ NYLON ROD REINFORCED DUCT

Stocked in 12’ Lengths

2-Ply Silicone-coated fiberglass fabric with Nylon Rod Reinforcement (No cuffs)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Burst Pressure (PSI)** | **Max. Neg.**  **PSI** | **Max. Leakage CFM Bend Radius** | **Weight (Inch)** | **(LBS)** |
| **Inch** | **MM** | **Inch** | **MM** |
| 2563-125 | 1.25 | 32 | 1.65 | 42 | 27 | -1 | 0.02 | 1.25 | 1.08 |
| 2563-200 | 2.00 | 51 | 2.40 | 61 | 15 | -1 | 0.02 | 2.00 | 1.73 |
| 2563-250 | 2.50 | 64 | 2.90 | 74 | 15 | -1 | 0.02 | 2.50 | 2.16 |
| 2563-300 | 3.00 | 76 | 3.40 | 86 | 12 | -1 | 0.02 | 6.00 | 2.59 |
| 2563-350 | 3.50 | 89 | 3.90 | 99 | 12 | -1 | 0.02 | 7.00 | 3.02 |
| 2563-400 | 4.00 | 102 | 4.40 | 112 | 9 | -1 | 0.02 | 8.00 | 3.46 |

##### CONSTRUCTION:

* 4-Ply Silicone Coated Meta-Aramid Fabric Reinforcement

##### SPECIFICATIONS:

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

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

##### CONSTRUCTION:

* Double-Ply, Silicone-Coated Woven Fiberglass Hose
* Manufactured with nylon rod reinforcement
* Helically wound Nylon Fiber for flexibility

##### SPECIFICATIONS:

* Vulcanized for long service life
* Lightweight, non-kinking
* Bend radius equals the inside diameter for hoses up to 2.50” ID

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

* Wall thickness is .090/.135

##### APPLICATIONS:

* For connection between the turbocharger and the engine
* Resists chemicals, steam, ozone, coolants, and aging conditions normally found in the engine environment
* Bend radius equals 2 times the inside diameter for hoses 3.00” ID and over
* Temperature range is -65°F (-54°C) to +300°F (+149°C)
* Working pressure is 1/3 of the burst pressure

##### APPLICATIONS:

* Designed for medium pressure handling of air, dust, fumes, and light powders
* For applications in which metal wire may interfere
* Not recommended for handling liquids or abrasive materials
* Not recommended for charge air applications



# 2005 SERIES: INDUSTRIAL SIL-FAB2™ WIRE REINFORCED DUCT

Stocked in 12’ Lengths

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

# 2005 SERIES: INDUSTRIAL SIL-FAB2™ WIRE REINFORCED DUCT

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |

##### 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
* Bend radius is equal to the inside diameter of the hose
* Temperature range is -65°F (-54°C) to +500°F (+260°C)
* Working pressure is 1/3 of the burst pressure

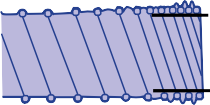
##### APPLICATIONS:

DIAGRAM OF AIRFLOW SIL-FAB2™

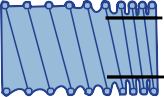
\*Specifications for reference only. Specific test data available on request.

* 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

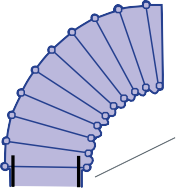
Unrestricted inside diameter in bends or axial compression is only available by using Silfab-2. Other flexible hoses create restricted inside diameter in bends or axial compression.

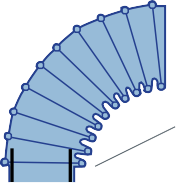
SILFAB 2

full ID when hose is axially compressed

Other Hoses Restricted ID when hose is axially compressed

SILFAB 2

Full ID when hose is bent

Most other lightweight, flexible hose types

RESTRICTED ID when

hose is bent



# 7884 AND 7896 SERIES: 90° AND 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-plies of Meta-Aramid Reinforcement

##### SPECIFICATIONS:

* Meets or exceeds the operating requirements of SAE J20 R1 Class A
* 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)
* Working pressure is 1/3 of the burst pressure
* 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 SERIES: 90° SILICONE ELBOWS

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Leg Length - Inches (Avail. Clamp Space)** | **Bend Radius Inches** | **Burst Pressure - PSI** | | **Weight LBS** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** | **SAE J20 R1** | **TMC** |
| 7884-075 | 0.75 | 19 | 1.07 | 27 | 6.00 | 1.50 | 325 | 125 | 0.50 | 2582-0012 |
| 7884-100 | 1.00 | 25 | 1.32 | 34 | 6.00 | 2.00 | 300 | 125 | 0.50 | 2582-0016 |
| 7884-125 | 1.25 | 32 | 1.57 | 40 | 6.00 | 2.50 | 275 | 125 | 0.50 | 2582-0020 or 2584-0212 |
| 7884-150 | 1.50 | 38 | 1.82 | 46 | 6.00 | 3.00 | 250 | 125 | 0.50 | 2582-0024 or 2584-0212 |
| 7884-175 | 1.75 | 44 | 2.07 | 53 | 6.00 | 3.50 | 225 | 125 | 0.50 | 2582-0028 or 2584-0262 |
| 7884-200 | 2.00 | 51 | 2.32 | 59 | 6.00 | 4.00 | 200 | 100 | 0.50 | 2582-0032 or 2584-0262 |
| 7884-225 | 2.25 | 57 | 2.57 | 65 | 6.00 | 3.38 | 175 | 100 | 1.00 | 2582-0036 or 2584-0312 |
| 7884-250 | 2.50 | 64 | 2.82 | 72 | 6.50 | 3.75 | 150 | 100 | 1.00 | 2582-0040 or 2584-0312 |
| 7884-275 | 2.75 | 70 | 3.07 | 78 | 7.00 | 4.13 | 125 | 100 | 1.00 | 2582-0044 or 2584-0362 |
| 7884-300 | 3.00 | 76 | 3.32 | 84 | 7.50 | 4.50 | 100 | 100 | 1.00 | 2582-0048 or 2584-0362 |
| 7884-350 | 3.50 | 89 | 3.82 | 97 | 8.50 | 5.25 | 75 | 100 | 1.50 | 2582-0056 or 2584-0412 |
| 7884-400 | 4.00 | 102 | 4.32 | 110 | 9.50 | 6.00 | 50 | 100 | 1.50 | 2582-0064 or 2584-0462 |
| 7884-500 | 5.00 | 127 | 5.32 | 135 | 13.50 | 7.50 | N/A | N/A | 1.50 | 2584-0562 |

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



# 7896 SERIES: 45° SILICONE ELBOWS

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Leg Length - Inches (Avail. Clamp Space)** | **Bend Radius Inches** | **Burst Pressure - PSI** | | **Weight LBS** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** | **SAE J20 R1** | **TMC** |
| 7896-075 | 0.75 | 19 | 1.07 | 27 | 6.00 | 4.00 | 325 | 125 | 0.50 | 2582-0012 |
| 7896-100 | 1.00 | 25 | 1.32 | 34 | 6.00 | 4.00 | 300 | 125 | 0.50 | 2582-0016 |
| 7896-125 | 1.25 | 32 | 1.57 | 40 | 6.00 | 4.00 | 275 | 125 | 0.50 | 2582-0020 or 2584-0212 |
| 7896-150 | 1.50 | 38 | 1.82 | 46 | 6.00 | 4.00 | 250 | 125 | 0.50 | 2582-0024 or 2584-0212 |
| 7896-175 | 1.75 | 44 | 2.07 | 53 | 6.00 | 4.00 | 225 | 125 | 0.50 | 2582-0028 or 2584-0262 |
| 7896-200 | 2.00 | 51 | 2.32 | 59 | 6.00 | 4.00 | 200 | 100 | 0.50 | 2582-0032 or 2584-0262 |
| 7896-225 | 2.25 | 57 | 2.57 | 65 | 6.00 | 4.00 | 175 | 100 | 1.00 | 2582-0036 or 2584-0312 |
| 7896-250 | 2.50 | 64 | 2.82 | 72 | 6.50 | 4.00 | 150 | 100 | 1.00 | 2582-0040 or 2584-0312 |
| 7896-275 | 2.75 | 70 | 3.07 | 78 | 7.00 | 4.00 | 125 | 100 | 1.00 | 2582-0044 or 2584-0362 |
| 7896-300 | 3.00 | 76 | 3.32 | 84 | 7.50 | 4.00 | 100 | 100 | 1.50 | 2582-0048 or 2584-0362 |
| 7896-350 | 3.50 | 89 | 3.82 | 97 | 8.50 | 4.00 | 75 | 100 | 2.00 | 2582-0056 or 2584-0412 |
| 7896-400 | 4.00 | 102 | 4.32 | 110 | 9.50 | 4.00 | 50 | 100 | 2.50 | 2582-0064 or 2584-0462 |

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



# 7903 SERIES: REDUCERS

Stocked in standard 6” lengths

#### FLEXFAB 7903 SERIES REDUCERS SERVE A DUAL PURPOSE.

Can be used as a coolant hose

Can be used as a charge air connector (CAC)

##### CONSTRUCTION:

* Silicone hose with 4-plies of Meta-Aramid Reinforcement

##### SPECIFICATIONS:

* Meets or exceeds the operating requirements of SAE J20 R1 Class A
* 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)
* Working pressure is 1/3 of the burst pressure
* 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)** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** | **SAE J20 R1** | **TMC** |
| FLX7903-100125 | 1.00/1.25 | 25/32 | 1.39/1.64 | 35/42 | 6.00 | 275 | 125 | 0.5 | 2582-0016/2582-0020  2584-0175/2584-0212 |
| FLX7903-100150 | 1.00/1.50 | 25/38 | 1.39/1.89 | 35/48 | 6.00 | 250 | 125 | 0.5 | 2582-0016/2582-0024  2584-0175/2584-0212 |
| FLX7903-100175 | 1.00/1.75 | 25/44 | 1.39/2.14 | 35/54 | 6.00 | 225 | 125 | 0.5 | 2582-0016/2582-0028  2584-0175/2584-0262 |
| FLX7903-100200 | 1.00/2.00 | 25/51 | 1.39/2.39 | 35/61 | 6.00 | 200 | 100 | 0.5 | 2582-0016/2582-0032  2584-0175/2584-0262 |
| FLX7903-125200 | 1.25/2.00 | 32/51 | 1.64/2.39 | 42/61 | 6.00 | 200 | 100 | 0.5 | 2582-0020/2582-0032  2584-0175/2584-0262 |
| FLX7903-150200 | 1.50/2.00 | 38/51 | 1.89/2.39 | 48/61 | 6.00 | 200 | 100 | 0.5 | 2582-0024/2582-0032  2584-0212/2584-0262 |
| FLX7903-175200 | 1.75/2.00 | 44/51 | 2.14/2.39 | 54/61 | 6.00 | 200 | 100 | 0.5 | 2582-0028/2582-0032  2584-0262/2584-0262 |
| FLX7903-200225 | 2.00/2.25 | 51/57 | 2.39/2.64 | 61/67 | 6.00 | 175 | 100 | 0.5 | 2582-0032/2582-0036  2584-0262/2584-0312 |
| FLX7903-200250 | 2.00/2.50 | 51/64 | 2.39/2.89 | 61/73 | 6.00 | 150 | 100 | 0.5 | 2582-0032/2582-0040  2584-0262/2584-0312 |
| FLX7903-200275 | 2.00/2.75 | 51/70 | 2.39/3.14 | 61/80 | 6.00 | 125 | 100 | 0.5 | 2582-0032/2582-0044  2584-0262/2584-0362 |
| FLX7903-200300 | 2.00/3.00 | 51/76 | 2.39/3.39 | 61/86 | 6.00 | 100 | 100 | 0.5 | 2582-0032/2582-0048  2584-0262/2584-0362 |
| FLX7903-225250 | 2.25/2.50 | 57/64 | 2.64/2.89 | 67/73 | 6.00 | 150 | 100 | 0.5 | 2582-0036/2582-0040  2584-0312/2584-0312 |
| FLX7903-225275 | 2.25/2.75 | 57/70 | 2.64/3.14 | 67/80 | 6.00 | 125 | 100 | 0.5 | 2582-0036/2582-0044  2584-0312/2584-0362 |
| FLX7903-225300 | 2.25/3.00 | 57/76 | 2.64/3.39 | 67/86 | 6.00 | 100 | 100 | 0.5 | 2582-0036/2582-0048  2584-0312/2584-0362 |
| FLX7903-250275 | 2.50/2.75 | 64/70 | 2.89/3.14 | 73/80 | 6.00 | 125 | 100 | 0.5 | 2582-0040/2582-0044  2584-0312/2584-0362 |
| FLX7903-250300 | 2.50/3.00 | 64/76 | 2.89/3.39 | 73/86 | 6.00 | 100 | 100 | 0.5 | 2582-0040/2582-0048  2584-0312/2584-0362 |
| FLX7903-250350 | 2.50/3.50 | 64/89 | 2.89/3.89 | 73/99 | 6.00 | 75 | 100 | 0.5 | 2582-0040/2582-0056  2584-0312/2584-0412 |
| FLX7903-275300 | 2.75/3.00 | 70/76 | 3.14/3.39 | 80/86 | 6.00 | 100 | 100 | 0.5 | 2582-0044/2582-0048  2584-0362/2584-0362 |
| FLX7903-300350 | 3.00/3.50 | 76/89 | 3.39/3.89 | 86/99 | 6.00 | 75 | 100 | 0.5 | 2582-0048/2582-0056  2584-0362/2584-0412 |
| FLX7903-300400 | 3.00/4.00 | 76/102 | 3.39/4.39 | 86/112 | 6.00 | 50 | 100 | 0.5 | 2582-0048/2582-0064  2584-0362/2584-0462 |
| FLX7903-350400 | 3.50/4.00 | 89/102 | 3.89/4.39 | 99/112 | 6.00 | 50 | 100 | 0.5 | 2582-0056/2582-0064  2584-0412/2584-0462 |
| FLX7903-400500 | 4.00/5.00 | 102/127 | 4.39/5.39 | 112/137 | 6.00 | N/A | N/A | 0.5 | 2584-0462/2584-0562 |

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



# 5584 SERIES: MARINE WET EXHAUST SLEEVES

Stocked in 3’ lengths

Limited Availability Please Call

# 5584 SERIES: MARINE WET EXHAUST SLEEVES

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Burst Pressure - PSI SAE J20 R1** | **Weight (LB/FT)** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** |
| 5584-087 | 0.88 | 22 | 1.11 | 28 | 36 | 1.00 | 2582-0012 |
| 5584-100 | 1.00 | 25 | 1.24 | 31 | 36 | 1.00 | 2582-0016 |
| 5584-125 | 1.25 | 32 | 1.49 | 38 | 36 | 1.50 | 2582-0020 or 2584-0212 |
| 5584-150 | 1.50 | 38 | 1.74 | 44 | 36 | 1.50 | 2582-0024 or 2584-0212 |
| 5584-175 | 1.75 | 44 | 1.99 | 50 | 36 | 1.50 | 2582-0028 or 2584-0262 |
| 5584-200 | 2.00 | 51 | 2.24 | 57 | 36 | 2.00 | 2582-0032 or 2584-0262 |
| 5584-225 | 2.25 | 57 | 2.67 | 68 | 36 | 2.50 | 2582-0036 or 2584-0312 |
| 5584-250 | 2.50 | 64 | 2.92 | 74 | 36 | 2.75 | 2582-0040 or 2584-0312 |
| 5584-275 | 2.75 | 70 | 3.17 | 80 | 36 | 3.00 | 2582-0044 or 2584-0362 |
| 5584-287 | 2.88 | 73 | 3.30 | 84 | 36 | 3.00 | 2582-0044 or 2584-0362 |
| 5584-300 | 3.00 | 76 | 3.42 | 87 | 36 | 3.00 | 2582-0048 or 2584-0362 |
| 5584-350 | 3.50 | 89 | 3.92 | 99 | 36 | 3.75 | 2582-0056 or 2584-0412 |
| 5584-400 | 4.00 | 102 | 4.42 | 112 | 36 | 4.50 | 2582-0064 or 2584-0512 |
| 5584-450 | 4.50 | 114 | 4.92 | 125 | 36 | 4.75 | 2582-0072 or 2584-0512 |
| 5584-500 | 5.00 | 127 | 5.42 | 138 | 36 | 5.00 | 2584-0562 |
| 5584-600 | 6.00 | 152 | 6.42 | 163 | 36 | 9.00 | 2584-0662 |
| 5584-800 | 8.00 | 203 | 8.57 | 218 | 36 | 9.50 | 2584-0862 |
| 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 | - |

##### CONSTRUCTION:

* 0.875” ID up to 2” ID: 3-ply Polyester Reinforcement, wall thickness is .155/.200
* 2.25” ID up to 8” ID: 4-ply Polyester Reinforcement, wall thickness is .175/.240
* 10” ID up to 16” ID: 6-ply Polyester Reinforcement, wall thickness is .245/.320

##### SPECIFICATIONS:

* Meets or exceeds the operating requirements of SAE J2006 R3, ISO33660, SAE J1942
* Working pressure is 1/3 of the burst pressure
* Temperature range is -65°F (-54°C) to +350°F (+177°C)

**MARINE WET EXHAUST SYSTEMS:**

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

##### APPLICATIONS:

* Marine wet exhaust

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 2000ºF 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
* Not subject to corrosion, stress or cracking
* Absorbs engine movement and vibration



# 7901 SERIES: MARINE WET EXHAUST BELLOWS

Limited Stock

Please call for availability

##### CONSTRUCTION:

* Silicone hose with 6 plies of Polyester Reinforcement

##### 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)
* Working pressure is 1/3 of the burst pressure
* Wall thickness is .225/.300

##### APPLICATIONS:

* Marine wet exhaust

# 7901 SERIES: MARINE WET EXHAUST BELLOWS

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Part Number** | **Inside Diameter** | | **Outside Diameter** | | **Overall Length Inches** | **Bellows (Humps)** | **Burst Pressure - PSI SAE J2006 R3** | **Weight LBS** | **Clamp** |
| **Inch** | **MM** | **Inch** | **MM** |
| 7901-0009 | 6.00 | 152 | 6.53 | 166 | 8.00 | One | 36 | 3 | 2584-0662 |
| 7901-0010 | 8.00 | 203 | 8.53 | 217 | 8.00 | One | 36 | 3.5 | 2584-0862 |
| 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 2000ºF to below 250ºF. 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
* Not subject to corrosion, stress or cracking
* Absorbs engine movement and vibration



# 5531 SERIES: 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.

# 36519 SERIES: BEADED CONNECTORS

Anodized Aluminum Blue Connectors

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Part Number Beaded Connectors** | **Outside Diameter** | | **Bead Height (AS5131)** | **Overall Length Inches** | **Weight LBS** |
| **Inch** | **MM** |
| DEA-36519-0625 | 0.63 | 16 | .047 - .087 | 3.00 | 0.50 |
| DEA-36519-0750 | 0.75 | 19 | .047 - .087 | 3.00 | 0.50 |
| 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 |

##### CONSTRUCTION:

* Silicone hose without reinforcement

##### APPLICATIONS:

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

|  |  |  |
| --- | --- | --- |
| **Temperature in Celsius** | **Temperature in Fahrenheit** | **Expected Life** |
| <130˚C | <266˚F | Several Years |
| 150˚C | 302˚F | 1.5 Years |
| 200˚C | 392˚F | 8 Months |
| 250˚C | 482˚F | 3 Months |
| 300˚C | 572˚F | 10 Days |

Media: Hot Air with Continuous Exposure This information is for Reference ONLY and is not a guarantee.

**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

\*Specifications for reference only.



# 2582 SERIES: LINED WORM GEAR CLAMPS

Recommended for Silicone Coolant and Heater Hoses Please call for availability

# 2582 SERIES: LINED WORM GEAR CLAMPS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Part Number - Clamps Lined Worm Gear** | **Min. Dia. (in.)** | **Max. Dia. (in.)** | **Min. Dia. (mm)** | **Max. Dia. (mm)** | **Pack Size** | **Weight LBS- Per 10** |
| FLX2582-0006 | 0.50 | 0.88 | 13 | 22 | 10 | 0.5 |
| FLX2582-0008 | 0.63 | 1.00 | 16 | 25 | 10 | 0.5 |
| FLX2582-0010 | 0.75 | 1.06 | 19 | 27 | 10 | 0.5 |
| FLX2582-0012 | 0.88 | 1.25 | 22 | 32 | 10 | 0.5 |
| FLX2582-0016 | 1.00 | 1.50 | 26 | 38 | 10 | 0.5 |
| FLX2582-0020 | 1.13 | 1.75 | 29 | 44 | 10 | 0.5 |
| FLX2582-0024 | 1.25 | 2.00 | 32 | 51 | 10 | 0.5 |
| FLX2582-0028 | 1.31 | 2.25 | 33 | 57 | 10 | 0.5 |
| FLX2582-0032 | 1.56 | 2.50 | 40 | 63 | 10 | 0.5 |
| FLX2582-0036 | 1.81 | 2.75 | 46 | 70 | 10 | 0.5 |
| FLX2582-0040 | 2.06 | 3.00 | 52 | 76 | 10 | 0.5 |
| FLX2582-0044 | 2.31 | 3.25 | 59 | 82 | 10 | 0.5 |
| FLX2582-0048 | 2.56 | 3.50 | 65 | 89 | 10 | 0.5 |
| FLX2582-0052 | 2.81 | 3.75 | 72 | 95 | 10 | 0.5 |
| FLX2582-0056 | 3.06 | 4.00 | 78 | 101 | 10 | 0.5 |
| FLX2582-0060 | 3.31 | 4.25 | 84 | 108 | 10 | 0.5 |
| FLX2582-0064 | 3.56 | 4.50 | 91 | 114 | 10 | 1 |
| FLX2582-0072 | 4.06 | 5.00 | 103 | 127 | 10 | 1 |

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:

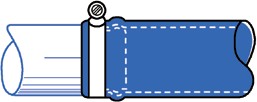
* All 300 grade stainless steel lined worm gear clamps
* Hex Head: 5/16”
* Band Width: 9/16”
* Resists salt water and may be used in marine applications

##### APPLICATIONS:

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

### COOLANT AND HEATER HOSE CLAMPING INSTRUCTIONS:

Clamp, Lined



Formed Tube End Silicone Hose

\*Specifications for reference only.

.25” Min. 1.25” Min.

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.



# 2584 SERIES: CONSTANT TENSION CLAMPS

Please call for availability

# 2584 SERIES: CONSTANT TENSION CLAMPS

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

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:

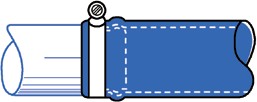
* All 300 grade stainless steel Constant Tension lined clamps
* Hex Head: 3/8”
* Band Width: 5/8”
* Resists salt water and may be used in marine applications

##### APPLICATIONS:

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

### COOLANT AND HEATER HOSE CLAMPING INSTRUCTIONS:

Clamp, Lined



Formed Tube End Silicone Hose

\*Specifications for reference only.

.25” Min. 1.25” Min.

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 SERIES: 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.

# 2583 SERIES: 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 |

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

##### SPECIFICATIONS:

* All 300 grade stainless steel T-bolt clamps
* Hex Head: 7/16” with Nylon insert
* Band Width: 3/4”
* 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

### CAC AND TURBO CHARGER HOSE CLAMPING INSTRUCTIONS:

\*Specifications for reference only.

T-Bolt Clamp



Formed Tube End Silicone Charge Air Connector

.25” Min. 1.25” Min.

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

# 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 ther- mostat 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:

# 2588 SERIES: SPRING LOADED T-BOLT CLAMPS 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.

Heater Hoses

Cooling Jackets

Heater Core Thermostat Upper Radiator Hose

Coolant Recovery System

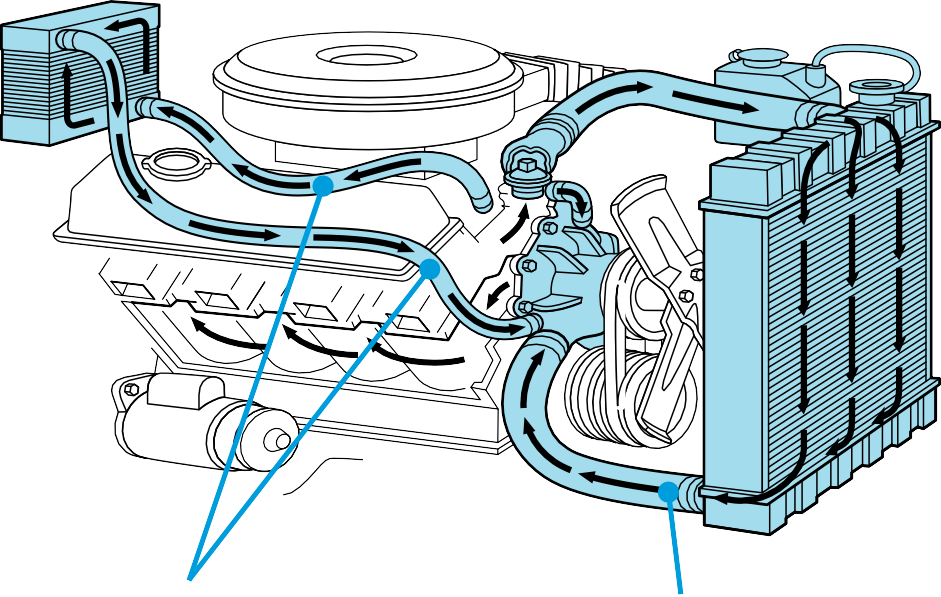
Spring-Loaded T-bolt clamps are designed to compensate for fluctuations in all types of hose line assemblies. When tem- perature and/or pressure changes cause hose lines to expand or contract, Spring-Loaded T-bolt Clamps adjust accordingly to provide constant band tension.

Water Pump

Lower Radiator Hose

Down-Flow Radiator

##### SPECIFICATIONS:



* All 316 grade stainless steel Spring-Loaded T-bolt clamps
* Hex Head: 5/16”
* Band Width: 3/4”
* Resists salt water and may be used in marine applications

##### APPLICATIONS:

FLX5526 Standard Heater Hose FLX5521 Premium Heater Hose

FLX5515 Series Coolant Hose FLX5581 Series Coolant Hose FLX5415 Series Coolant Hose FLX7884 Series 90º Elbows FLX7896 Series 45º Elbows FLX7903 Series Reducers

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

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 rou- tine maintenance.

FOR REFERENCE ONLY

# CHARGE-AIR COOLING PROCESS

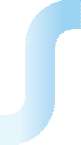
**A very important component to overall engine efficiency**

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 horse- power, 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:

Compressed Air Flow

Engine Cylinder



Charge-Air Cooler

Turbocharger Oil Inlet

Compressor Turbine Wheel

Ambient Air Inlet Exhaust

Compressor Wheel

Oil Outlet

Wastegate

FLX7755-0002D or other cold side CAC Bellow FLX7884 Series 90º Elbows

FLX7896 Series 45º Elbows FLX7903 Series Reducers

FLX7715-0002D or other Hot Side CAC Bellow FLX7884 Series 90º Elbows

FLX7896 Series 45º Elbows FLX7903 Series Reducers

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.

##### FOR REFERENCE ONLY