

# Price List 2005

*High Performance Silicone for High performance street  
and off road vehicles*



*The silicone hose preferred by those who know the difference!*

Dealer inquires welcome

Email: [sales@hightempsilicone.com](mailto:sales@hightempsilicone.com)

# About High Temp Silicone

*The majority of aftermarket and high performance supply shops specialize in “everything” and have a little piece of knowledge about everything they sell. This is great if you want to buy all of your products at one place, but what if you need to know technical information about one particular part? Are they going to be able to provide with the technical know-how? Will you get a correct and detailed answer?*

*At High Temp Silicone, you won't find aftermarket exhaust systems, custom wheels, or even spark plug wires. That's because we are 100% focused on providing our customers with the products we*



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*know best, and that's intercooler, turbo/supercharger plumbing and clamping systems. We have dedicated our time developing and producing some of today's highest performing, longest lasting, and quality silicone hose available.*

*With over 14 years experience working with rubber and silicone polymers, we can help you choose the right material for your application. We are staffed with experienced professionals dedicated to providing you with the best possible products available. Our in house engineering department can help you through the design phase all the way through production and testing of your new product.*

*Our reinforced silicone hose production starts off with 100% U.S. manufactured silicone bases that are formulated to resist chemicals, ozone, cracking, peeling and extreme temperatures. Our hoses are manufactured to outperform the physical requirements of SAE J20 R1 Class A. Each production lot has been burst tested per the spec and has been inspected for visual defects prior to being released from our production. Because of this, you can be assured that the hose you receive from **HighTempSilicone** will perform in the most extreme environments.*

*Furthermore, our products are backed by a lifetime warranty against bursting, tearing, splitting or separation. With our products being installed in all types of racing vehicles pushing up to almost 100 PSI of boost we have yet to have a failure on any of our products!*

*We appreciate the time you have taken to learn more about our products. If you have any questions about our products or any questions related to silicone or rubber in general, please feel free to ask!*



## 4 Ply Aramid Silicone Hose — 36” lengths

When the heat is turned up, the last thing you want to be thinking about whether or not your connections are going to hold. The limiting factor in a high temperature, high pressure, silicone hose application is the reinforcing fabric layer. Polyester typically starts to melt around 375°F. This limiting factor restricts the use of polyester reinforced silicone hose to inter-coolers, intakes and cooling systems. The inherent high temperatures of today’s high performance turbo and superchargers require a hose that can stand up to the job. This is why we have reinforced our high performance line of silicone hoses with **4 plies** of Aramid fabric.



Aramid is a very unique fabric that has an incredible resistance to temperature. Aramid has been used in extreme applications such as firefighter turn out gear and fire proof racing suits. We chose to reinforce our high performance line of silicone hose with this fire resistant fabric due to its amazing high temp resistance of 500°F. You may be thinking why not use fiberglass in lieu of Aramid for the temperature resistance? Well we have found that when exposed to colder climates, fiberglass becomes brittle and stiff. Any excessive vibration or movement in low temperatures may become a problem for fiberglass-reinforced silicone hose. When we compared these two fabrics side by side, we found that the extra 50° we could achieve with the fiberglass did not outweigh the pitfalls of a cold weather malfunction.

ID	Part Number	Retail
1.00" / 25.4MM	HTS1004T-36	\$57.00/ea
1.50" / 38.1MM	HTS1504T-36	\$59.00/ea
2.00" / 50.8MM	HTS2004T-36	\$61.00/ea
2.25" / 57.2MM	HTS2254T-36	\$65.50/ea
2.50" / 63.5MM	HTS2504T-36	\$70.00/ea
2.75" / 69.9MM	HTS2754T-36	\$73.00/ea
3.00" / 76.2MM	HTS3004T-36	\$76.00/ea
3.25" / 82.6MM	HTS3254T-36	\$82.00/ea
3.50" / 88.9MM	HTS3504T-36	\$88.00/ea
4.00" / 101.6MM	HTS4004T-36	\$94.00/ea
4.50" / 114.3MM	HTS4504T-36	\$104.00/ea

When we compared these two fabrics side by side, we found that the extra 50° we could achieve with the fiberglass did not outweigh the pitfalls of a cold weather malfunction.

### Key Features

- SAEJ20 4 ply Aramid Construction
- 500°F Continuous maximum operating temperature
- Cut to length for custom applications
- Great for direct turbo-charger installations.
- Lifetime warranty!



*The silicone hose preferred by those who know the difference!*

[www.HIGHTEMPSILICONE.COM](http://www.HIGHTEMPSILICONE.COM)

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Suite #3  
Hesperia, CA 92345  
Phone: 760-956-9994  
Fax: 800-683-0586

# 3 Ply Polyester Silicone Hose — 36" lengths

The majority of all intercooler and intake systems are manufactured using mandrel bent pipe. Whether your pipes are made from steel, aluminum, stainless steel or titanium you will need to join these sections with a semi-flexible connection. High Temp Silicone's 3 ply polyester hose and couplers fill that gap by providing a high quality affordable bridge between your connections.

Our intercooler hose is reinforced with 3-ply of woven polyester fabric and is manufactured with a standard wall thickness of .195". This heavy wall construction is more than adequate for most of the intercoolers and intake applications. The limiting factor with this hose is the temperature range of -65° to 350°F. Although our silicone intercooler hose is quite an improvement over the OEM rubber connections, the temperature range will max out around 350°F. This limiting factor prohibits the use of this hose directly connected to your turbo, or in very close proximity to exhaust components.



## Key Features

- SAEJ20 3 ply polyester construction
- 350°F Continuous maximum operating temperature
- Cut to length for custom applications
- Great for direct turbo-charger installations.
- Lifetime warranty!

Red or Blue

ID	Part Number	Retail
2.00" / 50.8MM	HTS2003-36	\$51.00/ea
2.25" / 57.2MM	HTS2253-36	\$55.50/ea
2.50" / 63.5MM	HTS2503-36	\$60.00/ea
2.75" / 69.9MM	HTS2753-36	\$63.00/ea
3.00" / 76.2MM	HTS3003-36	\$66.00/ea
3.25" / 82.6MM	HTS3253-36	\$72.00/ea
3.50" / 88.9MM	HTS3503-36	\$70.00/ea
4.00" / 101.6MM	HTS4003-36	\$84.00/ea



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## 4 Ply Aramid Silicone Hose — 12” lengths

When the heat is turned up, the last thing you want to be thinking about whether or not your connections are going to hold. The limiting factor in a high temperature, high pressure, silicone hose application is the reinforcing fabric layer. Polyester typically starts to melt around 375°F. This limiting factor restricts the use of polyester reinforced silicone hose to inter-coolers, intakes and cooling systems. The inherent high temperatures of today’s high performance turbo and superchargers require a hose that can stand up to the job. This is why we have reinforced our high performance line of silicone hoses with **4 plies** of Aramid fabric.



Aramid is a very unique fabric that has an incredible resistance to temperature. Aramid has been used in extreme applications such as firefighter turn out gear and fire proof racing suits. We chose to reinforce our high performance line of silicone hose with this fire resistant fabric due to its amazing high temp resistance of 500°F. You may be thinking why not use fiberglass in lieu of Aramid for the temperature resistance? Well we have found that when exposed to colder climates, fiberglass becomes brittle and stiff. Any excessive vibration or movement in low temperatures may become a problem for fiberglass-reinforced silicone hose. When we compared these two fabrics side by side, we found that the extra 50° we could achieve with the fiberglass did not outweigh the pitfalls of a cold weather malfunction.

ID	Part Number	Retail
1.00" / 25.4MM	HTS1004T-12	\$21.00/ft
1.50" / 38.1MM	HTS1504T-12	\$22.00/ft
2.00" / 50.8MM	HTS2004T-12	\$23.00/ft
2.25" / 57.2MM	HTS2254T-12	\$24.00/ft
2.50" / 63.5MM	HTS2504T-12	\$25.00/ft
2.75" / 69.9MM	HTS2754T-12	\$26.00/ft
3.00" / 76.2MM	HTS3004T-12	\$27.00/ft
3.25" / 82.6MM	HTS3254T-12	\$29.00/ft
3.50" / 88.9MM	HTS3504T-12	\$31.00/ft
4.00" / 101.6MM	HTS4004T-12	\$34.00/ft
4.50" / 114.3MM	HTS4504T-12	\$37.00/ft

### Key Features

- SAEJ20 4 ply Aramid Construction
- 500°F Continuous maximum operating temperature
- Cut to length for custom applications
- Great for direct turbo-charger installations.
- Lifetime warranty!

Red, Blue or  
Black



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# 3 Ply Polyester Silicone Hose — 12” lengths

The majority of all intercooler and intake systems are manufactured using mandrel bent pipe. Whether your pipes are made from steel, aluminum, stainless steel or titanium you will need to join these sections with a semi-flexible connection. High Temp Silicone’s 3 ply polyester hose and couplers fill that gap by providing a high quality affordable bridge between your connections.

Our intercooler hose is reinforced with 3-ply of woven polyester fabric and is manufactured with a standard wall thickness of .195”. This heavy wall construction is more than adequate for most of the intercoolers and intake applications. The limiting factor with this hose is the temperature range of –65° to 350°F. Although our silicone intercooler hose is quite an improvement over the OEM rubber connections, the temperature range will max out around 350°F. This limiting factor prohibits the use of this hose directly connected to your turbo, or in very close proximity to exhaust components.



## Key Features

- SAEJ20 3 ply Polyester construction
- 350°F Continuous maximum operating temperature
- Cut to length for custom applications
- Great for direct turbo-charger installations.
- Lifetime warranty!

Red or Blue

ID	Part Number	Retail
2.00" / 50.8MM	HTS2003-12	\$18.00/ft
2.25" / 57.2MM	HTS2253-12	\$19.00/ft
2.50" / 63.5MM	HTS2503-12	\$21.00/ft
2.75" / 69.9MM	HTS2753-12	\$22.00/ft
3.00" / 76.2MM	HTS3003-12	\$23.00/ft
3.25" / 82.6MM	HTS3253-12	\$25.00/ft
3.50" / 88.9MM	HTS3503-12	\$27.00/ft
4.00" / 101.6MM	HTS4003-12	\$29.00/ft



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# 4 Ply Aramid- 3.00” long couplers

When the heat is turned up, the last thing you want to be thinking about whether or not your connections are going to hold. The limiting factor in a high temperature, high pressure, silicone hose application is the reinforcing fabric layer. Polyester typically starts to melt around 375°F. This limiting factor restricts the use of polyester reinforced silicone hose to intercoolers, intakes and cooling systems. The inherent high temperatures of today’s high performance turbo and superchargers require a hose that can stand up to the job. This is why we have reinforced our high performance line of silicone hoses with **4 plies** of Aramid fabric.



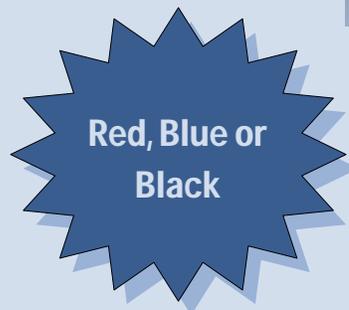
Aramid is a very unique fabric that has an incredible resistance to temperature. Aramid has been used in extreme applications such as firefighter turn out gear and fire proof racing suits. We chose to reinforce our high performance line of silicone hose with this fire resistant fabric due to its amazing high temp resistance of 500°F. You may be thinking why not use fiberglass in lieu of Aramid for the temperature resistance? Well we have found that when exposed to colder climates, fiberglass becomes brittle and stiff. Any excessive vibration or movement in low temperatures may become a problem for fiberglass-reinforced silicone hose. When we compared these two fabrics side by side, we found that the extra 50° we could achieve with the fiberglass did not outweigh the pitfalls of a cold weather malfunction.

ID	Part Number	Retail
1.00” / 25.4MM	HTS1004T-3	\$6.05/ea
1.50” / 38.1MM	HTS1504T-3	\$7.00/ea
2.00” / 50.8MM	HTS2004T-3	\$7.95/ea
2.25” / 57.2MM	HTS2254T-3	\$9.00/ea
2.50” / 63.5MM	HTS2504T-3	\$9.50/ea
2.75” / 69.9MM	HTS2754T-3	\$10.00/ea
3.00” / 76.2MM	HTS3004T-3	\$10.50/ea
3.25” / 82.6MM	HTS3254T-3	\$11.00/ea
3.50” / 88.9MM	HTS3504T-3	\$11.25/ea
4.00” / 101.6MM	HTS4004T-3	\$13.00/ea
4.50” / 114.3MM	HTS4504T-3	\$14.00/ea

When we compared these two fabrics side by side, we found that the extra 50° we could achieve with the fiberglass did not outweigh the pitfalls of a cold weather malfunction.

### Key Features

- SAEJ20 4 ply Aramid Construction
- 500°F Continuous maximum operating temperature
- Great for direct turbo-charger installations.
- Lifetime warranty!



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# 3 Ply Polyester- 3.00" long couplers



The majority of all intercooler and intake systems are manufactured using mandrel bent pipe. Whether your pipes are made from steel, aluminum, stainless steel or titanium you will need to join these sections with a semi-flexible connection. High Temp Silicone's 3 ply polyester hose and couplers fill that gap by providing a high quality affordable bridge between your connections. Our intercooler hose is reinforced with 3-ply of woven polyester fabric and is manufactured with a standard wall thickness of .195".

This heavy wall construction is more than adequate for most of the intercoolers and intake applications. The limiting factor with this hose is the temperature range of -65° to 350°F. Although our silicone intercooler hose is quite an improvement over the OEM rubber connections, the temperature range will max out around 350°F. This limiting factor prohibits the use of this hose directly connected to your turbo, or in very close proximity to exhaust components.

### Key Features

- SAEJ20 3 ply Polyester construction
- 350°F Continuous maximum operating temperature
- Great for intercoolers or air intakes
- Lifetime warranty!

ID	Part Number	Retail
2.00" / 50.8MM	HTS2003-3	\$6.00/ea
2.25" / 57.2MM	HTS2253-3	\$6.75/ea
2.50" / 63.5MM	HTS2503-3	\$7.25/ea
2.75" / 69.9MM	HTS2753-3	\$7.75/ea
3.00" / 76.2MM	HTS3003-3	\$8.00/ea
3.25" / 82.6MM	HTS3253-3	\$8.35/ea
3.50" / 88.9MM	HTS3503-3	\$8.65/ea
4.00" / 101.6MM	HTS4003-3	\$9.25/ea



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# 4 Ply Aramid- Silicone Reducers/Transitions

High Temp Silicone transitions are made to stand up to severe punishment. Unlike non-reinforced silicone transitions, you can mount these directly up to the hot side of a turbocharger. Reinforced with 4 plies of Aramid fabric, our transitions have a temperature range up to 500°F and are included in our **High Performance Series** of silicone products.

### Key Features

- SAEJ20 4 ply Aramid Construction
- 500°F Continuous maximum operating temperature
- Great for direct turbo-charger installations.
- Lifetime warranty!

Our High Performance Transitions are sold in several different configurations listed below.

**Applications:** Primarily used on turbochargers, this hose can also be put to work on Intercoolers and intakes, where the extreme temperature range of -65°F to 500°F can be utilized.



ID's	Part Number	Retail
1.50"/1.75"	HTS150175T4-3	\$17.55/ea
1.75"/2.25"	HTS175225T4-3	\$17.95/ea
1.75"/2.50"	HTS175250T4-3	\$18.00/ea
2.00"/2.25"	HTS200225T4-3	\$18.00/ea
2.00"/2.50"	HTS200250T4-3	\$19.00/ea
2.00"/3.00"	HTS200300T4-3	\$19.50/ea
2.25"/2.50"	HTS225250T4-3	\$19.25/ea
2.25"/2.75"	HTS225275T4-3	\$19.35/ea
2.25"/3.00"	HTS225300T4-3	\$19.50/ea
2.38"/2.75"	HTS238275T4-3	\$19.50/ea
2.38"/3.00"	HTS238300T4-3	\$19.75/ea

ID's	Part Number	Retail
2.50"/2.75"	HTS250275T4-3	\$19.50/ea
2.50"/3.00"	HTS250300T4-3	\$19.89/ea
2.75"/3.00"	HTS275300T4-3	\$20.00/ea
3.00"/3.13"	HTS300313T4-3	\$20.50/ea
3.00"/3.25"	HTS300325T4-3	\$20.50/ea
3.00"/3.50"	HTS300350T4-3	\$21.00/ea
3.00"/4.00"	HTS300400T4-3	\$24.00/ea
3.25"/3.50"	HTS325350T4-3	\$24.50/ea
3.50"/4.00"	HTS350400T4-3	\$25.00/ea
4.00"/4.50"	HTS400450T4-3	\$32.30/ea



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# 4 Ply Aramid- Silicone Hump Hoses



High vibrations or any movement between your connections could mean you are constantly checking and re-checking your silicone couplers to make sure they are still in place. Misaligned pipe connections could spell an installation disaster. Instead of tearing your pipes out and starting over, we have an alternate solution for you.

High Temp Silicone hump hoses can be installed with a slight misalignment and compensate for a wide range of motion and/or mechanical vibration. Reinforced with 4 plies of Aramid fabric, our hump hoses have a

temp range up to 500°F and are included in our **High Performance Series** of silicone products.

## Key Features

- SAEJ20 4 ply Aramid Construction
- 500°F Continuous maximum operating temperature
- Great for direct turbocharger installations.
- Provides for vibration and engine movement
- Lifetime warranty!

**Applications:** Primarily used on turbochargers, this hose can also be put to work on Intercoolers and intakes, where the extreme temperature range of -65°F to 500°F can be utilized.

ID's	Part Number	Retail
2.00" / 50.8MM	HTS2004TH-3	\$15.00/ea
2.25" / 57.2MM	HTS2254TH-3	\$15.25/ea
2.50" / 63.5MM	HTS2504TH-3	\$16.00/ea
2.75" / 69.9MM	HTS2754TH-3	\$16.75/ea
3.00" / 76.2MM	HTS3004TH-3	\$16.75/ea
3.50" / 88.9MM	HTS3504TH-3	\$18.25/ea
4.00" / 101.6MM	HTS4004TH-3	\$19.00/ea

Now available in  
Red, Blue or Black!



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# 4 Ply Aramid- Silicone CAC Hoses

Our High Performance CAC (Charge Air Cooler) hoses have been designed with 4 plies of Aramid fabric reinforcement to work on both the cold and hot side of your forced induction vehicle. These hoses allow up to 20° of movement throughout the complete 360° range. Made with multiple high grade 300 series Stainless Steel retaining rings you can install these hoses on vehicles pushing up to 60 pounds of boost. These hoses have been made with a .145" nominal wall thickness allowing for better articulation under pressure.

These CAC hoses were originally designed to work on heavy duty transport vehicles, however we are finding that this is a perfect fit into our High Performance Series of silicone hoses.

**Applications:** Primarily used on turbochargers, this hose can also be put to work on Intercoolers and intakes, where the extreme temperature range of -65°F to 500°F can be utilized.



ID's	Part Number	Length	Retail
2.00" / 50.8MM	HTS2004TC-6	6.00"	\$22.58/ea
2.50" / 63.5MM	HTS2504TC-6	6.00"	\$26.35/ea
2.75" / 69.9MM	HTS2754TC-6	6.00"	\$27.85/ea
3.00" / 76.2MM	HTS3004TC-6	6.00"	\$28.20/ea
3.50" / 88.9MM	HTS3504TC-6	6.00"	\$31.98/ea
4.00" / 101.6MM	HTS4004TC-6	6.00"	\$33.85/ea
4.50" / 114.3MM	HTS4504TC-8	8.00"	\$40.50/ea
3.00"/3.50"	HTS3003504TC-6	6.00"	\$49.70/ea
3.00" / 4.00"	HTS3004004TC-6	6.00"	\$50.37/ea
3.50" / 4.00"	HTS3504004TC-6	6.00"	\$51.90/ea

← NEW Reducing CAC!  
 ← NEW Reducing CAC!  
 ← NEW Reducing CAC!



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# 4 Ply Polyester- 90° Silicone Elbows

During the design of your intercooler, intake, turbo, or supercharger pipe layout, you can rely on our 45° and 90° elbows to help make the turn. We chose to use a 4 ply

## Key Features

- SAEJ20 3 Ply Polyester construction
- 350°F Continuous maximum operating temperature
- Great for direct turbocharger installations.
- Provides for vibration and engine movement
- Lifetime warranty!

polyester construction in lieu of an Aramid reinforced construction for these items because they are primarily used on intercooler pipes. The use of polyester still allows for substantial improvement over the OEM rubber elbows with maximum temperature resistance of 350°F.

Our intercooler elbows are manufactured with a heavy wall thickness of .220". This heavy

wall construction is made to stand up to extreme internal

pressures associated with high performance intercoolers and intake applications.

As with all of our silicone hose, manufacturing of the polyester reinforced elbows start off with 100% U.S. manufactured silicone bases that are specifically formulated to resist chemicals, ozone, cracking, peeling and elevated temperatures. Our hose is manufactured to meet SAE J20 RI Class A. Each production lot has been burst tested per the spec and has been inspected for visual defects prior to being released from production.

**Applications:** Primarily used on Intercoolers, intakes and cooling systems where the temperature range -65°F to 350°F can be utilized.



ID's	Part Number	Retail
1.50" / 38.1MM	HTS1504-906	\$37.00/ea
2.00" / 50.8MM	HTS2004-906	\$38.00/ea
2.25" / 57.2MM	HTS2254-906	\$39.75/ea
2.50" / 63.5MM	HTS2504-906	\$40.95/ea
2.75" / 69.9MM	HTS2754-906	\$42.25/ea
3.00" / 76.2MM	HTS3004-906	\$43.95/ea
3.50" / 88.9MM	HTS3504-906	\$47.65/ea
4.00" / 101.6MM	HTS4004-906	\$50.25/ea
2.00"/2.50"	HTS2002504-906	\$51.00/ea
2.50"/3.00"	HTS2503004-906	\$55.00/ea
3.00"/4.00"	HTS3004004-906	\$62.00/ea

- ← Reducing Elbow
- ← NEW Reducing Elbow!
- ← NEW Reducing Elbow!



The silicone hose preferred by those who know the difference!

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Phone: 760-956-9994

Fax: 800-683-0586

E-mail: [sales@hightempsilicone.com](mailto:sales@hightempsilicone.com)

# 4 Ply Polyester- 45° Silicone Elbows



During the design of your intercooler, intake, turbo, or supercharger pipe layout, you can rely on our 45° and 90° elbows to help make the turn. We chose to use a 4 ply polyester construction in lieu of an Aramid reinforced construction for these items because they are primarily used on intercooler pipes. The use of polyester still allows for substantial improvement over the OEM rubber elbows with maximum temperature resistance of 350°F.

Our intercooler elbows are manufactured with a heavy wall thickness of .220". This heavy wall construction is made to stand up to extreme internal pressures associated with high performance intercoolers and intake applications.

As with all of our silicone hose, manufacturing of the polyester reinforced elbows start

off with 100% U.S. manufactured silicone bases that are specifically formulated to resist chemicals, ozone, cracking, peeling and elevated temperatures. Our hose is manufactured to meet SAE J20 R1 Class A. Each production lot has been burst tested per the spec and has been inspected for visual defects prior to being released from production.

## Key Features

- SAEJ20 3 Ply Polyester construction
- 350°F Continuous maximum operating temperature
- Great for direct turbocharger installations.
- Provides for vibration and engine movement
- Lifetime warranty!

ID's	Part Number	Retail
2.00" / 50.8MM	HTS2004-453	\$26.00/ea
2.25" / 57.2MM	HTS2254-453	\$27.25/ea
2.50" / 63.5MM	HTS2504-453	\$28.00/ea
2.75" / 69.9MM	HTS2754-453	\$28.75/ea
3.00" / 76.2MM	HTS3004-453	\$29.00/ea
3.50" / 88.9MM	HTS3504-453	\$33.00/ea
4.00" / 101.6MM	HTS4004-453	\$34.25/ea
2.00"/2.50"	HTS2002504-453	\$34.25/ea

**Applications:** Primarily used on Intercoolers, intakes and cooling systems where the temperature range -65°F to 350°F can be utilized.

← Reducing Elbow



The silicone hose preferred by those who know the difference!

[www.HIGHTEMPSILICONE.COM](http://www.HIGHTEMPSILICONE.COM)

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# Platinum Catalyzed Silicone Vacuum Hose



You may be thinking to yourself, what is platinum catalyzed silicone? Why do I need platinum catalyzed silicone? I thought silicone was just silicone? Are there more types of silicone? The short answer is that platinum cured silicone is “the best silicone money can buy”. However instead of just using that old cliché, let us go a little deeper into what it is.

When silicone is in its raw state it is known to be “uncured”. At this stage it is pretty much the consistency of Jell-O. In order for the silicone to take a shape it must be cured with a catalyst.

The catalyst can be one of several different chemicals, but the two most commonly used are dichlorobenzoyl peroxide and platinum. The majority of the silicone hose you have seen for sale at the corner auto parts store is made with a peroxide curing system. Most manufactures use this system for a couple of different reasons. The first of which is that it is much cheaper to produce. On average a peroxide system will cost about 40-50% less per pound than platinum. The second reason has to do with the manufacturing aspect of the silicone itself. Peroxide silicone has a mixed shelf life of about 6 months, whereas a platinum silicone must be put into production within hours of mixing. This very short shelf life, accompanied with the higher cost of the silicone, can create a large amount of scrapped raw materials. Therefore it is much easier for manufactures to make peroxide silicones.

Now here is where it is a benefit to you. Platinum silicones are far superior in physical properties over a peroxide system. In some cases you may see increases of up to 60% in tensile, elongation, and tear strength. Platinum silicones are less prone to kink or collapse. Because of the tighter cure, they always want to return to the original shape it was cured in (straight). That means when you want to run a vacuum line with a tight bend or corner to turn, you wont have to worry about HTS Silicone Vacuum Hose collapsing on you. They are brilliantly colored, remain shiny and are easy to clean with alcohol. When you add up all of the benefits of using platinum silicone, you can see it is “**The best silicone money can buy!**”

ID's	Part Number	Retail
3.5MM (.138")	SVH35	\$1.25/Ft
4.0MM (.157")	SVH40	\$1.00/ft
6.0MM (.236")	SVH60	\$1.65/ft
8.0MM (.315")	SVH80	\$2.10/ft
10.0MM (.394")	SVH100	\$3.00/ft

## Key Features

- Available in Red, Blue, Black or Silver
- 450°F Continuous maximum operating temperature
- Platinum Catalyzed
- Resist collapse and kinks
- Lifetime warranty!



**The silicone hose preferred by those who know the difference!**

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# Platinum Catalyzed Silicone Vacuum Kits



## **Super Show Kit \$155.00**

The Super Show kit includes: 30Ft of 3.5MM, 30Ft of 4.0MM, 20Ft of 6.0MM, 10Ft of 8.0MM and 20Ft of 10.0MM Platinum Catalyzed Silicone Vacuum hose, (4 ) 6" HTS full color decals



## **Super Detail Kit \$109.00**

The Super Detail kit includes: 30Ft of 3.5MM, 15Ft of 4.0MM, 10Ft of 6.0MM, 10Ft of 8.0MM and 10Ft of 10.0MM Platinum Catalyzed Silicone Vacuum hose, (4 ) 6" HTS full color decals.



## **Starter Kit \$66.00**

The Starter kit includes: 15Ft of 3.5MM, 15Ft of 4.0MM, 10Ft of 6.0MM, 5Ft of 8.0MM and 5Ft of 10.0MM Platinum Catalyzed Silicone Vacuum hose, (2 ) 6" HTS full color decals.



## **Mini Kit \$35.00**

The Mini kit includes: 15Ft of 3.5MM, 10Ft of 6.0MM, and 2Ft of 10.0MM Platinum Catalyzed Silicone Vacuum hose, (2 ) 6" HTS full color decals.



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# 100% Viton® Vacuum Hose



When it comes to the resistance of fuels, greases, and oils, nothing even comes close to Viton Fluoroelastomers. Viton has the capability to withstand the torturous environments associated with the fluids in today's high performance vehicles. Fuels and oils degrade other organic materials at expedient rates. EPDM and silicone offer little resistance to fuels and oils and start to swell or crack in very short periods of time. Viton vacuum hoses provide that extra level of security due to its amazing

fluid resistance. Furthermore the excellent high temperature resistance of Viton also makes this wonder material a good choice when the application will be installed in a location where excessive heat will be seen.

We are so confident in our Viton vacuum hoses, we offer a lifetime replacement, limited warranty against swelling and cracking due to fuel or oil contact.

VVH (Viton Vacuum Hose) is available by the foot in several different ID's, or you can purchase one of our Viton Vacuum Hose kits at increased savings!

Available in flat black only.

## Key Features

- Outstanding Fuel and Oil resistance
- High temperature resistant
- Made from genuine Dupont Viton
- Resist collapse and kinks
- Lifetime warranty!

ID's	Part Number	Retail
3.5MM (.138")	VVH35	\$4.33/ft
4.0MM (.157")	VVH40	\$4.65/ft
6.0MM (.236")	VVH60	\$6.00/ft
8.0MM (.315")	VVH80	\$8.50/ft



*Viton is a registered trademark of DuPont*



**The silicone hose preferred by those who know the difference!**

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# Stainless Steel T-bolt Clamps

Our Custom Stainless Steel T-bolt clamps have been designed for today's high performance vehicle in mind. T-bolt clamps offer the protection against "blow-off" without damaging the hose. High Temp Silicone T-bolt clamps provide higher tensile strength, durability and corrosion resistance over typical worm gear clamps. When Installed side by side with worm gear clamps, our T-bolt clamps provide twice the band tension with the same amount of installation torque!



HTS Stainless Steel T-bolts have been manufactured out of 300 series stainless steel to provide a worry free installation. Furthermore, our T-Bolts are custom sized for a professionally looking installation without a long "tail" sticking out of the bolt.

**Applications:** Medium to Heavy duty, high-pressure turbochargers, intercooler, and cooling systems.

Hose ID	Part Number	Clamp Range	Retail
1.00" / 25.4MM	941U3-136	1.250" - 1.500"	\$3.50/ea
1.50" / 38.1MM	941U3-176	1.630" - 1.880"	\$3.50/ea
1.75" / 44.5MM	941U3-201	1.880" - 2.130"	\$3.50/ea
2.00" / 50.8MM	941U3-238	2.190" - 2.500"	\$3.50/ea
2.25" / 57.2MM	941U3-262	2.430" - 2.740"	\$3.50/ea
2.38" / 57.2MM	941U3-272	2.560" - 2.870"	\$3.50/ea
2.50" / 63.5MM	941U3-288	2.660" - 2.970"	\$3.50/ea
2.75" / 69.9MM	941U3-312	2.900" - 3.210"	\$3.50/ea
3.00" / 76.2MM	941U3-335	3.130" - 3.440"	\$3.50/ea
3.25" / 82.6MM	941U3-360	3.380" - 3.690"	\$3.50/ea
3.50" / 88.9MM	941U3-385	3.630" - 3.940"	\$3.50/ea
3.63" / 92.2MM	941U3-410	3.880" - 4.190"	\$3.50/ea
4.00" / 101.6MM	941U3-435	4.130" - 4.440"	\$3.50/ea
4.50" / 114.3MM	941U3-485	4.630" - 4.940"	\$3.50/ea

## Key Features

- 300 Series Stainless Construction
- Custom sized to minimize bolt protrusion
- Excellent for use up to 40PSI boost
- Worry-free installation.
- Lifetime warranty!



*The silicone hose preferred by those who know the difference!*

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# Stainless Steel Constant Torque Clamps

A revolutionary clamp that reacts to changes in hose system by actually increasing or decreasing its own diameter as the system expands or contracts. The Constant torque clamp is the answer for any system that is experiencing blow offs and leakage.

Our Constant Torque clamps are an "active" clamp, which can monitor and then compensates for the temperature changes by actually changing diameter through a unique worm-gear Belleville assembly.

## Key Features

- Auto-Adjusting
- Prevents Blow-Offs
- Excellent for use up to 90PSI boost
- Worry-free installation.
- Lifetime warranty!

Additionally, our liner clamps are available with .625" wide band to spread the sealing pressure over the widest possible area. They come in 100% stainless steel, which is important because silicone hose has a service life up to 10 years or more.

These clamps are torque rated from 90-125 in/lbs. Please note that this is only to be used a guideline. CT clamps have enough torque to actually deform aluminum piping if clamped to tightly.



**Applications:** Heavy duty high pressure forced induction applications where high boost pressures are common.

Hose ID	Part Number	Clamp Range	Retail
1.00" - 1.75"	SCT200L	1.250" - 2.125"	\$8.00/ea
2.00" - 2.38"	SCT250L	1.750" - 2.625"	\$8.00/ea
2.25" - 2.75"	SCT300L	2.250" - 3.125"	\$8.00/ea
3.00" - 3.25"	SCT350L	2.750" - 3.625"	\$8.00/ea
3.50" - 3.75"	SCT400L	3.250" - 4.125"	\$8.00/ea
4.00" - 4.50"	SCT450L	3.750" - 4.625"	\$8.00/ea



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# Stainless Steel Silicone Liner Clamps



Although silicone is the ideal material to use for your intercooler, intake and turbo application, there are four important things you need to remember about silicone hose. It is soft, hard to seal, expensive and durable when combined with the proper clamp. Our silicone liner clamps were developed to offset the first three and to compliment the durability.

To protect silicone hose from extrusion and shear, an inner liner is used to cover the worm-gear slots. These inner liners are integral extensions of the band, not separate welded or riveted extensions that won't lie true to the clamping axis. There are no bumps under the housing to jeopardize the concentricity of the seal, and no laminated coverings to

disintegrate under heat, ultraviolet, chemical or corrosive attacks.

Additionally, our liner clamps are available with .500" wide band to spread the sealing pressure over the widest possible area. They come in 100% stainless steel, which is important because silicone hose has a service life up to 10 years or more.

**Applications:** Low to Medium duty, medium pressure intakes, intercoolers and radiator hoses.

Hose ID	Part Number	Clamp Range	Retail
.625" - 1.00"	SLC9412	.687" - 1.250"	\$1.95/ea
1.75" - 2.25"	SLC9436	1.813" - 2.750"	\$1.95/ea
2.25" - 2.50"	SLC9440	2.062" - 3.000"	\$1.95/ea
2.75"	SLC9444	2.312" - 3.250"	\$1.95/ea
3.00"	SLC9448	2.562" - 3.500"	\$1.95/ea
3.25"	SLC9460	3.312" - 4.250"	\$1.95/ea
3.50" - 4.00"	SLC9464	3.562" - 4.500"	\$1.95/ea

## Key Features

- Protective Liner
- 100% Stainless Steel Construction
- Excellent choice for Air intakes
- Prevents Damage to hose
- Lifetime warranty!

Protects your  
Silicone Hoses!



*The silicone hose preferred by those who know the difference!*

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# Frequently Asked Questions

## **1. What is the difference between Aramid and polyester fabric?**

Aramid fabric is a unique high temperature resistant material that performs well under heat. This material has been used for decades in firefighter turn out gear and racing suits and is more commonly known by trade names such as Nomex or Konex. Aramid has a maximum sustained temperature range of 500°F and remains flexible in sub-zero temperatures. We utilize 4 plies of Aramid fabric reinforcing layers on all of our High Performance Series of silicone hose for direct turbo installations.

Polyester is probably the most common reinforcing material for silicone hoses. Polyester reinforced hoses are suitable for intakes, intercooler plumbing, and coolant hoses. Polyester reinforced hoses have a continuous temperature range from -65°F to 350°F.

Summarily, we suggest that you use a 4 ply aramid coupler or reducer for direct turbo/supercharger installations and all other plumbing connections can be made from our polyester reinforced hoses. This allows our customers the security of knowing that they have the right type of coupler mounted to the turbo and provide a more cost effective package by utilizing the polyester reinforced hoses downstream.

## **2. How does your Aramid reinforced hose stand up to fiberglass reinforced hose?**

With a maximum temperature range only 50°F more than aramid reinforced silicone hoses, we have found that using fiberglass as a reinforcement doesn't make sense. Fiberglass is brittle, and not very flexible by nature. Additionally in sub-zero climates fiberglass hoses can become stiff and split if subjected to engine movement.

Let's look at the heavy truck industry as an example. These trucks have been engineered to work 24 hours a day in all climates from the deserts of the Southwest, to the frigid Canadian winters. 99% of these trucks utilize multi-layer Aramid fabric reinforcement on the hot side and multi-layer polyester reinforced hoses on the cold side of their turbo systems.

## **3. Does the amount of reinforcing layers really matter?**

We manufacture our hose to the SAE J20 R1 specification. If the Society of Automotive Engineers (SAE) didn't think it mattered, then we would not have a specification to follow. These engineers have determined what normal operating pressures and burst pressure should be for each size of hose. Furthermore the specification calls out the number of plies and the hose wall thickness required to be approved. Within the specification there are requirements for 3 and 4 ply hose, however nowhere in the specification does it say that a 1 or 2 ply hose is acceptable.

## **4. I have heard that 4 ply is hard to cut, is this true?**

4 Ply reinforced hoses are no different to cut than 2 or 3 ply hoses. Silicone is inherently weak in its raw form. We use reinforcing layers to help produce a stronger hose. If you are purchasing long lengths of hose and need to cut them down to length upon installation, you will need the following: A Liner clamp properly sized for the hose you intend to cut, tape measure, and a fresh razor blade utility knife (we suggest that you find the type of knife that utilizes the trapezoidal blades that are double sided).

Follow these simple steps for a safe, clean and straight cut. Align the clamp on the hose about where you would like to cut the hose. Place the tape measure on one end of the hose and get your clamp straight and perpendicular to the centerline of the hose. Make sure that the clamp band is the same distance from the end of the hose by using your tape measure and then tighten the clamp on the hose. Insert the point of the blade through the outer wall of the hose using the clamp as a guide. Once you have penetrated through the wall of the hose, slide the blade along the edge of the clamp until you have reached the back side of the clamping block. Unscrew the clamp and finish the cut free-hand for about 1/2 inch.

# Frequently Asked Questions

## **5. I have heard that using different colors on the inside of the hose and the outside of the hose is a sign of a poor constructed hose, is this true?**

This is actually a myth. The inside of the hose is called the “liner” and the outside of the hose is called the “cover” or “jacket”. Some manufactures utilize a 2 part manufacturing process where the liner is first extruded through a die to the correct size and partially cured to hold its shape during the final steps. The liner is then slid over a mandrel and the individual layers are then hand wrapped on top of the liner.

Since silicone is one of the easiest polymers to color, some manufactures starting using different colors to be able to visually differentiate their products from other manufactures. One company may utilize a flame red liner whereas another company may utilize an iron oxide (orange) liner. The 2 different colors used in making silicone hose are more of a fashion statement more so than a functional characteristic.

We utilize the one color design in our hoses for the looks and ease of purchasing raw materials. The liner is manufactured using the same raw silicone as the cover and reinforcing layers therefore we only have to purchase 1 color in bulk rather than 2.

## **6. I have heard of other companies making 1000°F resistant silicone hose, do you offer these too?**

If anybody tells you they have a 1000°F resistant silicone hose, I would politely thank them for their time and take my business elsewhere. The main silicone manufacturing companies will all give you the same information; there is NO SILICONE COMPOUND THAT CAN WITHSTAND 1000°F. When working with the FAA several years ago, we remember a test where a specific product had to be subjected to a 2000°F flame for 2 minutes without backside ignition or flame penetration. The test was a success and there was no penetration or backside ignition. However, the silicone seal was CONSUMED in the test as the ceramic fabric maintained the seals integrity. The front side of the silicone seal had actually turned into white ash by the time the 2 minutes had elapsed, yet the backside looked just as fresh as when the test started.

Does this mean we have a 2000°F resistant silicone? NO

## **7. Does a longer transition/reducer have a higher flow rating?**

The length of the hose does not control the flow characteristics. We too have read about several companies stating that their 4” or 5” long reducers flow better than a 3” long reducer. In order to prove this we need to know the anatomy of a reducer. The flat section on the reducer where the clamps are positioned is called the cuff. If we made each cuff 5” long and made the reducers over all length 12” would this flow better? NO! Turbulence can be caused by the angle at which the transition from one size to the other is made.

## **8. What size T-bolts do I need?**

Our T-bolt clamps have been custom made for our hoses. We have taken the guess work away and made it an easy decision. If you have 2.50” outside diameter pipes you will need to use a 2.50” coupler, which uses a 2.50” t-Bolt clamp. We have sized our T-bolts to provide a minimum amount of “tail” on the bolt for the cleanest look on your installation.

If you are not using our hoses there is a simple math calculation to decide which T-bolt best suits your application. Take the ID of the hose (should be the same as the outside diameter of your pipe) and add 2 times the wall thickness to get the OD of the hose. Look at our clamp selection and find the clamp with a range that your hose OD fits in.

# Frequently Asked Questions

## **9. What is the difference between your platinum catalyzed silicone vacuum hose and the silicone hose purchased at the corner auto-parts store?**

When silicone is in its raw state it is known to be "uncured". At this stage it is pretty much the consistency of Jell-O. In order for the silicone to take a shape it must be cured with a catalyst. The catalyst can be one of several different chemicals, but the two most commonly used are dichlorobenzoyl peroxide and platinum. The majority of the silicone hose you have seen for sale at the corner auto parts store is made with a peroxide curing system. Most manufactures use this system for a couple of different reasons. The first of which is that it is much cheaper to produce. On average a peroxide system will cost about 40-50% less per pound than platinum. The second reason has to do with the manufacturing aspect of the silicone itself. Peroxide silicone has a mixed shelf life up to about 6 months, whereas a platinum silicone must be put into production within hours of mixing. This very short shelf life, accompanied with the higher cost of the silicone, can create a large amount of scrapped raw materials. Therefore it is much easier for manufactures to make peroxide silicones.

Now here is where it is a benefit to you. Platinum silicones are far superior in physical properties over a peroxide system. In some cases you may see increases of up to 60% in tensile, elongation, and tear strength. Platinum silicones are less prone to kink or collapse. Because of the tighter cure, they always want to return to the original shape it was cured in (straight). That means when you want to run a vacuum line with a tight bend or corner to turn, you wont have to worry about HTS Platinum Silicone Vacuum Hose collapsing on you. They are brilliantly colored, remain shiny and are easy to clean with alcohol.

## **10. Can your silicone vacuum hose be used in a fuel/oil environment?**

Silicone has very poor resistance to fuel and oils. Silicone hoses should never be used as oil drain lines or fuel lines. Over time the silicone will swell and the physical properties will diminish to the point where the hose will fail. On certain vehicles like the Mazda RX7 there are a lot of aromatic hydrocarbons flowing through the vacuum lines. We have seen evidence of oil contamination in these lines where the silicone has actually swelled to the point where the hoses crumble. To offset this problem we have designed a full line of Viton Vacuum Hoses. If you think you are having a problem with oil contaminated vacuum line you should look into replacing these hoses with some of our Viton hoses.

## **11. Can Viton be used as oil return or fuel lines?**

Viton was made to survive torturous environments in constant contact or submersed in hydrocarbon oils and fuels. Viton has the best resistance to oil and fuel our of all of the polymers available. This is basically a "plug and play" material in the rubber industry. If you need a material that will be in contact with any fuel or oil this would be the first choice.

## **12. Can you put our logo on the hose?**

Yes we do custom branding. There is a one time setup fee and there will be a minimum run required per product line. Please contact our sales department for more information.

# 3 ply polyester specification Sheet

**Typical Temperature Range, °F** -65 to +350

## Original Properties

Durometer 55 to 75  
Tensile, min, psi 800  
Elongation, min, % 200

## Oven aging conditions and

Change limits, Hours/°F 70/350  
Durometer, points Shore A +10  
Tensile, max % -15  
Elongation, max % -40

## Oil Immersion Change Limits

ASTM No. 3 Oil or IRM 903

(IRM 903 is being phased in  
to replace ASTM No. 3)

Hours/°F 70/212  
Volume, max % 0 to -45  
Tensile, max % -40

## Coolant Immersion

(Tube only)

Hours/at boiling point 70  
Volume, % 0 to +40  
Durometer, points Shore A -10 to +10  
Tensile, max % -30

## Compression Set °F

257

70h, max, % 40

## Low Temperature

Flexibility (°F) -40



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# 4 ply Aramid specification Sheet

**Typical Temperature Range, °F** -65 to +500

## Original Properties

Durometer 55 to 75  
Tensile, min, psi 800  
Elongation, min, % 200

## Oven aging conditions and

Change limits, Hours/°F 70/350  
Durometer, points Shore A +10  
Tensile, max % -15  
Elongation, max % -40

## Oil Immersion Change Limits

ASTM No. 3 Oil or IRM 903

(IRM 903 is being phased in  
to replace ASTM No. 3)

Hours/°F 70/212  
Volume, max % 0 to -45  
Tensile, max % -40

## Coolant Immersion

(Tube only)

Hours/at boiling point 70  
Volume, % 0 to +40  
Durometer, points Shore A -10 to +10  
Tensile, max % -30

**Compression Set °F** 257

**70h, max, %** 40

## Low Temperature

Flexibility (°F) -40



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# Tolerances and burst pressure ratings

## Hose Length Tolerances

Length	Tolerance
0.00" to 11.81"	-.125" to +.382"
11.82" and above	-1% to +3%

## Hose Inside Diameter Tolerances

Inside Diameters	Tolerance
All ID's	± .031"

## Burst Pressure Ratings

3 Ply Polyester		4 Ply Aramid	
Hose	Min Burst	Hose	Min Burst
1.00"	300Psi	1.00"	400Psi
1.50"	250Psi	1.50"	325Psi
1.75"	225Psi	1.75"	300Psi
2.00"	200Psi	2.00"	275Psi
2.25"	175Psi	2.25"	250Psi
2.38"	175Psi	2.38"	250Psi
2.50"	175Psi	2.50"	250Psi
2.75"	125Psi	2.75"	175Psi
3.00"	100Psi	3.00"	150Psi
3.25"	90Psi	3.25"	125Psi
3.50"	90Psi	3.50"	125Psi
3.75"	75Psi	3.75"	100Psi
4.00"	75Psi	4.00"	100Psi
4.50"	50Psi	4.50"	75Psi



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# Terms and Conditions

**PAYMENT:** HighTempSilicone may require full or partial payment in advance at any time if in its sole judgment, the financial condition of the buyer does not justify the terms of payment specified herein. A late charge of 1 1/2 percent (1 1/2%) per month (or at the highest rate permitted by law) shall be payable on all overdue accounts. Orders will not be processed until payment terms are approved by our credit department. In general new accounts are usually set up as CIA or COD for the first few orders. We will work with you to establish a NET 30 account if needed after the first few orders. HighTempSilicone accepts Visa, MasterCard, Discover or payment made Via Paypal. **All domestic Paypal payment in excess of \$500 are subject to a 2.5% surcharge, International Paypal payments are subject to a 5% surcharge.**

**DELIVERY:** Unless otherwise specified herein, all products are quoted FOB Hesperia, CA.

**WARRANTIES AND DISCLAIMERS:** All products furnished shall conform to the description herein. All products are warranted to be free from defects in material and workmanship at the time of shipment. Our reinforced silicone hoses carry a lifetime warranty against bursting, tearing, cracking or splitting. This warranty is limited only to the replacement of HighTempSilicone products, item for item, which after examination by HighTempSilicone are deemed defective. HighTempSilicone specifically disclaims any other liability

**RETURNS/EXCHANGES:** No products shall be returned without prior authorization from HighTempSilicone. Requests for returns shall be submitted in writing no more than 15 days after receipt of shipment. Each request for exchange or return shall describe the condition of the products and the reason for the requested return or exchange. If HighTempSilicone accepts your return, a RA # will be provided. This number **MUST** be present on the outside of the returned package or it will not be accepted. All return transportation fees are the responsibility of the buyer. A 15% restocking fee may be applied.

**QUANTITY VARIANCE:** On orders in excess of 100 products, the quantity of products delivered may be within 10% more or less of the quantity specified (20% on custom made-to-order products) and shall be charged at the unit price herein.

**CANCELLATION:** Requests for cancellation or modification of orders must be submitted in writing and received by HighTempSilicone at least 1 week prior to shipment. Any cancellation or modification will be effective only when acknowledged by HighTempSilicone in writing. Orders for custom products, including but not limited to anything not presented herein, cannot be cancelled without written approval from HighTempSilicone. The buyer is responsible for payment on any custom tooling that may have been created, in whole or in part, to create a specific custom product per the buyers requirements.

**LIMITATION OF LIABILITY:** HighTempSilicone shall not be liable in contract, in tort (including negligence), or otherwise for damage or loss of property, loss of profits or revenue, loss of property or equipment, claims of customers of the buyer, or for any special, indirect, incidental, or consequential damages whatsoever. Under no circumstances shall HighTempSilicone's liability exceed the purchase price of the goods in respect of which damages are claimed.

**ENTIRE AGREEMENT:** This agreement constitutes the complete and final agreement of sale and purchase of the goods specified herein and supersedes all prior contracts and discussion. No modification hereof shall be effected by the use of a purchase order, acknowledgement, acceptance, or other forms at variance with or in addition to the terms and conditions contained herein. No modification shall be effected in any manner other than in writing and signed by the party claimed to be bound thereby.



*The silicone hose preferred by those who know the difference!*

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