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## BENEFITS AND APPLICATIONS OF SILICONE RUBBER

### 硅胶的优点和应用

- Why would you design or produce a part made of silicone rubber when so many other elastomers are available? A primary reason is reliability--the ability to perform not only under normal conditions, but also in the severe extremes of industry, environment, temperature, and voltage. Silicone rubber components have a useful life that is far superior under conditions that would cause the deterioration of many parts made of typical organic materials.
- 既然有其他多种弹性材料可用, 为什么还要设计或生产硅胶制成的零件? 主要原因是它的可靠性... 不仅在正常条件下, 而且在极端恶劣的工业、环境、温度和电压条件下也能表现良好。在同样可能导致零件劣化的条件下, 硅胶制成的零件的使用寿命明显优于其他典型有机材料制成的零件。
- 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.
- 硅胶具有卓越的抗极端温度能力。在一定条件下, 高达500 °F ( 316 °C ) 或低至-65 °F ( -54 °C ) 的温度也不会破坏其物理和电学性能。硅胶的拉伸强度、延伸率和撕裂强度远高于其他各种有机橡胶, 且在温度升高和降低时的收缩变形更小。在温度低至-65 °F ( -54 °C ) 时仍能保持其弹性, 而其他弹性材料制成的零件在掉落地面时会碎裂。
- Silicone rubber, a good non-conductive insulating material, can be compounded with proper additives to produce a wide range of electrical insulating properties. Electrical failure occurs when the environment destroys the physical properties of the elastomer. However, silicone rubber with its excellent resistance to severe environmental conditions provides constant electrical insulation properties much longer than other elastomeric materials. The dielectric breakdown is between 400 and 700 volts/mil depending on the compound.
- 硅胶是良好的非导电绝缘材料, 可与适当的添加剂混合, 以产生广泛的电绝缘性能。当环境破坏弹性材料的物理性质时, 会发生电性失效。然而对于恶劣环境条件耐受极佳的硅胶, 其电绝缘性能比其他弹性材料更持久。对于不同的化合物, 其电介击穿在400至700伏特/密耳之间。
- Silicone rubber is superior to other elastomers in its resistance to compression set (deformation). It shows a marked superiority at both high and low temperatures. This is particularly important when a silicone rubber part is used as a diaphragm, impact absorber, bellows, or in other applications where the component is placed under pressure or is flexed.
- 硅胶在抗收缩(变形)方面优于其他弹性材料。在高温和低温下都表现出明显的优越性。当使用硅胶部件作为隔膜、缓冲器、波纹管, 或在其它应用中部件需受压或弯曲时, 这点尤其重要。



## BENEFITS AND APPLICATIONS OF SILICONE RUBBER

### 硅胶的优点和应用

- Silicone rubber is odorless and tasteless. It is very stable and does not contain sulfur or other acid producing chemicals that generate out-gassing. It also does not cause staining, corrosion or deterioration of other materials. Silicone rubber will not support the growth of fungus, mold or bacteria.
- 硅胶无臭无味，非常稳定，不含硫或其他产生挥发的产酸化学品。也不会对其他材料造成污染、腐蚀或劣化。硅胶也不会促进真菌、霉菌或细菌的生长。
- Silicone rubber has excellent resistance to many chemicals and fluids commonly encountered in service. Its resistance to chemicals is particularly useful at temperatures which prevent the use of other materials. Silicone rubber also has excellent resistance to chemicals normally found in the soil. Fluorosilicone with its unique properties provides resistance to many fuels, oils, and solvents, including gasoline. Examples of some of the chemicals that silicone rubber is resistant to are:
- 硅胶对使用中常见的许多化学品和液体都具有优异的耐受性。在一定温度条件下，没法使用其他材料，此时硅胶的化学品耐受性能显得特别有用。硅胶对土壤中通常发现的化学品也具有极好的耐受性能。具有独特性质的氟硅胶对包括汽油在内的多种燃料、油料和溶剂都有耐受性。硅胶耐受的部分化学品包括：
- IRM901 \* Heavy Water \* Ethylene Glycol (anti-freeze) \* Sodium Hydroxide, 3 mole \* Natural Gas \* Vegetable Oil  
IRM901 \* 重水 \* 乙二醇 (防冻剂) \* 氢氧化钠, 3摩尔 \* 天然气 \* 植物油
- Extensive weathering tests have shown that silicone rubber substantially resists the deteriorating effects of sunlight, ozone, rain water, and atmospheric gases which cause weathering. Even very dry conditions coupled with harsh sunlight will not dry out or have a negative effect on silicone rubber.
- 广泛的耐气候性试验表明，硅胶基本能抵抗日晒、臭氧、雨水和导致风化的大气气体的恶化影响。即使非常干燥的条件加上严酷的日晒也不会导致硅胶干透或对其产生不良影响。
- 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.
- 硅胶因其防水性而闻名。其吸水率极低，即使经过长时间的浸渍其机械性能的变化也极小。在4350英尺深度的海底暴露四年后，与搁置老化的样品相比，其外观或性能几乎没有变化。在较低或中等压力下，硅胶几乎不会受到蒸汽的影响。
- 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.
- 在某种程度上，硅本身就是一种阻燃剂，大多数配方都通过了UL 94 HB。特殊配方的化合物已被批准用于需要阻燃材料并且必须符合UL 94V-0等级的场合。

## FLEXFAB SILICONE PRODUCTS: 弗莱克斯菲柏硅胶制品

- The uniqueness of silicone rubber provides its users with mechanical, thermal, electrical, and chemical attributes not found in other elastomers. Resistant to hostile environments and damaging elements; strong yet flexible; long service life; the key ingredients in setting silicone rubber products above the rest.
- 硅胶的独特性为其用户提供了其他弹性体所没有的机械、热、电和化学特性。对恶劣环境和有害元素的抵抗；坚固且富弹性；使用寿命长，是硅胶制品的关键成分。
- From flexible hose, duct and sleeves to high temperature gaskets, electric heat tapes, conveyor belting, etc...Silicone rubber products and fabricating have proven to provide above average protection from potentially harmful elements.
- 从软管、导管和直管到高温垫圈、电热带、输送带等，已经证明硅胶制品对于潜在有害元素防护方面高于其他材料。

## SNAPSHOT: FEATURES AND BENEFITS 概述：特点和优点

- Resistant to a wide range of temperatures
- 温度耐受范围广
- Resistant to hardening, cracking, ozone attack, sunlight
- 耐硬化、开裂、臭氧侵蚀、日晒
- Resistant to moisture, steam, dust, aging, various pressure ranges
- 耐潮湿、蒸汽、灰尘、老化，耐压范围广
- Resistant to many chemicals
- 耐受多种化学品
- Retains flexibility in hostile engine environments
- 在恶劣的发动机环境中仍能保持弹性
- Excellent electrical insulating properties
- 优异的电绝缘性能
- Longer life than EPDM (Black Rubber)
- 寿命比EPDM（黑色橡胶）更长



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

### 5515和5500系列：3层冷却液软管

Available in a Blue or Green Cover

Stocked in 3' Lengths

12' Lengths Also Available (Please Call For Availability)

有蓝色或绿色供选择

长度为3英尺

也可提供12英尺长度的（请致电了解）



Part Number Reference:

零件号参考:

FLX5515-300 (3 Foot Stick)

FLX5515-300 (3英尺长直管)

FLX5515-300x12 (12 Foot Stick)

FLX5515-300x12 (12英尺长直管)

#### Construction:

- Silicone hose with 3-ply 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

#### 结构：

- 3层涤纶增强的硅胶软管

#### 规格：

- 达到或超过SAE J20 R1 Class A的操作要求
- 达到或超过TMC RP303B Class I Grade II 的操作要求
- 温度范围为-65 °F ( -54 °C ) 至+350 °F ( +177 °C )
- 定制壁厚为0.140英寸/0.190英寸
- 工作压力是爆破压力的1/3

#### 应用：

- 在恶劣的发动机环境中作为重型压力连接管
- 抗硬化，开裂，老化和各种化学物质，防止冷却液渗漏
- 在极端温度和各种压力范围内对性能有较高要求的理想选择

# 5515 AND 5500 SERIES: 3-PLY COOLANT HOSE

## 5515和5500系列：3层冷却液软管

Blue Series	Green Series	Inside Diameter		Outside Diameter		Actual Burst Pressure- PSI	Burst Pressure - PSI		Weight	Clamp 夹具
蓝色系列	绿色系列	内径		外径		实际爆破压力- PSI	SAE J20 R1 TMC		重量	
Part Number	Part Number	Inch	MM	Inch	MM		爆破压力-PSI		(LB/FT)	
零件号	零件号	英寸	毫米	英寸	毫米	SAE J20 R1 TMC		(磅/英尺)		
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	455	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



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

\*规格仅供参考。可根据要求提供具体测试数据。



## 5581 AND 5501 SERIES: 4-PLY COOLANT HOSE

### 5581和5501系列：4层冷却液软管

Available in a Blue or Green Cover

Stocked in 3' Lengths

12' Lengths Also Available (Please Call For Availability)

有蓝色或绿色供选择

长度为3英尺

也可提供12英尺长度的（请致电了解）



Part Number Reference:

零件号参考

FLX5581-300 (3 Foot Stick)

FLX5581-300 (3英尺长直管)

FLX5581-300x12 (12 Foot Stick)

FLX5581-300x12 (12英尺长直管)

#### Construction:

- Silicone hose with 4-ply 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

#### 结构：

- 4层涤纶增强的硅胶软管

#### 规格：

- 达到或超过SAE J20 R1 Class A的操作要求
- 达到或超过TMC RP303B Class I Grade II的操作要求
- 温度范围为-65 °F ( -54 °C ) 至+350 °F ( +177 °C )
- 标准壁厚为0.170英寸/0.220英寸
- 工作压力是爆破压力的1/3

#### 应用：

- 在恶劣的发动机环境中作为重型压力连接管
- 抗硬化，开裂，老化和各种化学物质，防止冷却液渗漏
- 在极端温度和各种压力范围内对性能有较高要求的理想选择



# 5581 AND 5501 SERIES: 4-PLY COOLANT HOSE

## 5581和5501系列：4层冷却液软管

Blue Series	Green Series	Inside Diameter		Outside Diameter		Actual Burst Pressure - PSI	Burst Pressure - PSI		Weight	Clamp 夹具
蓝色系列	绿色系列	内径		外径		实际爆破压力- PSI	爆破压力-PSI		重量	
Part Number	Part Number	Inch	MM	Inch	MM		SAE J20 R1	TMC	(LB/FT)	
零件号	零件号	英寸	毫米	英寸	毫米	SAE J20 R1	TMC	(磅/英尺)		
5581-038	5501-038	0.38	10	0.77	20	600	425	125	0.16	2582-0006
5581-050	5501-050	0.50	13	0.89	23	600	425	125	0.20	2582-0008
5581-062	5501-062	0.63	16	1.02	26	585	425	125	0.24	2582-0010
5581-075	5501-075	0.75	19	1.14	29	575	325	125	0.29	2582-0012
5581-087	5501-087	0.88	22	1.27	32	560	300	125	0.34	2582-0016
5581-100	5501-100	1.00	25	1.39	35	550	300	125	0.39	2582-0016 or 2584-0175
5581-112	5501-112	1.13	29	1.52	39	525	300	125	0.44	2582-0020 or 2584-0175
5581-125	5501-125	1.25	32	1.64	42	500	275	125	0.49	2582-0020 or 2584-0212
5581-138	5501-138	1.38	35	1.77	45	475	250	125	0.54	2582-0024 or 2584-0212
5581-150	5501-150	1.50	38	1.89	48	450	250	125	0.59	2582-0024 or 2584-0212
5581-162	5501-162	1.63	41	2.02	51	425	225	125	0.63	2582-0028 or 2584-0262
5581-175	5501-175	1.75	44	2.14	54	400	225	125	0.68	2582-0032 or 2584-0262
5581-187	5501-187	1.88	48	2.27	58	400	200	100	0.73	2582-0032 or 2584-0262
5581-200	5501-200	2.00	51	2.39	61	400	200	100	0.78	2582-0032 or 2584-0262
5581-212	5501-212	2.13	54	2.52	64	375	175	100	0.83	2582-0036 or 2584-0312
5581-225	5501-225	2.25	57	2.64	67	350	175	100	0.88	2582-0040 or 2584-0312
5581-238	5501-238	2.38	60	2.77	70	325	150	100	0.93	2582-0040 or 2584-0312
5581-250	5501-250	2.50	64	2.89	73	300	150	100	0.98	2582-0040 or 2584-0312
5581-262	5501-262	2.63	67	3.02	77	285	125	100	1.02	2582-0044 or 2584-0362
5581-275	5501-275	2.75	70	3.14	80	275	125	100	1.07	2582-0044 or 2584-0362
5581-287	5501-287	2.88	73	3.27	83	250	100	100	1.12	2582-0048 or 2584-0362
5581-300	5501-300	3.00	76	3.39	86	250	100	100	1.17	2582-0048 or 2584-0362
5581-312	5501-312	3.13	80	3.52	89	225	75	100	1.22	2582-0052 or 2584-0412
5581-325	5501-325	3.25	83	3.64	92	225	75	100	1.27	2582-0052 or 2584-0412
5581-338	5501-338	3.38	86	3.77	96	200	75	100	1.32	2582-0056 or 2584-0412
5581-350	5501-350	3.50	89	3.89	99	200	75	100	1.37	2582-0060 or 2584-0412
5581-375	5501-375	3.75	95	4.14	105	175	50	100	1.46	2582-0060 or 2584-0462
5581-400	5501-400	4.00	102	4.39	112	150	50	100	1.56	2582-0064 or 2584-0462
5581-450	5501-450	4.50	114	4.89	124	150	N/A	N/A	1.76	2582-0072 or 2584-0512
5581-500	5501-500	5.00	127	5.39	137	125	N/A	N/A	1.95	2584-0562
5581-550	5501-550	5.50	140	5.89	150	100	N/A	N/A	2.16	2584-0612
5581-600	5501-600	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.

\*规格仅供参考。可根据要求提供具体测试数据。



## 5415 SERIES: 3-PLY GLOSSY COOLANT HOSE

### 5415系列：3层光面冷却液软管

Only Available in a Blue Cover  
Stocked in 3' Lengths

仅有蓝色供选择  
长度为3英尺



#### Construction:

- Silicone hose with 3-ply 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

#### 结构：

- 3层涤纶增强的硅胶软管

#### 规格：

- 达到或超过SAE J20 R1 Class A的操作要求
- 达到或超过TMC RP303B Class I Grade II的操作要求
- 温度范围为-65 °F ( -54 °C ) 至+350 °F ( +177 °C )
- 定制壁厚为0.140英寸/0.190英寸
- 工作压力是爆破压力的1/3

#### 应用：

- 在恶劣的发动机环境中作为重型压力连接管
- 抗硬化，开裂，老化和各种化学物质，防止冷却液渗漏
- 在极端温度和各种压力范围内对性能有较高要求的理想选择

# 5415 SERIES: 3-PLY GLOSSY COOLANT HOSE

## 5415系列：3层光面冷却液软管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Actual Burst Pressure- PSI 实际爆破压力- PSI	Burst Pressure- PSI SAE J20 R1 TMC 爆破压力- PSI SAE J20 R1 TMC			Weight 重量 (LB/FT) (磅/英尺)	Clamp 夹具
	Inch	MM	Inch	MM		SAE J20 R1	TMC			
	英寸	毫米	英寸	毫米						
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.

\*规格仅供参考。可根据要求提供具体测试数据。



## 5508 SERIES: WIRE REINFORCED COOLANT HOSE

### 5508系列：钢丝补强冷却液软管

Green Cover, 2-Ply Polyester Reinforced Hose with Helical Wire  
 Stocked in 3' Lengths  
 12' Lengths Also Available (Please Call For Availability)

有绿色供选择，带螺旋线的2层涤纶增强软管  
 长度为3英尺  
 也可提供12英尺长度的（请致电了解）



#### 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

#### 结构：

- 2层聚酯增强的硅胶软管，带螺旋线

#### 规格：

- 达到或超过SAE J20 R2 Class A的操作要求
- 温度范围为-65 °F (-54 °C) 至+350 °F (+177 °C)
- 软管末端不包括线规的壁厚为0.130/0.180英寸
- 工作压力是破裂压力的1/3
- 负压为-10 PSI

#### 应用：

- 在恶劣的发动机环境中作为重型压力连接管
- 抗硬化，开裂，老化和各种化学物质，防止冷却液渗漏
- 适用于高真空或高曲度要求下
- 在极端温度和各种压力范围内对性能有较高要求的理想选择

## 5508 SERIES: WIRE REINFORCED COOLANT HOSE

### 5508 系列：钢丝补强冷却液软管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Burst Pressure PSI 破裂压力 - PSI	Max Neg PSI 最大负压 - PSI	Bend Radius (Inch) 弯曲半径 (英寸)	Weight (LB/FT) 重量 (磅/英尺)
	Inch	MM	Inch	MM				
	英寸	毫米	英寸	毫米				
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.  
\*规格仅供参考。可根据要求提供具体测试数据。

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

弗莱克斯菲柏的钢丝增强冷却液软管  
专门为高真空或高曲度要求而设计。



## 5001 SERIES: HEATER HOSE REPAIR KITS

### 5001 系列：加热器软管维修组件

Part Number 零件号	Connector and Clamp Provided in Kit 组件提供的连接器和夹具	Outside Diameter 外径		Bead Height (AS5131) 珠高度 (AS5131)	Overall Length Inches 总长度 (英寸)	Use With 配合使用
		Inch	MM			
		英寸	毫米			
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.  
\*规格仅供参考

# Flexfab®

## 5526 SERIES: STANDARD HEATER HOSE 5526 系列：标准加热器软管

Blue Cover, with Nylon Fiber Reinforcement

Stocked in 25' and 50' Boxes

Available in longer lengths on standard wooden spools

有蓝色供选择，尼龙布增强

长度有 25 英尺和 50 英尺供选择，用纸盒包装

也可提供更长的长度，用标准木轴包装



### 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

### 结构：

- 单层尼龙布增强的硅胶软管

### 规格：

- 达到或超过 SAE J20 R3 Class A 的操作要求
- 达到或超过 TMC RP303B Class I Grade II 的操作要求
- 温度范围为 -65 °F ( -54 °C ) 至 +350 °F ( +177 °C )
- 标准壁厚为 0.140 英寸/0.170 英寸
- 工作压力是爆破压力的 1/3
- 弯曲半径是软管内径的 5 倍
- 不能保证胶管没有分段，如果不接受分段，  
请联系销售人员了解具体价格和供货情况

### 应用

- 耐冷却液添加剂
- 抗硬化，开裂，老化和各种化学物质，防止冷却液渗漏
- 在极端温度和各种压力范围内对性能有较高要求的理想选择



# 5526 SERIES: STANDARD HEATER HOSE

## 5526 系列：标准加热器软管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Actual Burst Pressure- PSI 实际爆破压力- PSI	Burst Pressure - PSI SAE J20 R3 TMC 爆破压力-PSI SAE J20 R3 TMC			Weight 重量 (LB/FT) (磅/英尺)	Overall Length (Feet) 总长度 (英尺)	Clamp 夹具
	Inch	MM	Inch	MM		250	125	125			
	英寸	毫米	英寸	毫米							
5526-025x25	0.25	6	0.58	15	320	250	125	0.111	25' Box 盒装	—	
5526-025x50	0.25	6	0.58	15	320	250	125	0.111	50' Box 盒装	—	
5526-025x250	0.25	6	0.58	15	320	250	125	0.111	250' Spool 轴装	—	
5526-025x800	0.25	6	0.58	15	320	250	125	0.111	800' Spool 轴装	—	
5526-031x25	0.31	8	0.64	16	310	250	125	0.128	25' Box 盒装	—	
5526-031x50	0.31	8	0.64	16	310	250	125	0.128	50' Box 盒装	—	
5526-031x600	0.31	8	0.64	16	310	250	125	0.128	600' Spool 轴装	—	
5526-038x25	0.38	10	0.71	18	310	250	125	0.145	25' Box 盒装	2582-0006	
5526-038x50	0.38	10	0.71	18	310	250	125	0.145	50' Box 盒装	2582-0006	
5526-038x250	0.38	10	0.71	18	310	250	125	0.145	250' Spool 轴装	2582-0006	
5526-038x600	0.38	10	0.71	18	310	250	125	0.145	600' Spool 轴装	2582-0006	
5526-050x25	0.50	13	0.83	21	310	250	125	0.181	25' Box 盒装	2582-0006	
5526-050x50	0.50	13	0.83	21	310	250	125	0.181	50' Box 盒装	2582-0006	
5526-050x250	0.50	13	0.83	21	310	250	125	0.181	250' Spool 轴装	2582-0006	
5526-050x500	0.50	13	0.83	21	310	250	125	0.181	500' Spool 轴装	2582-0006	
5526-062x25	0.63	16	0.96	24	300	250	125	0.216	25' Box 盒装	2582-0008	
5526-062x50	0.63	16	0.96	24	300	250	125	0.216	50' Box 盒装	2582-0008	
5526-062x250	0.63	16	0.96	24	300	250	125	0.216	250' Spool 轴装	2582-0008	
5526-062x400	0.63	16	0.96	24	300	250	125	0.216	400' Spool 轴装	2582-0008	
5526-075x25	0.75	19	1.08	27	300	200	125	0.25	25' Box 盒装	2582-0010	
5526-075x50	0.75	19	1.08	27	300	200	125	0.25	50' Box 盒装	2582-0010	
5526-075x250	0.75	19	1.08	27	300	200	125	0.25	250' Spool 轴装	2582-0010	
5526-075x300	0.75	19	1.08	27	300	200	125	0.25	300' Spool 轴装	2582-0010	
5526-087x25	0.88	22	1.21	31	250	175	125	0.287	25' Box 盒装	2582-0012	
5526-087x50	0.88	22	1.21	31	250	175	125	0.287	50' Box 盒装	2582-0012	
5526-087x200	0.88	22	1.21	31	250	175	125	0.287	200' Spool 轴装	2582-0012	
5526-100x25	1.00	25	1.33	34	250	175	125	0.324	25' Box 盒装	2582-0016	
5526-100x50	1.00	25	1.33	34	250	175	125	0.324	50' Box 盒装	2582-0016	
5526-100x200	1.00	25	1.33	34	250	175	125	0.324	200' Spool 轴装	2582-0016	
5526-125x25	1.25	32	1.58	40	200	175	125	0.385	25' Box 盒装	2582-0020	
5526-125x50	1.25	32	1.58	40	200	175	125	0.385	50' Box 盒装	2582-0020	
5526-125x150	1.25	32	1.58	40	200	175	125	0.385	150' Spool 轴装	2582-0020	

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

\*规格仅供参考。可根据要求提供具体测试数据。



## 5521 AND 5834 SERIES: PREMIUM HEATER HOSE 5521 和 5834 系列：高级加热器软管

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

有绿色供选择，尼龙布增强

长度有 25 英尺和 50 英尺供选择，用纸盒包装

加厚的壁厚以应对比标准加热器软管更高的高压

也可提供更长的长度，用标准木轴包装



### Construction: 结构：

- 5521 Series: Silicone hose with 1-ply of Nylon Fiber Reinforcement. Green Cover, Red Liner
- 5521 系列：单层尼龙布增强的硅胶软管。外表绿色，红色内衬
- 5834 Series: Silicone hose with 1-ply of Para-Aramid Fiber Reinforcement. Blue Cover, Red Liner
- 5834 系列：单层对位芳纶纤维增强的硅胶软管。外表蓝色，红色内衬

### Specifications: 规格：

- Meets or exceeds the operating requirements of SAE J20 R3 Class A
- 达到或超过 SAE J20 R3 Class A 的操作要求
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- 达到或超过 TMC RP303B Class I Grade II 的操作要求
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- 温度范围为 -65 °F ( -54 °C ) 至 +350 °F ( +177 °C )
- Standard Wall Thickness is .170" / .220"
- 标准壁厚为 0.170 英寸 / 0.220 英寸
- Working pressure is 1/3 of the burst pressure
- 工作压力是 爆破压力的 1/3
- Bend radius is 5 times the ID of the hose
- 弯曲半径是软管内径的 5 倍
- Continuous lengths are not guaranteed, if continuous lengths are required please contact sales for price and availability
- 不能保证胶管没有分段，如果不接受分段，请联系销售人员了解具体价格和供货情况

### Applications: 应用：

- Resistant to coolant additives
- 耐冷却液添加剂
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- 抗硬化，开裂，老化和各种化学物质，防止冷却液渗漏
- Ideal for extreme temperature and various pressure ranges where high performance levels are required
- 在极端温度和各种压力范围内对性能有较高要求的理想选择



## 5521 SERIES: PREMIUM HEATER HOSE

### 5521 系列：高级加热器软管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Actual Burst Pressure—PSI 实际爆破压力-PSI	Burst Pressure—PSI SAE J20 R3 TMC 爆破压力-PSI SAE J20 R3 TMC			Weight 重量 (LB/FT) (磅/英尺)	Overall Length (Feet) 总长度 (英尺)	Clamp 夹具
	Inch	MM	Inch	MM		SAE J20	R3	TMC			
	英寸	毫米	英寸	毫米							
5521-025x25	0.25	6	0.64	16	475	475	125	0.121	25' Box盒装	—	
5521-025x50	0.25	6	0.64	16	475	475	125	0.121	50' Box盒装	—	
5521-025x800	0.25	6	0.64	16	475	475	125	0.121	800' Spool轴装	—	
5521-031x25	0.31	8	0.70	18	475	475	125	0.151	25' Box盒装	—	
5521-031x50	0.31	8	0.70	18	475	475	125	0.151	50' Box盒装	—	
5521-031x600	0.31	8	0.70	18	475	475	125	0.151	600' Spool轴装	—	
5521-038x25	0.38	10	0.77	20	475	475	125	0.181	25' Box盒装	2582-0006	
5521-038x50	0.38	10	0.77	20	475	475	125	0.181	50' Box盒装	2582-0006	
5521-038x500	0.38	10	0.77	20	475	475	125	0.181	500' Spool轴装	2582-0006	
5521-050x25	0.50	13	0.89	23	425	425	125	0.226	25' Box盒装	2582-0006	
5521-050x50	0.50	13	0.89	23	425	425	125	0.226	50' Box盒装	2582-0006	
5521-050x500	0.50	13	0.89	23	425	425	125	0.226	500' Spool轴装	2582-0006	
5521-062x25	0.63	16	1.02	26	375	375	125	0.258	25' Box盒装	2582-0010	
5521-062x50	0.63	16	1.02	26	375	375	125	0.258	50' Box盒装	2582-0010	
5521-062x400	0.63	16	1.02	26	375	375	125	0.258	400' Spool轴装	2582-0010	
5521-075x25	0.75	19	1.14	29	325	325	125	0.301	25' Box盒装	2582-0012	
5521-075x50	0.75	19	1.14	29	325	325	125	0.301	50' Box盒装	2582-0012	
5521-075x300	0.75	19	1.14	29	325	325	125	0.301	300' Spool轴装	2582-0012	
5521-087x25	0.88	22	1.27	32	300	300	125	0.346	25' Box盒装	2582-0012	
5521-087x50	0.88	22	1.27	32	300	300	125	0.346	50' Box盒装	2582-0012	
5521-087x200	0.88	22	1.27	32	300	300	125	0.346	200' Spool轴装	2582-0012	
5521-100x25	1.00	25	1.39	35	300	300	125	0.391	25' Box盒装	2582-0016	
5521-100x50	1.00	25	1.39	35	300	300	125	0.391	50' Box盒装	2582-0016	
5521-100x200	1.00	25	1.39	35	300	300	125	0.391	200' Spool轴装	2582-0016	
5521-125x25	1.25	32	1.64	42	200	275	125	0.491	25' Box盒装	2582-0020	
5521-125x50	1.25	32	1.64	42	200	275	125	0.491	50' Box盒装	2582-0020	
5521-125x150	1.25	32	1.64	42	200	275	125	0.491	150' Spool轴装	2582-0020	

\*Specifications for reference only. Specific test data available on request.  
\*规格仅供参考。可根据要求提供具体测试数据。

## 5834 SERIES: PREMIUM HEATER HOSE

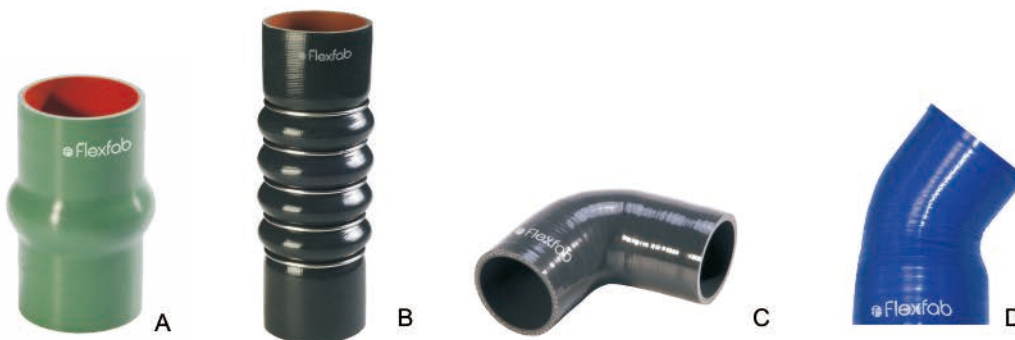
### 5834 系列：高级加热器软管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Actual Burst Pressure—PSI 实际爆破压力-PSI	Burst Pressure—PSI SAE J20 R3 TMC 爆破压力-PSI SAE J20 R3 TMC			Weight 重量 (LB/FT) (磅/英尺)	Overall Length (Feet) 总长度 (英尺)	Clamp 夹具
	Inch	MM	Inch	MM		SAE J20	R3	TMC			
	英寸	毫米	英寸	毫米							
5834-112x25	1.13	29	1.52	38	250	275	125	0.438	25' Box盒装	2582-0020	
5834-112x50	1.13	29	1.52	38	250	275	125	0.438	50' Box盒装	2582-0020	
5834-112x150	1.13	29	1.52	38	250	275	125	0.438	150' Spool轴装	2582-0020	

\*Specifications for reference only. Specific test data available on request.  
\*规格仅供参考。可根据要求提供具体测试数据。

## SPECIALTY HOSE

## 特殊软管



Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英尺)	Stainless Steel Rings 不锈钢圈	Burst Pressure – PSI 爆破压力– PSI	Weight 重量 (LBS) (磅)	Clamp 夹具
	Inch	MM	Inch	MM					
	英寸	毫米	英寸	毫米					
A. 7730-0001	3.00	76	3.23	82	6.00	No 否	90	0.5	2582-0043 or 2584-0362
B. 7967	2.50	64	2.82	72	8.50	Yes 是	150	0.5	2582-0040 or 2584-0312
C. 7965	2.50	64	2.92	74	10.00	No 否	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 否	165	0.5	2583-0350/2583-0400

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

\*规格仅供参考。可根据要求提供具体测试数据。

## A. 7730-0001: Coolant Sleeve

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

## A. 7730-0001 : 冷却液直管

- 专为独特应用设计的冷却液直管。  
在用于新的应用之前应咨询销售人员，因为压力等级是特定的。
- 软管也可用于冷端中冷器。
- 温度范围为-65 °F ( -54 °C ) 至+350 °F ( +177 °C )
- 最大工作压力为 30 psi
- 4层涤纶增强软管

## B. 7967: Coolant Bellows

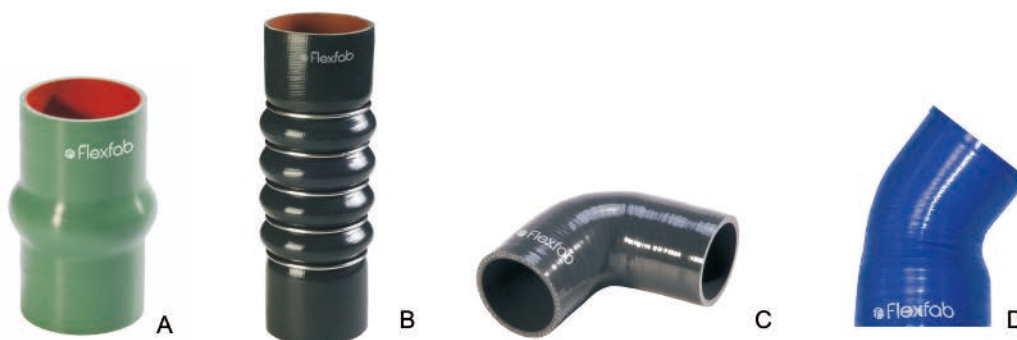
- Once installed, the hose can handle up to 1.00" of lateral movement in the application
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Meets or exceeds the operating requirements of SAE J20 R1 Class A
- Maximum operating pressure is 50psi
- 3-ply polyester reinforced hose

## B. 7967 : 冷却液波纹管

- 一旦安装，软管可处理应用中高达 1.00 英寸的横向运动
- 温度范围为-65 °F ( -54 °C ) 至+350 °F ( +177 °C )
- 达到或超过 SAE J20 R1 Class A 的操作要求
- 最大工作压力为 50 psi
- 3层涤纶增强软管

## SPECIALTY HOSE

## 特殊软管



Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英尺)	Stainless Steel Rings 不锈钢圈	Burst Pressure – PSI 爆破压力– PSI	Weight 重量 (LBS) (磅)	Clamp 夹具
	Inch	MM	Inch	MM					
	英寸	毫米	英寸	毫米					
A. 7730-0001	3.00	76	3.23	82	6.00	No 否	90	0.5	2582-0043 or 2584-0362
B. 7967	2.50	64	2.82	72	8.50	Yes 是	150	0.5	2582-0040 or 2584-0312
C. 7965	2.50	64	2.92	74	10.00	No 否	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 否	165	0.5	2583-0350/2583-0400

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

\*规格仅供参考。可根据要求提供具体测试数据。

## C.7965 Coolant Elbow

- Used for a 90° coolant connection between pipes
- Tighter bend radius than most other 90° elbows
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- Meets or exceeds the operating requirements of SAE J20 R1 Class A
- Maximum operating pressure is 50psi
- 4-ply polyester reinforced hose

## C. 7965 : 冷却液弯管

- 用于管道之间的 90° 冷却液连接管
- 比大多数其他 90° 弯管弯曲半径更大
- 温度范围为 -65 °F ( -54 °C ) 至 +350 °F ( +177 °C )
- 达到或超过 SAE J20 R1 Class A 的操作要求
- 最大工作压力为 50 psi
- 4 层涤纶增强软管

## D. 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 55 psi
- 6-ply meta-aramid reinforced hose

## D. 7902 : 增压器 45°弯管

- 用于管道之间的 45° 热端增压器连接管
- 温度范围为 -65 °F ( -54 °C ) 至 +450 °F ( +232 °C )
- 最大工作压力为 55 psi
- 6层间位芳纶增强软管

# CHARGE AIR CONNECTOR (CAC) CONVOLUTED REDUCERS

## 增压器软管（CAC）：螺纹异径接头



Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英尺)	Convolutés (Humps) 回旋 (驼峰)	Stainless Steel Rings 不锈钢圈	Max Operating Pressure - PSI 最大工作 压力- PSI	Weight 重量 (LBS) (磅)	Clamp 夹具
	Inch	MM	Inch	MM						
	英寸	毫米	英寸	毫米						
7868	2.50/3.00	64/76	2.73/3.23	69/82	4.00	1	None 无	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 无	30	0.5	2583-0400/2583-0450 2584-0462/2584-0512
7866	4.00/4.50	102/114	4.23/4.73	107/120	7.00	2	3	45	0.6	2583-0400/2583-0450 2584-0462/2584-0512

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

\*规格仅供参考。可根据要求提供具体测试数据。

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

可用于 CAC 系统的热端和冷端。

Construction: 结构：

- 4-Ply Silicone Coated Meta-Aramid Fabric with Stainless Steel Pressure Retention Rings where noted
- 带不锈钢圈的 4 层硅胶加间位芳纶织物

Specifications: 规格：

- Temperature range is -65 °F ( -54 °C ) to +500 °F ( +260 °C )
- 温度范围为 -65 °F ( -54 °C ) 至 +500 °F ( +260 °C )
- Wall thickness is .092/.132
- 壁厚为 0.092 / 0.132

Applications: 应用：

- Used on diesel truck engines to deliver pressurized intake air to the charge air intercooler and intake manifold
- 用于柴油卡车发动机，将增压空气输送到增压空气中冷器和进气歧管



## CHARGE AIR CONNECTOR (CAC) -HOT SIDE AND COLD SIDE 增压器软管（CAC）：冷热端



### HOT SIDE: 热端:

Construction: 结构:

- 4-Ply Silicone Coated Meta- Aramid Fabric with Stainless Steel Pressure Retention Rings
- 带不锈钢圈的4层硅胶加间位芳纶织物

Specifications: 规格:

- Temperature range is -65 °F ( -54 °C ) to +500 °F ( +260 °C )
- 温度范围为-65 °F ( -54 °C ) 至+500 °F ( +260 °C )
- Wall thickness is .085/.135
- 壁厚为 0.085 / 0.135

Applications: 应用:

- Used on diesel truck engines to deliver pressurized intake air to the charge air intercooler and intake manifold
- 用于柴油卡车发动机，将增压空气输送到增压空气中冷器和进气歧管

### COLD SIDE: 冷端:

Construction: 结构:

- 3-Ply Silicone Coated Polyester Fabric with Stainless Steel Pressure Retention Rings
- 带不锈钢圈的3层硅胶加涤纶织物

Specifications: 规格:

- Temperature range is -65 °F ( -54 °C ) to +350 °F ( +177 °C )
- 温度范围为-65 °F ( -54 °C ) 至+350 °F ( +177 °C )
- Wall thickness is .084/.130
- 壁厚为 0.084 / 0.130

Applications: 应用:

- Used on diesel truck engines to deliver pressurized intake air to the charge air intercooler and intake manifold
- 用于柴油卡车发动机，将增压空气输送到增压空气中冷器和进气歧管

## CHARGE AIR CONNECTOR (CAC) –HOT SIDE

### 增压器软管 (CAC) : 热端

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英寸)	Convolute (Humps) 回旋 (驼峰)	Stainless Steel Rings 不锈钢圈	Max Operating Pressure - PSI 最大工作 压力- PSI	Weight 重量 LBS 磅	Clamp 夹具
	Inch	MM	Inch	MM						
	英寸	毫米	英寸	毫米						
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.  
\*规格仅供参考。可根据要求提供具体测试数据。

## CHARGE AIR CONNECTOR (CAC) –COLD SIDE

### 增压器软管 (CAC) : 冷端

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英寸)	Convolute (Humps) 回旋 (驼峰)	Stainless Steel Rings 不锈钢圈	Max Operating Pressure - PSI 最大工作 压力- PSI	Weight 重量 LBS 磅	Clamp 夹具
	Inch	MM	Inch	MM						
	英寸	毫米	英寸	毫米						
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.  
\*规格仅供参考。可根据要求提供具体测试数据。



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

### 厚壁的增压器软管（CAC）-热端或冷端



#### HOT OR COLD SIDE HEAVY-WALL CHARGE AIR CONNECTORS: 热端或冷端厚壁增压空气连接器:

**Construction: 结构 :**

- 4-Ply Heavy Duty Silicone Coated Meta-Aramid Fabric with Heavy Duty Stainless Steel Pressure Retention Rings
- 带重型不锈钢圈的 4 层重型硅胶叫间位芳纶织物

**Specifications: 规格 :**

- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- 温度范围 -65°F (-54°C) 至 +500°F (+260°C)
- Wall thickness is .117/.163
- 壁厚为 0.117/ 0.163

**Applications: 应用 :**

- Used on diesel engines to deliver pressurized intake air to the charge air intercooler and intake manifold
- 用于柴油卡车发动机，将增压空气输送到增压空气中冷器和进气歧管

#### FLEXFAB DURAGUARD™: 弗莱克斯菲柏 DURAGUARD™:

**Construction: 结构 :**

- 4-Ply Heavy Duty Silicone Coated Meta-Aramid Fabric with Heavy Duty Stainless Steel Pressure Retention Rings
- 带重型不锈钢圈的 4 层重型硅胶加间位芳纶织物
- High temperature fluorocarbon elastomeric liner
- 内衬为耐高温的氟橡胶

**Specifications: 规格 :**

- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- 温度范围为 -65°F (-54°C) 至 +500°F (+260°C)
- Wall thickness is .117/.163
- 壁厚为 0.117/ 0.163
- Designed to meet the EPA 2007 and EURO IV & V requirements for reduced emissions
- 专门设计以符合 EPA 2007 和 EURO IV & V 的减排要求

**Applications: 应用 :**

- Used on diesel engines to deliver pressurized intake air to the charge air intercooler and intake manifold
- 用于柴油卡车发动机，将增压空气输送到增压空气中冷器和进气歧管
- Fluorocarbon lining eliminates closed crankcase vapors from permeating through the sidewall of the intercooler connection Bellows at 500°F (260°C)
- 内衬为氟橡胶避免封闭式曲轴箱内 500°F (260°C) 的蒸汽渗透入中冷器连接波纹管侧壁

# HEAVY-WALL CHARGE AIR CONNECTOR (CAC)

## 厚壁增压器软管 (CAC)

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英寸)	Convolutés (Humps) 回旋 (驼峰)	Stainless Steel Rings 不锈钢圈	Max Operating Pressure - PSI 最大工作 压力- PSI	Weight 重量		Clamp 夹具
	Inch	MM	Inch	MM					LBS 磅		
	英寸	毫米	英寸	毫米							
4076-0001	2.50	64	2.73	69	6.00	2	3	80	0.5	2583-0250	
4074-0001	3.00	76	3.23	82	6.00	2	3	70	0.5	2588-0306	
4073-0001	3.50	89	3.73	95	6.00	2	3	70	0.5	2588-0356	
4070-0001	4.00	102	4.23	107	6.00	2	3	70	0.5	2588-0406	
4075-0001	4.50	114	4.73	120	6.00	2	3	60	0.5	2588-0456	



\*Specifications for reference only. Specific test data available on request.  
\*规格仅供参考。可根据要求提供具体测试数据。

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英寸)	Convolutés (Humps) 回旋 (驼峰)	Stainless Steel Rings 不锈钢圈	Max Operating Pressure - PSI 最大工作 压力- PSI	Weight 重量		Clamp 夹具
	Inch	MM	Inch	MM					LBS 磅		
	英寸	毫米	英寸	毫米							
4076-0002	2.50	64	2.73	69	6.00	2	3	80	0.5	2583-0250	
4074-0002	3.00	76	3.23	82	6.00	2	3	70	0.5	2588-0306	
4073-0002	3.50	89	3.73	95	6.00	2	3	70	0.5	2588-0356	
4070-0002	4.00	102	4.23	107	6.00	2	3	70	0.5	2588-0406	
4075-0002	4.50	114	4.73	120	6.00	2	3	60	0.5	2588-0456	



\*Specifications for reference only. Specific test data available on request.  
\*规格仅供参考。可根据要求提供具体测试数据。

## FLEXFAB DURAGUARD™

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英寸)	Convolutés (Humps) 回旋 (驼峰)	Stainless Steel Rings 不锈钢圈	Max Operating Pressure - PSI 最大工作 压力- PSI	Weight 重量		Clamp 夹具
	Inch	MM	Inch	MM					LBS 磅		
	英寸	毫米	英寸	毫米							
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.  
\*规格仅供参考。可根据要求提供具体测试数据。





## 4000 SERIES: CHARGE AIR CONNECTOR HOSE AND CLAMP KITS 4000 系列：增压器软管和夹具组件



Part Number 零件号	Hose and Clamp Provided in Kit 套件中提供的 软管和夹具	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英寸)	Convolutés (Humps) 回旋 (隆起)	Stainless Steel Rings 不锈钢环	Max Operating Pressure - PSI 最大工作 压力- PSI
		Inch 英寸	MM 毫米	Inch 英寸	MM 毫米				
		KIT4001D	4070-0001 FLX2588-0406	4.00	102				
KIT4002D	4070-0002 FLX2588-0406	4.00	102	4.23	107	6.00	2	3	70
KIT4003D	7727-0001 FLX2588-0406	4.00	102	4.23	107	8.00	2	3	50
KIT4004D	4073-0001 FLX2588-0356	3.50	89	3.73	95	6.00	2	3	70
KIT4005D	4074-0001 FLX2588-0306	3.00	76	3.23	82	6.00	2	3	70
		3.06	78	3.38	86	N/A	N/A	N/A	N/A

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

\*规格仅供参考。可根据要求提供具体测试数据。

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.

弗莱克斯菲伯 4000 系列夹具套件都提供一个 CAC 软管和两个弹簧加载 T 型螺栓夹具。这些套件中提供的软管与增压空气冷却系统的热端或冷端兼容。

### CHARGE AIR CONNECTOR HOSE 增压器软管：

Specification: 规格：

- 4-Ply Silicone Coated Meta-Aramid Fabric With Stainless Steel Pressure Retention Rings
- 带不锈钢圈的 4 层硅胶加间位芳纶织物
- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- 温度范围为 -65°F (-54°C) 至 +500°F (+260°C)

### SPRING-LOADED T-BOLT CLAMPS 弹簧加载 T 型螺栓夹具：

Specifications: 规格：

- All stainless steel Spring-Loaded T-bolt clamps
- 全不锈钢弹簧加载 T 型螺栓夹具
- Resists salt water and may be used in marine applications
- 抗盐水，可用于海洋应用中

# LARGE ID CHARGE AIR CONNECTOR (CAC)

## 大直径增压器软管(CAC)



Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length (Feet) 总长度 (英寸)	Convoluter (Humps) 回旋 (驼峰)	Stainless Steel Rings 不锈钢圈	Max Operating Pressure - PSI 最大工作 压力- PSI	Weight 重量 LBS 磅	Clamp 夹具
	Inch	MM	Inch	MM						
	英寸	毫米	英寸	毫米						
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.

\*规格仅供参考。可根据要求提供具体测试数据。

Can be used on both hot side and cold side of the Charge - Air Cooler system .  
可用于增压器冷却系统的热端或冷端。

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

注意：弗莱克斯菲柏建议在两端都使用双重夹具以进行正确的安装。

Construction: 结构：

- 6-Ply Silicone Coated Meta-Aramid Fabric with Stainless Steel Pressure Retention Rings
- 带不锈钢圈的6层硅胶加间位芳纶织物

Specifications: 规格：

- Temperature range is -65°F(-54°C)to +500°F(+260°C) •温度范围为 -65°F(-54°C)至+500°F(+260°C)
- Wall thickness is .138/.198 •壁厚为 0.138 /0.198

Applications: 应用：

- Used on diesel engines to deliver pressurized intake air to the charge air intercooler and intake manifold
- 用于柴油卡车发动机，将增压空气输送到增压空气中冷却器和进气歧管



## 7701 SERIES: FIBERGLASS REINFORCED TURBO SLEEVES

### 7701 系列：玻纤布补强涡轮直管

Stocked in 3' lengths

12' Lengths Also Available (Please Call For Availability)

长度为 3 英尺

也可提供 12 英尺长度（请致电了解）



#### Part Number Reference

FLX7701-300 (3 Foot Stick)

FLX7701-300x12 (12 Foot Stick)

零件号参考：

FLX7701-300 (3英尺直管)

FLX7701-300x12 (12英尺直管)

#### Construction: 结构：

- 3-Ply Silicone Coated Fiberglass Fabric Reinforcement
- 3层硅胶加玻纤织物增强

#### Specifications: 规格：

- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- 温度范围为-65 °F (-54 °C) 至+500 °F (+260 °C)
- Wall thickness is .080/.110
- 壁厚为0.080 / 0.110

#### Applications: 应用：

- For connection between the turbocharger and the engine (where no vibration is present)
- 用于连接涡轮增压器和发动机（不存在振动）
- Resists chemicals, steam, ozone, coolants, and aging conditions normally found in the engine environment
- 防止发动机环境中通常发现的化学品、蒸汽、臭氧、冷却液和老化条件

# 7701 SERIES: FIBERGLASS REINFORCED TURBO SLEEVES

## 7701 系列：玻纤布补强涡轮直管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Burst Pressure PSI 爆破压力 - PSI	Maximum Operating Pressure - (PSI) 最大工作 负压- PSI	Weight (LB/FT) 重量 (磅/英尺)	Clamp 夹具
	Inch	MM	Inch	MM				
	英寸	毫米	英寸	毫米				
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.

\*规格仅供参考。可根据要求提供具体测试数据。



## 7703 SERIES: HEAVY DUTY FIBERGLASS REINFORCED TURBO SLEEVES

### 7703 系列：重载玻纤布补强涡轮直管

Stocked in 3' lengths only

长度有 3 英尺

Limited sizes available

可提供有限尺寸



Construction: 结构：

- 6 Ply Heavy Duty Silicone Coated Fiberglass Fabric Reinforcement
- 6层重型硅胶涂层玻璃纤维织物增强

Specifications: 规格：

- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- 温度范围为-65 °F (-54 °C) 至+500 °F (+260 °C)
- Wall thickness is .140/.183
- 壁厚为0.140 / 0.183

Applications: 应用：

- For connection between the turbocharger and the engine (where no vibration is present)
- 用于连接涡轮增压器和发动机（不存在振动）
- Resists chemicals, steam, ozone, coolants, and aging conditions normally found in the engine environment
- 防止发动机环境中通常发现的化学品、蒸气、臭氧、冷却液和老化条件

# 7703 SERIES: HEAVY DUTY FIBERGLASS REINFORCED TURBO SLEEVES

## 7703 系列：重载玻纤布补强涡轮直管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Burst Pressure PSI 爆破压力 - PSI	Maximum Operating Pressure - (PSI) 最大工作 负压 - PSI	Weight (LB/FT) 重量 (磅/英尺)	Clamp 夹具
	Inch	MM	Inch	MM				
	英寸	毫米	英寸	毫米				
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.

\*规格仅供参考。可根据要求提供具体测试数据。

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. 7703系列涡轮直管设计用在某些应用中处理更高的压力标准。下表参考了标准涡轮套管7701系列和重型7703系列之间的压力细节。

Flexfab Turbo Sleeve Comparison Chart 弗莱克斯菲柏涡轮直管对比表					
FLX7701 Series Turbo Sleeves FLX7701 系列涡轮直管					
Inside Diameter 内径	7701-200	7701-250	7701-300	7701-350	7701-400
Operating Pressure PSIG 工作压力 PSIG	35	30	25	20	15
Burst Pressure PSIG 爆破压力 PSIG	105	90	75	60	45
FLX7703 Series Heavy Duty Turbo Sleeves FLX7703 系列重型涡轮直管					
Inside Diameter 内径	7703-200	7703-250	7703-300	7703-350	7703-400
Operating Pressure PSIG 工作压力 PSIG	70	60	50	40	30
Burst Pressure PSIG 爆破压力 PSIG	210	180	150	120	90

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

\*规格仅供参考。可根据要求提供具体测试数据。



## 7851 SERIES: META ARAMID REINFORCED TURBO SLEEVES

### 7851 系列：间位芳纶补强涡轮直管

Stocked in 3' lengths      长度为 3 英尺

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Burst Pressure PSI 破裂压力 - PSI	Maximum Operating Pressure - (PSI) 最大工作 负压 - PSI	Weight (LB/FT) 重量 (磅/英尺)	Clamp 夹具
	Inch	MM	Inch	MM				
	英寸	毫米	英寸	毫米				
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



\*Specifications for reference only. Specific test data available on request.  
\*规格仅供参考。可根据要求提供具体测试数据。

#### Construction:

- 4-Ply Silicone Coated Meta-Aramid Fabric Reinforcement

#### Specifications:

- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- Wall thickness is .090/.135

#### Applications:

- For connection between the turbo charger and the engine
- Resists chemicals, steam, ozone, coolants, and aging conditions normally found in the engine environment
- 防止发动机环境中通常发现的化学品、蒸汽、臭氧、冷却液和老化条件

#### 结构：

- 4层硅胶涂层间位芳纶织物增强

#### 规格：

- 温度范围为 -65 °F (-54 °C) 至 +500 °F (+260 °C)
- 壁厚为 0.090 / 0.135

#### 应用：

- 用于连接涡轮增压器和发动机



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

## 2563系列: SIL-FAB2™ 尼龙补强导管

Stocked in 12' Lengths

长度 12 英尺

2-Ply Silicone-coated fiberglass fabric with Nylon Rod Reinforcement (No cuffs) 尼龙增强的双层硅胶涂层玻璃纤维布 (无套箍)



Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Burst Pressure (PSI) 爆破压力 (PSI)	Max. Neg. PSI 最大负压 (PSI)	Max. Leakage CFM 最大泄漏 CFM	Bend Radius (Inch) 弯曲半径 (英寸)	Weight (LB/FT) 重量 (磅/英尺)
	Inch	MM	Inch	MM					
	英寸	毫米	英寸	毫米					
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

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

\*规格仅供参考。可根据要求提供具体测试数据。

### Construction: 结构:

- 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
- 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

### 结构:

- 双层硅胶涂层玻璃纤维软管
- 尼龙加固制造
- 尼龙纤维螺旋缠绕以增强灵活性

### 规格:

- 硫化以延长使用寿命
- 轻巧, 无扭结
- 弯曲半径等于 2.50英寸软管的内径
- 弯曲半径等于 3.00英寸及以上软管内径的 2 倍
- 温度范围为 -65°F (-54°C) 至 +300°F (+149°C)
- 工作压力是破裂压力的 1/3

### 应用:

- 专为处理空气、灰尘、烟雾和轻质粉末的中等压力而设计
- 适合可能有金属线干扰的应用
- 不推荐用于处理液体或研磨材料
- 不推荐用于 增压空气 应用





## 2005 SERIES: INDUSTRIAL SIL-FAB2™ WIRE REINFORCED DUCT 2005 系列 :SIL-FAB2™ 钢丝补强导管

Stocked in 12' Lengths

长度 12 英尺

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

钢丝增强的双层硅胶涂层玻璃纤维布（无套箍）



### 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
- Light weight, 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:应用：

- Designed for medium pressure handling of air, dust, fumes, and light powders
- 专为处理空气、灰尘、烟雾和轻质粉末的中等压力而设计
- Not recommended for handling liquids or abrasive materials
- 不推荐用于处理液体或研磨材料
- Not recommended for charge air applications
- 不推荐用于增压空气应用

### 结构：

- 双层硅胶涂层玻璃纤维软管
- 使用化学处理、螺旋缠绕、弹簧钢丝以增强灵活性
- 双重连续长丝，硅胶处理的玻璃纤维绳

### 规格：

- 硫化以延长使用寿命
- 轻巧，无扭结
- 弯曲半径等于软管的内径
- 温度范围为 -65°F (-54°C) 至 +500°F (+260°C)
- 工作压力是破裂压力的 1/3

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

## 2005 系列: SIL-FAB2™ 钢丝补强导管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Burst Pressure (PSI) 爆破压力 (PSI)	Max. Neg. PSI 最大负压 (PSI)	Max. Leakage CFM 最大泄漏 CFM	Wall Thickness 壁厚	Weight (LB/FT) 重量 (磅/英尺)
	Inch	MM	Inch	MM					
	英寸	毫米	英寸	毫米					
2005-100	1.00	25	1.14	29	180	15	0.015	0.07	2.00
2005-125	1.25	32	1.39	35	180	15	0.015	0.07	2.50
2005-150	1.50	38	1.64	42	165	13	0.015	0.07	3.00
2005-175	1.75	44	1.89	48	165	13	0.02	0.07	3.50
2005-200	2.00	51	2.14	54	150	10	0.02	0.07	4.00
2005-225	2.25	57	2.39	61	150	10	0.02	0.07	4.50
2005-250	2.50	64	2.64	67	135	8	0.025	0.07	5.00
2005-275	2.75	70	2.89	73	135	8	0.025	0.07	6.00
2005-300	3.00	76	3.14	80	135	7	0.03	0.07	6.20
2005-325	3.25	83	3.39	86	135	6	0.03	0.07	6.70
2005-350	3.50	89	3.64	92	120	6	0.035	0.07	7.20
2005-375	3.75	95	3.89	99	120	5	0.035	0.07	7.80
2005-400	4.00	102	4.14	105	120	5	0.04	0.08	8.40
2005-450	4.50	114	4.64	118	105	4	0.05	0.08	9.60
2005-500	5.00	127	5.14	131	105	4	0.06	0.08	10.70
2005-550	5.50	140	5.64	143	90	3	0.08	0.08	11.80
2005-600	6.00	152	6.14	156	90	3	0.1	0.08	13.00
2005-800	8.00	203	8.14	207	45	3	0.15	0.08	17.80
2005-1000	10.00	254	10.14	258	24	2	0.2	0.08	22.60
2005-1200	12.00	305	12.14	308	12	2	0.3	0.08	27.10

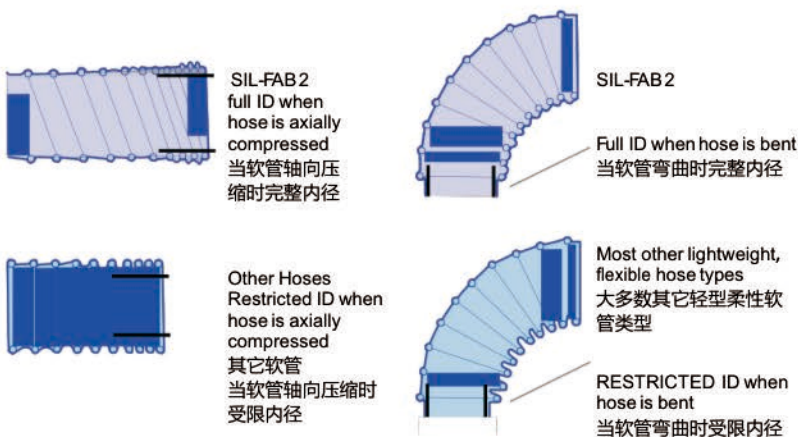
\*Specifications for reference only. Specific test data available on request.  
\*规格仅供参考。可根据要求提供具体测试数据。

### DIAGRAM OF AIRFLOW SIL-FAB2™

### SIL-FAB2™ 气流图

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.

只有使用Silfab-2时弯曲或轴向压缩的内径不受限制。其他柔性软管在弯曲或轴向压缩中产生受限的内径。



# Flexfab®

## 7884 AND 7896 SERIES: 90° AND 45° SILICONE ELBOWS 7884 和 7896 系列：90°和 45°硅胶弯管

Stocked with standard lengths 标准长度



### FLEXFAB 7884 AND 7896 SERIES ELBOWS SERVE A DUAL PURPOSE.

弗莱克斯菲柏 7884 和 7896 系列弯管有双重功能。

Can be used as a coolant hose

可用作冷却液软管

Can be used as a charge air connector (CAC)

可用作增压器连接管 (CAC)

#### Construction: 结构 :

- Silicone hose with 3-ply of Meta-Aramid Reinforcement
- 3层间位芳纶增强的硅胶软管

#### Specifications: 规格 :

- Meets or exceeds the operating requirements of SAE J20 R1 Class A
- 符合或超过 SAE J20 R1 Class A的操作要求
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- 达到或超过 TMC RP303B Class I Grade II 的操作要求
- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- 温度范围为 -65°F (-54°C) 至 +500°F (+260°C)
- Working pressure is 1/3 of the burst pressure
- 工作压力是破裂压力的 1/3
- Custom Wall Thickness is .140" / .190"
- 定制壁厚为 0.140英寸/0.190英寸

#### Applications: 应用 :

- For heavy duty pressure connections in hostile engine environments
- 在恶劣的发动机环境中进行重型压力连接
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- 防止硬化、开裂、冷渗漏、老化和多种化学物质
- Ideal for extreme temperature and various pressure ranges where high performance levels are required
- 适用于需要高性能水平的极端温度和各種压力范围
- For connection between the turbocharger and the engine
- 用于连接涡轮增压器和发动机
- Resists chemicals, steam, ozone, coolants, and aging conditions normally found in the engine environment
- 防止发动机环境中通常发现的化学品、蒸气、臭氧、冷却液和老化条件

## 7884 SERIES: 90° SILICONE ELBOWS

### 7884 系列: 90° 硅胶弯管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Leg Length - Inches (Avail. Clamp Space) 腿长-英寸 (可用夹具空间)	Bend Radius Inches 弯曲半径 英寸	Burst Pressure - PSI SAE J20 R1TMC		Weight (LB/FT) 重量 (磅)	Clamp 夹具
	Inch	MM	Inch	MM			PSI SAE J20 R1	TMC		
	英寸	毫米	英寸	毫米						
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.

\*规格仅供参考。可根据要求提供具体测试数据。

## 7896 SERIES: 45° SILICONE ELBOWS

### 7896 系列: 45° 硅胶弯管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Leg Length - Inches (Avail. Clamp Space) 腿长-英寸 (可用夹具空间)	Bend Radius Inches 弯曲半径 英寸	Burst Pressure - PSI SAE J20 R1TMC		Weight (LB/FT) 重量 (磅)	Clamp 夹具
	Inch	MM	Inch	MM			PSI SAE J20 R1	TMC		
	英寸	毫米	英寸	毫米						
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.

\*规格仅供参考。可根据要求提供具体测试数据。

# Flexfab®

## 7903 SERIES: REDUCERS 7903 系列：异径接头

Stocked in standard 6" lengths 以标准 6 英寸的长度存放



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

弗莱克斯菲柏 7903 系列异径接头有双重作用。

Can be used as a coolant hose

可用作冷却液软管

Can be used as a charge air connector (CAC)

可用作增压器连接管 (CAC)

#### Construction: 结构：

- Silicone hose with 4-ply of Meta-Aramid Reinforcement 4层间位芳纶增强的硅胶软管

#### Specifications: 规格：

- Meets or exceeds the operating requirements of SAE J20 R1 Class A
- 符合或超过SAE J20 R1 Class A的操作要求
- Meets or exceeds the operating requirements of TMC RP303B Class I Grade II
- 达到或超过TMC RP303B Class I Grade II的操作要求
- Temperature range is -65°F (-54°C) to +500°F (+260°C)
- 温度范围为-65 °F (-54 °C) 至+500 °F (+260 °C)
- Working pressure is 1/3 of the burst pressure
- 工作压力是破裂压力的1/3
- Standard Wall Thickness is .170" / .220"
- 标准壁厚为0.170英寸/0.220英寸

#### Applications: 应用：

- For heavy duty pressure connections in hostile engine environments
- 在恶劣的发动机环境中进行重型压力连接
- Resists hardening, cracking, cold leaks, aging, and many chemicals
- 防止硬化、开裂、冷渗漏、老化和多种化学物质

## 7903 SERIES: REDUCERS

## 7903 系列：异径接头

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length Inches 总长度 英寸	Burst Pressure - PSI SAE J20 R1TMC 爆破压力 - PSI SAE J20 R1 TMC		Weight (LB/FT) 重量 (磅)	Clamp 夹具
	Inch	MM	Inch	MM		英寸	英寸		
	英寸	毫米	英寸	毫米	英寸	英寸			
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.

\*规格仅供参考。可根据要求提供具体测试数据。



## 5584 SERIES: MARINE WET EXHAUST SLEEVES

### 5584 系列：船用排湿直管

Stocked in 3' lengths

长度 3 英尺

Limited Availability Please Call

请致电了解其他尺寸



#### Construction: 结构：

- 0.875" ID up to 2" ID: 3-ply Polyester Reinforcement, wall thickness is .155/.200
- 0.875 英寸内径至 2 英寸内径：3 层聚酯增强，壁厚为 0.155 / 0.200 英寸
- 2.25" ID up to 8" ID: 4-ply Polyester Reinforcement, wall thickness is .175/.240
- 2.25 英寸内径至 8 英寸内径：4 层聚酯增强，壁厚为 0.175 / 0.240 英寸
- 10" ID up to 16" ID: 6-ply Polyester Reinforcement, wall thickness is .245/.320
- 10 英寸内径至 16 英寸内径：6 层聚酯增强，壁厚为 0.245 / 0.320 英寸

#### Specifications: 规格：

- Meets or exceeds the operating requirements of SAE J2006 R3, ISO33660, SAE J1942
- 符合或超过 SAE J2006 R3、ISO33660、SAE J1942 的操作要求
- Working pressure is 1/3 of the burst pressure
- 工作压力是破裂压力的 1/3
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- 温度范围为 -65 °F (-54 °C) 至 +350 °F (+177 °C)

#### Applications: 应用：

- Marine wet exhaust
- 海上湿气排放

# 5584 SERIES: MARINE WET EXHAUST SLEEVES

## 5584 系列：船用排湿直管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Burst Pressure - PSI SAE J20 R1TMC		Weight (LB/FT) 重量 (磅)	Clamp 夹具
	Inch	MM	Inch	MM	爆破压力 - PSI SAE J20 R1 TMC			
	英寸	毫米	英寸	毫米				
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	—

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

\*规格仅供参考。可根据要求提供具体测试数据。

## MARINE WET EXHAUST SYSTEMS:

### 船用湿气排放系统：

- Water is injected into the exhaust system to cool the gasses, which are then passed through the outlet. The injected water lowers the temperature of the exhaust gasses from as high as 2000°F to below 250°F. This cools the gasses sufficiently enough for the use of flexible silicone hose. The water cooled exhaust does not cause a fire hazard, and needs no insulation.
- 将水注入排气系统以冷却气体，然后通过出口排出。注入的水将废气的温度从2000 °F降低到250°F以下，这足以冷却气体并使用柔性硅胶软管。水冷排气不会引起火灾，不需要绝缘。

#### Advantages of Silicone:

硅胶的优点：

- Easier to run than rigid pipe
- 比刚性管更容易使用
- Not subject to corrosion, stress or cracking
- 不受腐蚀、应力或开裂影响
- Absorbs engine movement and vibration
- 吸收发动机运动和振动





## 7901 SERIES: MARINE WET EXHAUST BELLOWS 7901 系列：船用排湿波纹管

Limited Stock

有限库存

Please call for availability

请致电了解



### Construction: 结构：

- Silicone hose with 6 plies of Polyester Reinforcement
- 6层聚酯增强硅胶软管

### Specifications:规格：

- Meets or exceeds the operating requirements of SAE J2006 R3, ISO33660, SAE J1942
- 符合或超过SAE J2006 R3、ISO33660、SAE J1942的操作要求
- Temperature range is -65°F (-54°C) to +350°F (+177°C)
- 温度范围为-65 °F (-54 °C) 至+350 °F (+177 °C)
- Working pressure is 1/3 of the burst pressure
- 工作压力是破裂压力的1/3
- Wall thickness is .225/.300
- 壁厚为0.225 / 0.300英寸

### Applications:应用：

- Marine wet exhaust
- 海上湿气排放

# 7901 SERIES: MARINE WET EXHAUST BELLOWS

## 7901 系列：船用排湿波纹管

Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Overall Length Inches 总长度 英寸	Bellows (Humps) 波纹管 (驼峰)	Burst Pressure - PSI SAE J2006 R3 爆破压力- PSI SAE J2006 R3	Weight (LB/FT) 重量 (磅)	Clamp 夹具
	Inch	MM	Inch	MM					
	英寸	毫米	英寸	毫米					
7901-0009	6.00	152	6.53	166	8.00	One1根	36	3	2584-0662
7901-0010	8.00	203	8.53	217	8.00	One1根	36	3.5	2584-0862
7901-0011	10.00	254	10.53	267	8.00	One1根	36	4	—
7901-0012	10.00	254	10.53	267	12.00	One1根	36	5.5	—
7901-0013	10.00	254	10.53	267	14.00	Two2根	36	7	—
7901-0001	12.00	305	12.53	318	12.00	One1根	36	7.5	—
7901-0002	12.00	305	12.53	318	14.00	Two2根	36	8	—
7901-0003	14.00	356	14.53	369	14.00	Two2根	36	9	—
7901-0006	14.00	356	14.53	369	20.00	Two2根	36	12.5	—
7901-0004	16.00	406	16.53	420	14.00	Two2根	36	12	—
7901-0007	16.00	406	16.53	420	20.00	Two2根	36	14	—
7901-0005	18.00	457	18.53	471	18.00	Two2根	36	16	—



\*Specifications for reference only. Specific test data available on request.  
\*规格仅供参考。可根据要求提供具体测试数据。

### MARINE WET EXHAUST SYSTEMS:

#### 船舶湿气排放系统：

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

•将水注入排气系统以冷却气体，然后通过出口排出。注入的水将废气的温度从2000 °F降低到250°F以下，这足以冷却气体并使用柔性硅胶软管。水冷排气不会引起火灾，不需要绝缘。

Advantages of Silicone: 硅胶的优点：

- Easier to run than rigid pipe
- 比刚性管更容易运行
- Not subject to corrosion, stress or cracking
- 不受腐蚀、应力或开裂影响
- Absorbs engine movement and vibration
- 吸收发动机运动和振动



## 5531 SERIES: LOW PRESSURE SILICONE TUBING

### 5531 系列：低压硅胶管

Blue Extruded Tubing 蓝色挤压管  
Stocked in 25' Boxes 25 英尺用纸盒包装



Part Number 零件号	Inside Diameter 内径		Outside Diameter 外径		Wall Thickness 壁厚	Weight (LB/FT) 重量 (磅)
	Inch	MM	Inch	MM		
	英寸	毫米	英寸	毫米		
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.

\*规格仅供参考。可根据要求提供具体测试数据。

#### Construction: 结构：

- Silicone hose without reinforcement 无强化硅胶软管

#### Applications: 应用：

- Low Pressure Silicone Tubing is designed for vacuum advance, windshield washer fluid, transmission modulator, and emission control
- 低压硅胶管设计用于真空提前、挡风玻璃清洗液、传输调节器和排放控制

Temperature in Celsius 摄氏温度	Temperature in Fahrenheit 华氏温度	Expected Life 预期使用年限
<130°C	<266°F	Several Years 数年
150°C	302°F	1.5 Years 1.5年
200°C	392°F	8 Months 8个月
250°C	482°F	3 Months 3个月
300°C	572°F	10 Days 10天

Media: Hot Air with Continuous Exposure 介质：连续热风暴露

This information is for Reference ONLY and is not a guarantee. 此信息仅供参考，不作任何保证。



## 36519 SERIES: BEADED CONNECTORS

### 36519 系列：串珠连接管

Anodized Aluminum Blue Connectors 阳极氧化铝蓝色连接器



Part Number	Outside Diameter		Bead Height	Overall Length	Weight
零件号	外径		(AS5131)	Inches	LBS
Beaded Connectors	Inch	MM	串珠高度	总长度	重量
串珠连接器	英寸	毫米	(AS5131)	英寸	磅
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

\*Specifications for reference only.

\*规格仅供参考。

### MAKE YOUR OWN CUSTOM SHAPES AND SIZES. 可定制形状和大小。

Specifications: 规格：

- Bead height per AS5131 specification
- 珠高符合 AS5131 规格
- Meets anodized aluminum specification MIL-A8625
- 符合阳极氧化铝规格 MIL-A8625

Applications: 应用：

- For creating longer lengths and custom styles without long lead times
- 用于生产更长的长度和自定义样式，无需较长的交货时间
- For coolant, charge air connector, or marine applications
- 适用于冷却液、增压空气连接器或海洋应用
- Anodized aluminum resists salt water damage
- 阳极氧化铝可防止盐水损坏



## 2582 SERIES: LINED WORM GEAR CLAMPS

### 2582 系列：内衬蜗轮夹具

Recommended for Silicone Coolant and Heater Hoses

Please call for availability

推荐用于硅胶冷却液和加热软管

请致电了解



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.

内衬夹具设计用于硅橡胶和其他软管应用。内衬保护软管表面，并防止其在夹具紧固时通过带槽口挤出或剪切。

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

用于：冷却液软管、加热软管、海洋软管和硅胶管。

Specifications: 规格：

- All 300 grade stainless steel lined worm gear clamps
- 全300级不锈钢内衬蜗轮夹具
- Hex Head: 5/16"
- 六角头：5/16英寸
- Band Width: 9/16"
- 带宽：9/16英寸
- Resists salt water and may be used in marine applications
- 抗盐水，可用于海洋应用

Applications: 应用：

- Recommended for silicone coolant hose, heater hose, marine, and silicone tubing
- 推荐用于硅胶冷却液软管、加热软管、船用和硅胶管

## 2582 SERIES: LINED WORM GEAR CLAMPS

### 2582 系列：内衬蜗轮夹具

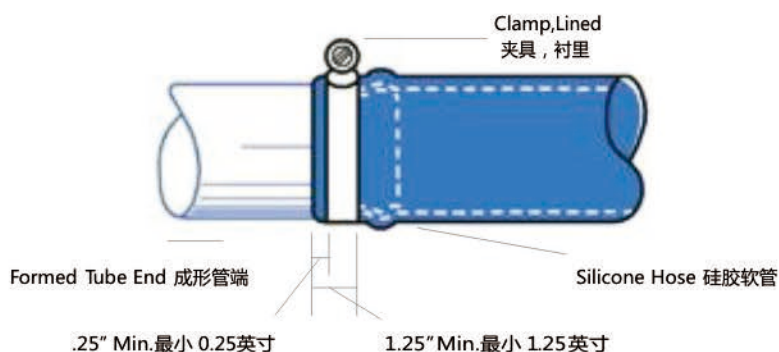
Part Number-Clamps	Min.Dia. (in.)	MaxDia. (in.)	Min.Dia. (mm)	MaxDia. (mm)	Pack Size	Weight LBS- Per10
LinedWorm Gear	最小直径 (英寸)	最大直径 (英寸)	最小直径 (毫米)	最大直径 (毫米)	包装 尺寸	重量 磅-每10件
FLX2582-0006	0.50	0.88	13	22	10	0.5
FLX2582-0008	0.63	1.00	16	25	10	0.5
FLX2582-0010	0.75	1.06	19	27	10	0.5
FLX2582-0012	0.88	1.25	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

\*Specifications for reference only.

\*规格仅供参考。

## COOLANT AND HEATER HOSE CLAMPING INSTRUCTIONS:

### 冷却液和加热软管箝位说明:



- 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-torquing is required, it should be limited to 20 inch-lbs. Do not use serrated, slotted, or wire type clamps.
- 硅胶加热器和冷却液软管推荐使用带内衬的蜗轮或恒转矩型不锈钢夹具。初始夹紧力矩应为40英寸-磅。如果需要重新施加扭矩，则应限制在20英寸-磅。请勿使用锯齿形、开槽或线型夹具。



## 2584 SERIES: CONSTANT TENSION CLAMPS

### 2584 系列：恒张力夹具

Please call for availability 请致电了解



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.

盘形弹簧和夹具结构是为了应对恒定温度波动。较大的重型精密成形弹簧提供更快的带张力和调节，以保证更可靠的密封。内衬防止软管表面的剪切。这种类型的夹具提供统一的360°密封。

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

用于：冷却液软管、加热软管、海洋软管和硅胶管。

Specifications: 规格：

- All 300 grade stainless steel Constant Tension lined clamps
- 全300级不锈钢恒张力内衬夹具
- Hex Head: 3/8"
- 六角头：3/8英寸
- Band Width: 5/8"
- 带宽：5/8英寸
- Resists salt water and may be used in marine applications
- 抗盐水，可用于海洋应用

Applications: 应用：

- Recommended for silicone coolant hose, heater hose, marine, and silicone tubing
- 推荐用于硅胶冷却液软管、加热软管、船用和硅胶管

## 2584 SERIES: CONSTANT TENSION CLAMPS

### 2584 系列：恒张力夹具

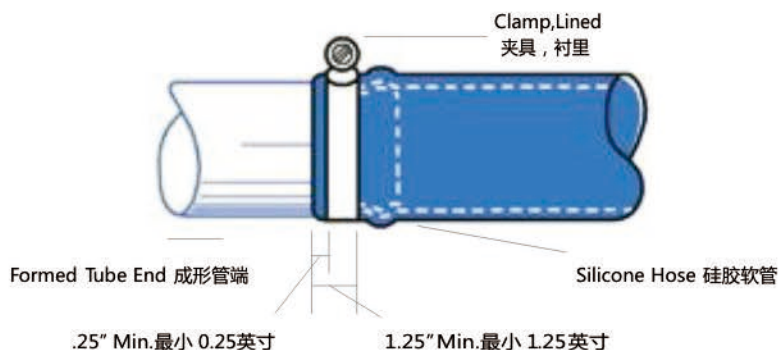
Part Number - Clamps Constant Tension	Min.Dia. (in.)	MaxDia. (in.)	Min.Dia. (mm)	MaxDia. (mm)	Pack Size	Weight LBS- Per10
零件号-夹具 恒定张力	最小直径 (英寸)	最大直径 (英寸)	最小直径 (毫米)	最大直径 (毫米)	包装 尺寸	重量 磅-每10件
FLX2584-0175	1.00	1.75	25	45	10	2
FLX2584-0212	1.25	2.13	32	54	10	2
FLX2584-0262	1.75	2.63	45	67	10	2
FLX2584-0312	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

\*Specifications for reference only.

\*规格仅供参考。

## COOLANT AND HEATER HOSE CLAMPING INSTRUCTIONS:

### 冷却液和加热软管箝位说明：



- 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.
- 硅胶加热器和冷却液软管推荐使用带内衬的蜗轮或恒转矩型不锈钢夹具。初始夹紧力矩应为40英寸-磅。如果需要重新施加扭矩，则应限制在20英寸-磅。请勿使用锯齿形、开槽或线型夹具。





## 2583 SERIES: T-BOLT CLAMPS

### 2583 系列：T 型螺栓夹具

Recommended for Charge Air Connectors and Turbo Charger Sleeves

推荐用于增压空气连接器和涡轮增压套管

Please call for availability

请致电了解



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.

重型T型螺栓夹具提供均匀的密封压力，以获得正确可靠的密封。专为重型卡车、工业机械、越野设备、农业灌溉设备和机械等高振动应用而设计。采用3/4英寸宽的不锈钢带和焊接结构确保可靠性。

**FOR USE ON: COOLANT HOSE, CAC HOSE, TURBO SLEEVES, MARINE HOSE, 90 AND 45 DEGREE ELBOWS, AND SILFAB DUCTING.**  
**用于：冷却液软管、CAC 软管、涡轮直管、船用软管、90 和 45 度弯管、以及 SILFAB 管道**

Specifications: 规格：

- All 300 grade stainless steel T-bolt clamps
- 全300级不锈钢T形螺栓夹具
- Hex Head: 7/16" with Nylon insert
- 六角头：7/16英寸，带尼龙衬垫
- Band Width: 3/4"
- 带宽：3/4英寸
- Resists salt water and may be used in marine applications
- 抗盐水，可用于海洋应用

Applications: 应用：

- Recommended for silicone coolant hose, CAC hose, turbo sleeves, marine hose, 90 and 45 degree elbows, and silfab ducting
- 推荐用于硅胶冷却液软管、CAC软管、涡轮套管、船用软管，90度和45度弯管以及silfab管道。

## 2583 SERIES: T-BOLT CLAMPS

### 2583 系列：T 型螺栓夹具

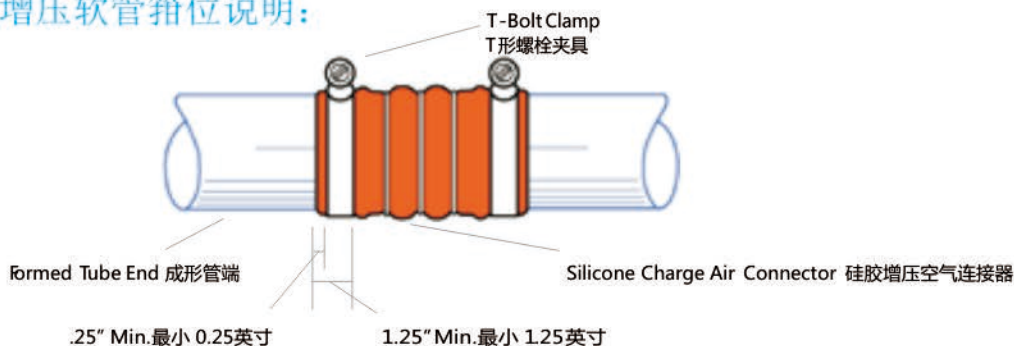
Part Number - Clamps T-Bolt	Min.Dia. (in.)	MaxDia. (in.)	Min.Dia. (mm)	MaxDia. (mm)	Pack Size	Weight LBS- Per10
零件号-夹具 T型螺栓	最小直径 (英寸)	最大直径 (英寸)	最小直径 (毫米)	最大直径 (毫米)	包装 尺寸	重量 磅-每10件
FLX2583-0138	1.38	1.56	35	39	10	1
FLX2583-0150	1.50	1.63	38	42	10	1.5
FLX2583-0163	1.63	1.88	41	46	10	1.5
FLX2583-0175	1.75	2.00	45	51	10	1.5
FLX2583-0188	1.88	2.19	48	56	10	1.5
FLX2583-0200	2.00	2.31	51	59	10	1.5
FLX2583-0213	2.13	2.44	54	62	10	1.5
FLX2583-0225	2.25	2.56	57	65	10	1.5
FLX2583-0238	2.38	2.69	61	68	10	1.5
FLX2583-0250	2.50	2.81	64	71	10	1.5
FLX2583-0263	2.63	2.94	67	75	10	1.5
FLX2583-0275	2.75	3.06	70	78	10	1.5
FLX2583-0288	2.88	3.19	73	81	10	1.5
FLX2583-0300	3.00	3.31	76	84	10	1.5
FLX2583-0313	3.13	3.44	80	87	10	1.5
FLX2583-0325	3.25	3.56	83	90	10	1.5
FLX2583-0338	3.38	3.69	86	94	10	1.5
FLX2583-0350	3.50	3.81	89	97	10	1.5
FLX2583-0363	3.63	3.94	92	100	10	1.5
FLX2583-0375	3.75	4.06	95	103	10	1.5
FLX2583-0400	4.00	4.31	102	110	10	2
FLX2583-0425	4.25	4.56	108	116	10	2
FLX2583-0450	4.50	4.81	114	122	10	2
FLX2583-0475	4.75	5.06	121	129	10	2
FLX2583-0500	5.00	5.31	127	135	10	2

\*Specifications for reference only.

\*规格仅供参考。

### CAC AND TURBO CHARGER HOSE CLAMPING INSTRUCTIONS:

#### CAC 和涡轮增压软管箝位说明：



Use only T-bolt style clamps. Constant torque T-bolt style clamps may help retain clamp load. Torque clamps to 70-75 inch-lbs.  
仅使用T形螺栓式夹具。恒转矩T形螺栓式夹具有助于保持夹紧力。向夹具施加70-75英寸-磅的扭矩。



## 2588 SERIES: SPRING LOADED T-BOLT CLAMPS

### 2588 系列：彈簧加载 T 型螺栓夹具



Part Number - Clamps Spring Loaded T-Bolt	Min.Dia. (in.)	MaxDia. (in.)	Min.Dia. (mm)	MaxDia. (mm)	Pack Size	Weight LBS- Per10
零件号-夹具 彈簧加载T型螺栓	最小直径 (英寸)	最大直径 (英寸)	最小直径 (毫米)	最大直径 (毫米)	包装 尺寸	重量 磅-每10件
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.

\*规格仅供参考。

Spring-Loaded T-bolt clamps are designed to compensate for fluctuations in all types of hose line assemblies. When temperature and/or pressure changes cause hose lines to expand or contract, Spring-Loaded T-bolt Clamps adjust accordingly to provide constant band tension. 彈簧T型螺栓夹具提供均匀的密封压力，以获得正确可靠的密封。专为重型卡车、工业机械、越野设备、农业灌溉设备和机械等高振动应用而设计。

#### Specifications: 规格：

- All 316 grade stainless steel Spring-Loaded T-bolt clamps
- 全316级不锈钢彈簧加载T形螺栓夹具
- Hex Head: 5/16"
- 六角头：5/16英寸
- Band Width: 3/4"
- 带宽：3/4英寸
- Resists salt water and may be used in marine applications
- 抗盐水，可用于海洋应用

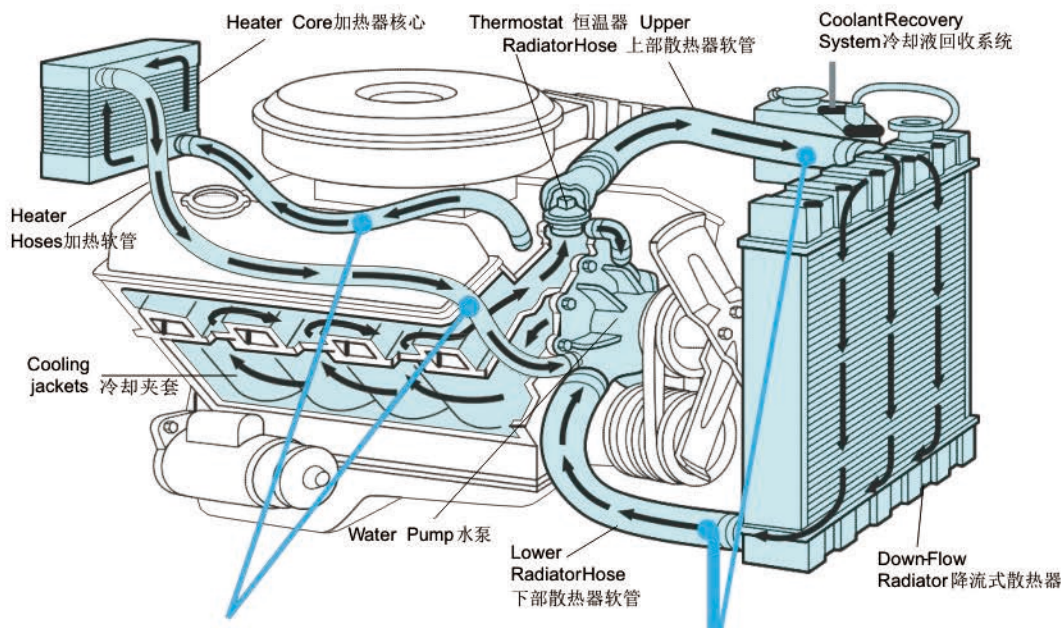
#### Applications: 应用：

- Recommended for silicone coolant hose, CAC hose, turbo sleeves, marine hose, 90 and 45 degree elbows, and silfab ducting
- 推荐用于硅胶冷却液软管、CAC软管、涡轮直管、船用软管，90度和45度弯管以及silfab管道。

## HOW DOES A COOLING SYSTEM WORK? 冷却系统是如何工作的？

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

冷却系统包括发动机缸体和缸盖内的通道、循环冷却液的泵、控制冷却液温度的恒温器、冷却液的散热器、控制系统内压力的散热器盖，以及由相互连接的软管（Flexfab软管）组成并将冷却液从发动机传输到散热器以及加热器系统，从而在寒冷天气使用热冷却液对车辆内部进行预热的管道。下图显示了降流式散热器的冷却液的流动：



FLX5526 Standard Heater Hose  
FLX5526 标准加热器软管  
FLX5521 Premium Heater Hose  
FLX5521 高级加热器软管

FLX5515 Series Coolant Hose	FLX5515 系列冷却液软管
FLX5581 Series Coolant Hose	FLX5581 系列冷却液软管
FLX5415 Series Coolant Hose	FLX5415 系列冷却液软管
FLX7884 Series 90° Elbows	FLX7884 系列 90°弯管
FLX7896 Series 45° Elbows	FLX7896 系列 45°弯管
FLX7903 Series Reducers	FLX7903 系列异径接头

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

有几个软管组成管道连接冷却系统的组件。主管称为上下散热器软管。这两个软管在发动机和散热器之间引导冷却液。两个外的软管称为加热器软管，将热冷却液从发动机提供到加热器核心。这些软管的设计可承受冷却系统内的压力。因此，软管会磨损，最终在日常维护时可能需要更换。

FOR REFERENCE ONLY 仅供参考



## CHARGE-AIR COOLING PROCESS 增压空气冷却流程

A very important component to overall engine efficiency 整体发动机效率的重要组成部分

The charge-air cooler and turbocharger are part of a high tech induction system that increases engine combustion efficiency.

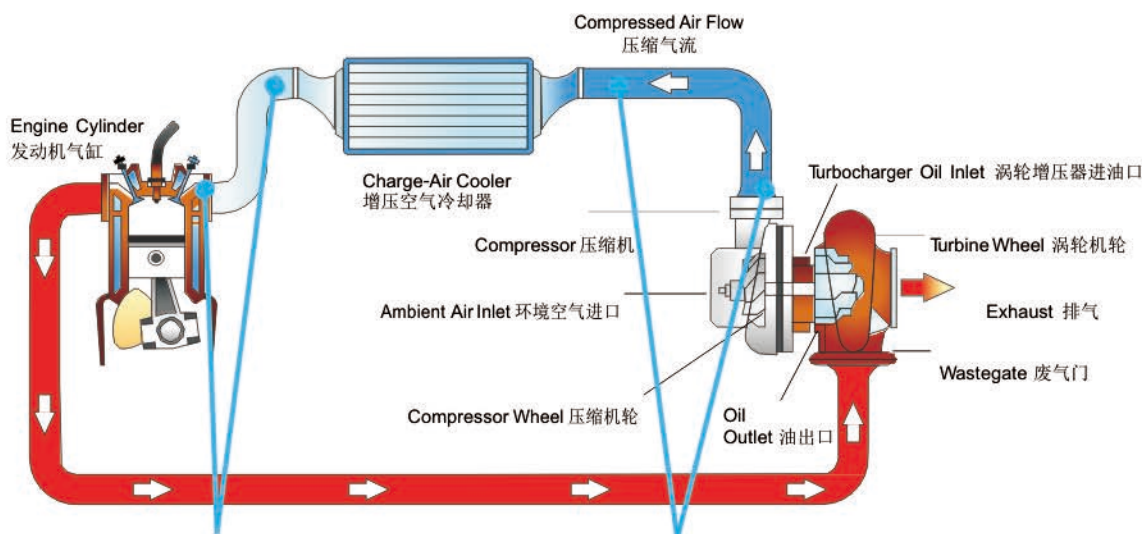
The turbocharger uses exhaust gases to compress air before it enters the charge-air cooler.

增压空气冷却器和涡轮增压器是提高发动机燃烧效率的高科技感应系统的一部分。涡轮增压器在进入增压空气冷却器之前使用废气来压缩空气

The compressed air going through the charge-air cooler is then cooled by the ambient air flowing across the cooler fins.

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

然后通过增压空气冷却器的压缩空气被流过冷却器翅片的环境空气冷却。冷却的空气比暖空气密度大。因此，当流入发动机进气侧时，增加的密度可提高马力和燃油经济性并减少排放。下图提供是增压空气冷却器相关部件的清晰视图以及空气流经系统的方式：



FLX7755-0002D or other coldside CAC Bellow

FLX7755-0002D或其他冷端 CAC 波纹管

FLX7884 Series 90° Elbows

FLX7884 系列 90°弯管

FLX7896 Series 45° Elbows

FLX7896 系列 45°弯管

FLX7903 Series Reducers

FLX7903 系列异径接头

FLX7715-0002D or other HotSide CAC Bellow

FLX7715-0002D或其他热端 CAC 波纹管

FLX7884 Series 90° Elbows

FLX7884 系列 90°弯管

FLX7896 Series 45° Elbows

FLX7896 系列 45°弯管

FLX7903 Series Reducers

FLX7903 系列异径接头

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.

增压空气冷却器系统可能会发生泄漏，如果不能堵塞，可能会发生故障。泄漏的增压空气冷却器系统会导致发动机的燃油经济性损失高达½ mpg。为了保持发动机功率和燃油效率，必须正确地维护所有的增压空气冷却器系统。

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## THE FLEXFAB CREED

### 弗莱克斯菲柏的信条

#### VALUE FOR CUSTOMERS:

##### 重视客户:

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.

我们相信对客户的承诺最重要。为了满足客户需求，我们的所有工作都必须是高质量的。我们必须不断努力降低成本，提高质量和生产力。必须及时准确地为客户供货。

#### QUALITY OF LIFE FOR EMPLOYEES:

##### 员工品质生活:

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.

我们致力于员工的公共福利，并认为每个人都必须作为个体对待。我们必须尊重他们的尊严，承认他们的优点。在就业方面必须有安全感，而且报酬必须公平。员工能够随时提出建议和投诉。工作条件必须安全、干净、有序。必须有平等的就业、个人发展和晋升机会。必须通过提供有挑战性的工作来认可员工的价值。训练有素、受过良好教育的员工是保持工作质量的必要因素。我们必须提供有能力的管理人员，其责任是实现我们的长期目的和目标。他们的行为必须公正、合乎道德。

#### SERVICE FOR COMMUNITY:

##### 服务社区:

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.

我们致力于服务生活和工作的社区。为社区项目和慈善事业提供经济上以及员工时间和才能上的支持是好公民的责任。我们必须鼓励全民进步以及更好的健康和教育。我们必须妥善维护我们的财产，保护环境和自然资源。

#### BENEFIT FOR SHAREHOLDERS:

##### 股东福利:

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.

我们的最终承诺是对股东的承诺。必须确保公司的长期可行性，必须开发新的产品和能力，必须鼓励和尝试新的想法，必须进行的研究，制定创新方案，必须妥善维护设备和设备，必要时更换。为了实现这一承诺，必须有足够的利润，以及应对不时之需的储备。通过公平的产品价格和控制成本为股东实现公平的回报。

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