Purosil Catalog

Hose & Accessories

American Made
World Class

August, 2013

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LEGAL DISCLAIMER: Extra care is taken in preparation of this catalog. The user, through its own analysis and testing, is solely responsible for making the final selection of hose and related products and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met.

SAFETY WARNING

Failure to consider how temperature and other conditions affect hose performance could result in death personal injury or property damage. As temperature increases or decreases, burst pressure, safe working pressure, coupling retention properties, and other safety characteristic of the hose can significantly decrease. Deterioration due to wear, impulse, and other environmental conditions should also be considered. The user, through its own analysis and testing, is solely responsible for making the final selection of the hose and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met.

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Company Profile & Capabilities

American Made – World Class! Purosil LLC, established in 1958, serves multiple industries including the; Heavy Duty Truck, Coach, Marine, Military, Industrial, Construction and Auto Performance markets. Purosil LLC manufactures high performance silicone and EPDM hoses. Purosil was purchased by MCP Industries in 2002. In 2005 it moved to a new manufacturing facility on a 10 acre site in Corona, CA. that it shares with Mission Rubber and MCP.

Purosil supports many artists who painted some of their creative work near the office entrance.

Products

- Charge Air Cooler (CAC)
- Coolant Hose
- Elbows
- Heater Hose
- Hood Hooks
- Hump Hose
- Flex Hose
- Knit Formed Hose
- Turbocharger
- Vacuum Hose
- Organic Rubber Parts

Company Profile & Capabilities - continued

Product Design Capability

- **Product Design**
  - ISO 9001 & TS 16949 Design Certified

- **Current Software**
  - Auto CAD (CAD 2D)
  - Solid Works (3D)
  - Pro E (3D)

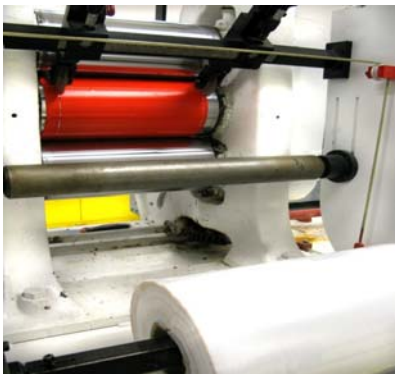
- Prototype design capability.
- 50% of tooling is fabricated in-house for rapid response.
- Custom in house compounding

Polymer Formulations

In house compound development: Silicones, Fluorocarbons, Hybrids, EPDM, NBR, HNBR, NR, CR & VAMAC.

Performance Validation

At temperatures up to 600° F + Pressures up to 135 psi + Vibration up to +/- 12 mm.



Company Profile & Capabilities - continued

Validation Testing

- Burst Pressure Testing (at elevated temperatures, if necessary)
- Adhesion Testing
- Vacuum Testing (at elevated temperatures, if necessary)
- Dynamic Parts Destructive Testing

Engineering Quality Management System (EQMS) Certifications

Current Registrar: NSF ISR

ISO/TS 16949:2009

ISO 14001:2004

ISO 9001:2008

Purosil LLC
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Silicone Data & Applications

Silicone rubber has historically been used in specialty applications in order to meet requirements other elastomers cannot. Silicones have the largest application temperature span of all rubbers, -120 F to +500 F, with one or two exceptions where highly specialized and costly Fluoropolymers can compare.

Silicones are environmentally friendly in that they do not consume oil based produces in their formulation and tend to outlast all other alternatives in high temperature applications.

The US military applies the longest shelf life criteria to Silicone rubber components. For example, a coolant hose made with Silicone meeting SAE J20 specification is given a shelf life of 20 years, whereas those made with chloroprene rubber meeting SAE J20 are given a shelf life of 8 years.

The benign nature of this rubber makes components made with Silicone ideal for electronic applications, where long life and chemical inertness are essential to good electrical integrity over the component's life. Silicone rubber parts can be made extremely conductive (resistivity of 0.0001Ω cm) or highly isolative (resistivity of 10^{15}Ω cm).

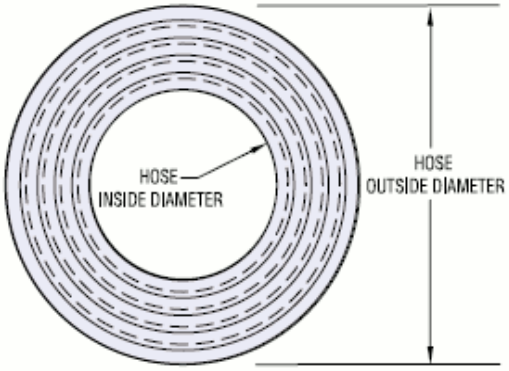
In the turbo Diesel engine market, silicone rubber is commonly used on the changed air cooler (CAC) components in order to survive the severe temperatures. It is also used in the coolant system as radiator and heater hoses for superior service life and where those hose application are plumbed near hot components such as the exhaust system. Our CAC hoses can be designed with a Fluorocarbon liner that resists oil, diesel fuel combustion byproducts that are a results of today's stricter emissions standards.

At Purosil, silicone compounds carefully formulated for each application to meet or exceeded Mil, SAE, TMC or custom OEM specs. We offer our expertise to develop solutions to your most challenging applications.

4-Ply Straight Coolant Hose

Description

For heavy duty high temperature and/or pressure connections in hostile diesel engine environments. Ideal for where high performance levels and a robust construction are required.



Feature Benefits

- 4-ply silicone polyester reinforced configuration for more robustness.
- Recommended for temperatures: -65° to 350°F (-53.9°C to +176.6°C).
- Resistant to electrochemical degradation.
- Meets and/or exceeds all performance and physical characteristics of SAE J20 R1, HT Class A, TMC RP303B Grade I and Grade II, Mil Spec A-A-52426 and OEM requirements.
- UV and ozone resistant.
- NOTE. Aramid reinforced hose available for higher temperature environments up to 500°F or severe applications.

4-Ply Coolant Hose - 70 Series

	Hose ID		Hose OD		Burst Strength	
Part #	Inches	mm	Inches	Mm	SAE J20R1	TMC
70-025	0.25	6.35	0.62	15.8	477	125
70-031	0.31	7.95	0.69	17.4	477	125
70-038	0.38	9.65	0.75	19.1	477	125
70-050	0.5	12.7	0.87	22.15	425	125
70-062	0.62	15.75	0.99	25.2	374	125
70-075	0.75	19.05	1.12	28.5	323	125

4-Ply Coolant Hose - 70 Series con't

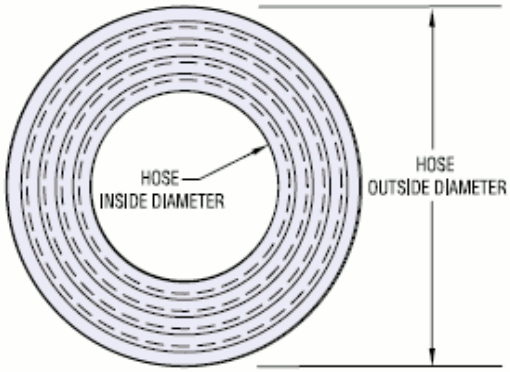
Part #	Hose ID		Hose OD		Burst Strength	
	Inches	mm	Inches	mm	SAE J20R1	TMC
70-087	0.88	22.35	1.25	31.8	297	125
70-100	1	25.4	1.37	34.85	297	125
70-106	1.06	27	1.44	36.45	297	125
70-112	1.13	28.58	1.5	38.02	297	125
70-125	1.25	31.75	1.62	41.2	274	125
70-131	1.31	33.35	1.69	42.8	274	125
70-138	1.38	35.05	1.75	44.5	274	125
70-150	1.5	38.1	1.87	47.55	248	125
70-162	1.62	41.15	1.99	50.6	248	125
70-175	1.75	44.45	2.12	53.9	224	125
70-187	1.88	47.75	2.25	57.2	199	100
70-200	2	50.8	2.37	60.25	199	100
70-212	2.13	53.98	2.5	63.42	175	100
70-225	2.25	57.15	2.62	66.6	175	100
70-238	2.38	60.45	2.75	69.9	175	100
70-250	2.5	63.5	2.87	72.95	149	100
70-262	2.62	66.55	2.99	76	124	100
70-275	2.75	69.85	3.12	79.3	124	100
70-287	2.88	73.03	3.25	82.47	87	100
70-300	3	76.2	3.37	85.65	87	100
70-312	3.13	79.38	3.5	88.82	75	100
70-325	3.25	82.55	3.62	92	75	100
70-338	3.38	85.73	3.75	95.17	75	100
70-350	3.5	88.9	3.87	98.35	75	100
70-362	3.63	92.08	4	101.52	49	100
70-375	3.75	95.25	4.12	104.7	49	100
70-400	4	101.6	4.37	111.05	49	100
70-450	4.5	114.3	4.87	123.75	n/a	100
70-500	5	127	5.37	136.45	n/a	n/a

I.D.s above 5" are available, contact customer service for details.

3-Ply Straight Coolant Hose

Description

Economical choice for heavy duty coolant connections in hostile engine environments. Ideal for extreme temperature ranges where high performance levels are required.



Feature Benefits

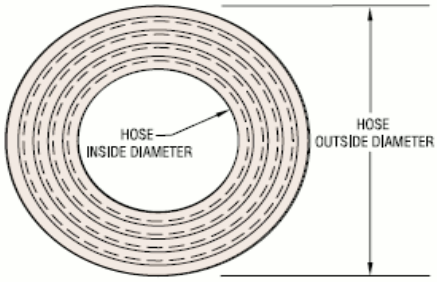
- 3-ply silicone polyester reinforced configuration offers good service life.
- Resistant to electrochemical degradation.
- Recommended for temperatures: -65° to 350°F (-53.9°C to +176.6°C).
- Meets and exceeds performance requirements of SAE J20 R1, HT class A plus physical and performance requirements of TMC RP 303B Class I and Class II.
- Aramid reinforced hose available for higher temperature applications up to 500°F.

3-Ply Coolant Hose - 7030 Series

	Hose ID		Hose OD		Burst Strength		
Part #	Inches	mm	Inches	mm	Actual	SAE J20R1	TMC
7030-025	0.25	6.35	0.58	14.73	633	477	125
7030-031	0.31	7.95	0.64	16.33	589	477	125
7030-038	0.38	9.65	0.71	18.03	555	477	125
7030-050	0.5	12.7	0.83	21.08	521	425	125
7030-062	0.62	15.75	0.95	24.13	493	374	125
7030-075	0.75	19.05	1.08	27.43	459	323	125

Part #	Hose ID		Hose OD		Burst Strength		
	Inches	mm	Inches	mm	Actual	SAE J20R1	TMC
7030-087	0.88	22.35	1.21	30.73	431	297	125
7030-100	1	25.4	1.33	33.78	412	297	125
7030-125	1.25	31.75	1.58	40.13	355	274	125
7030-138	1.38	35.05	1.71	43.43	328	274	125
7030-150	1.5	38.1	1.83	46.48	313	248	125
7030-162	1.62	41.15	1.95	49.53	304	248	125
7030-175	1.75	44.45	2.08	52.83	293	224	125
7030-188	1.88	47.75	2.21	56.13	280	199	100
7030-200	2	50.8	2.33	59.18	271	199	100
7030-225	2.25	57.15	2.58	65.53	256	175	100
7030-238	2.38	60.45	2.71	68.83	252	175	100
7030-250	2.5	63.5	2.83	71.88	244	149	100
7030-262	2.62	66.55	2.95	74.93	239	124	100
7030-275	2.75	69.85	3.08	78.23	233	124	100
7030-287	2.88	73.03	3.21	81.41	230	87	100
7030-300	3	76.2	3.33	84.58	180	87	100
7030-325	3.25	82.55	3.58	90.93	150	75	100
7030-350	3.5	88.9	3.83	97.28	150	75	100
7030-362	3.63	92.08	3.96	100.46	150	49	100
7030-375	3.75	95.25	4.08	103.63	140	49	100
7030-400	4	101.6	4.33	109.98	135	49	100

Turbocharger Hose – 4 Ply Aramid



364 Series

Part #	Hose ID		Hose OD	
	Inches	mm	Inches	mm
364-025	0.25	6.35	0.57	14.48
364-038	0.38	9.65	0.7	17.78
364-050	0.5	12.7	0.82	20.83
364-062	0.63	16	0.95	24.13
364-075	0.75	19.05	1.07	27.18
364-087	0.88	22.35	1.2	30.48
364-100	1.13	25.4	1.32	33.53
364-125	1.25	31.75	1.57	39.88
364-138	1.38	35.05	1.7	43.18
364-150	1.5	38.1	1.82	46.23
364-162	1.62	41.15	1.94	49.23
364-175	1.75	44.45	2.07	52.58
364-188	1.88	47.75	2.2	55.88
364-200	2	50.8	2.32	58.93
364-225	2.25	57.15	2.57	65.28
364-238	2.38	60.45	2.7	68.58
364-250	2.5	63.5	2.82	71.63
364-262	2.62	66.55	2.94	74.68
364-275	2.75	69.85	3.07	77.98
364-287	2.88	73.03	3.2	81.15
364-300	3	76.2	3.32	84.33
364-325	3.25	82.55	3.57	90.68
364-338	3.38	85.73	3.7	93.85
364-350	3.5	88.9	3.82	97.03
364-362	3.63	92.08	3.95	100.2
364-375	3.75	95.25	4.07	103.38
364-400	4	101.6	4.32	109.73
364-450	4.5	114.3	4.82	122.43
364-500	5	127	5.32	135.13
364-600	6	152.4	6.32	160.53
364-700	7	177.8	7.32	185.93

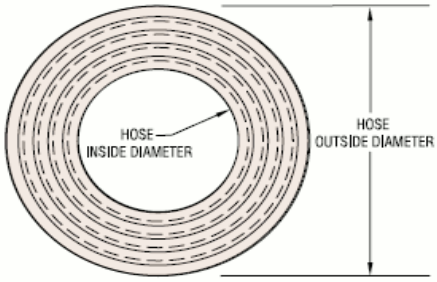
Description

Designed and engineered for the high operating temperatures of a diesel engine's Turbocharger.

Feature Benefits

- 4-ply silicone aramid reinforced configuration adds strength and stays flexible to absorb vibration.
- Special compound provides excellent resistance for high temperature applications.
- Economical for a wide variety of turbocharger applications.
- Designed and engineered for a wide variety of high temperature turbocharger applications.
- Resistant to minor oil splash and petrochemical exposure.
- Excellent flexibility over fiberglass.
- Recommended for temperatures: -65° - 500°F (-53.9°C - 260°C).
- UV and ozone resistant.
- Heat shields available for extreme ambient temperature management.

Turbocharger Hose – 3 Ply Fiberglass



62 Series

Part #	Hose ID		Hose OD	
	Inches	mm	Inches	mm
62-025	0.25	6.35	0.48	12.19
62-038	0.38	9.65	0.61	15.49
62-050	0.5	12.7	0.73	18.54
62-062	0.63	16	0.86	21.84
62-075	0.75	19.05	0.98	24.89
62-087	0.88	22.35	1.11	28.19
62-100	1	25.4	1.23	31.24
62-125	1.25	31.75	1.48	37.59
62-138	1.38	35.05	1.61	40.89
62-150	1.5	38.1	1.73	43.94
62-162	1.62	41.15	1.85	46.99
62-175	1.75	44.45	1.98	50.29
62-188	1.88	47.75	2.11	53.59
62-200	2	50.8	2.23	56.64
62-225	2.25	57.15	2.48	62.99
62-238	2.38	60.45	2.61	66.29
62-250	2.5	63.5	2.73	69.34
62-262	2.62	66.55	2.85	72.39
62-275	2.75	69.85	2.98	75.69
62-287	2.88	73.03	3.11	78.87
62-300	3	76.2	3.23	82.04
62-325	3.25	82.55	3.48	88.39
62-338	3.38	85.73	3.61	91.57
62-350	3.5	88.9	3.73	94.74
62-362	3.63	92.08	3.86	97.92
62-375	3.75	95.25	3.98	101.09
62-400	4	101.6	4.23	107.44
62-450	4.5	114.3	4.73	120.14
62-500	5	127	5.23	132.84
62-600	6	152.4	6.23	158.24
62-700	7	177.8	7.23	183.64

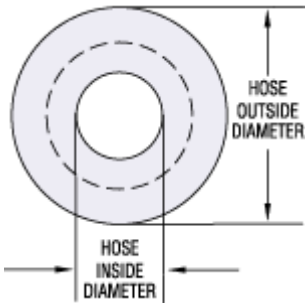
Description

Straight silicone hose with fiberglass reinforcement for extreme high temperature turbocharger application.

Feature Benefits

- 3-ply silicone fiberglass reinforced configuration for extreme high temperature applications.
- Perfect where air flow and friction requirements are not severe.
- Recommended for temperatures: -65° - 550°F (-53.9°C - 287.8°C)
- Resistant to minor oil splash and petrochemical exposure.
- Designed for turbocharger connections where vibration is not a major concern.
- Can be produced up to 10 ply.
- UV and ozone resistant.
- Fluorocarbon liner available for increased petrochemical combustion residue resistance due to higher emission standards.
- Heat shields available for extreme ambient temperature management.

Heater Hose - 80 Series



Description: *Ideal for use in diesel engine or industrial applications that experience high temperature and/or require extended service life.*

Feature Benefits

- Single braided polyester reinforcement
- Available in heavy wall upon request.
- High burst strength and excellent heat resistance.
- Recommended for temperatures: -65° to +350°F (-53.9°C to +176.6°C).
- Resistant to coolants, cold leaks, cracking, peeling, aging and ozone.
- 80N series uses aramid reinforcement for temperatures ranges up to 500°F (260°C).
- Meets and exceeds all performance and physical characteristics of SAE J20 R3, HT Class A.
- Available in 25', 50' and 100' cartons, contact customer service for other available lengths.

Part #	Hose ID		Hose Wall		Hose OD		Burst Strength			Max Operating Pressure (PSI)
	Inches	mm	Inches	mm	Inches	mm	Actual	SAE J20R3	TMC	
80-018	0.188	4.8	0.138	3.5	0.46	12	350	250	125	85
80-025	0.25	6.4	0.138	3.5	0.53	13	350	250	125	85
80-031	0.313	7.9	0.138	3.5	0.59	15	350	250	125	85
80-038	0.375	9.5	0.157	4	0.69	18	350	250	125	80
80-050	0.5	13	0.157	4	0.81	21	350	250	125	80
80-062	0.625	16	0.157	4	0.94	24	300	200	125	70
80-075	0.75	19	0.157	4	1.06	27	275	200	125	70
80-087	0.875	22	0.157	4	1.19	30	250	175	125	60
80-100	1	25	0.169	4.3	1.34	34	200	175	125	50
80-112	1.125	29	0.194	4.9	1.51	38	200	175	125	50

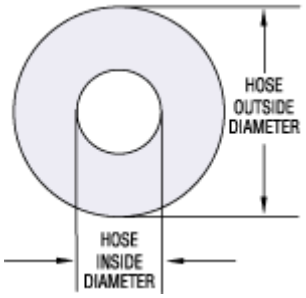
Vacuum Hose - 50 Series

Description

Silicone vacuum tubing is an unreinforced extruded construction ideal for use in extreme hot or cold temperature.

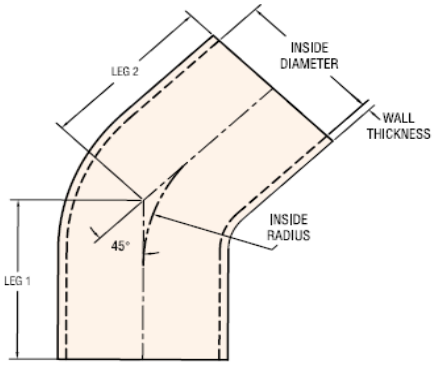
Feature Benefits

- Extruded silicone hose available in red, black or blue tubes.
- For extended service life in high or low temperature applications.
- High resistant to ozone, superior low temperature flexibility and extended service life over EPDM.
- Available in 25', 50', and 100' cartons; contact customer service for reel sizes up to 1000'.



Part #	Tube ID	Tube OD
50-012	0.125	0.225
50-016	0.156	0.286
50-018	0.188	0.348
50-025	0.25	0.45
50-031	0.313	0.563
50-038	0.375	0.675

45° Silicone Elbows – 4 Ply Aramid Reinforced



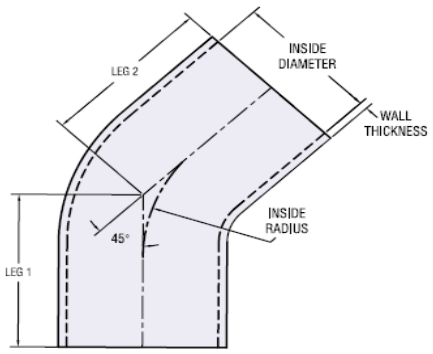
Description: *45° high-temp **CAC turbocharger elbow** with a 4-Ply woven aramid reinforcement. Custom ply configurations are available to meet flexibility configurations to meet higher burst or greater flexibility requirements. Not for use on coolant systems – see below.*

Feature Benefits

- Designed and engineered for a wide variety of high temperature turbocharger applications.
- Resistant to minor oil splash and petrochemical exposure.
- Recommended for temperatures: -65° to 500°F (-53.9°C to 260°C).
- Excellent flexibility and UV and ozone resistant.
- Fluorocarbon liner available for increased petrochemical combustion residue resistance.
- Heat shield available and coolant liner are available upon request.

Part #	Hose ID Inches	Leg 1 (A) Inches	Leg 2 (B) Inches	Inside Radius (R) Inches	Wall Thickness (T) Inches
3646-087-MK	0.875	6	6	1.5	0.16
3646-100-MK	1	6	6	1.5	0.16
3646-125-MK	1.25	6	6	1.75	0.16
3646-138-MK	1.375	6	6	2.5	0.16
3646-150-MK	1.5	6	6	2	0.16
3646-175-MK	1.75	6	6	1.75	0.16
3646-200-MK	2	6	6	4	0.16
3646-225-MK	2.25	6	6	4	0.16
3646-250-MK	2.5	6	6	3	0.16
3646-275-MK	2.75	6	6	3.5	0.16
3646-300-MK	3	6	6	4	0.16
3646-350-MK	3.5	6	6	3.5	0.16
3646-400-MK	4	6	6	4	0.16

45° Silicone Elbows – 4 Ply Polyester Reinforced



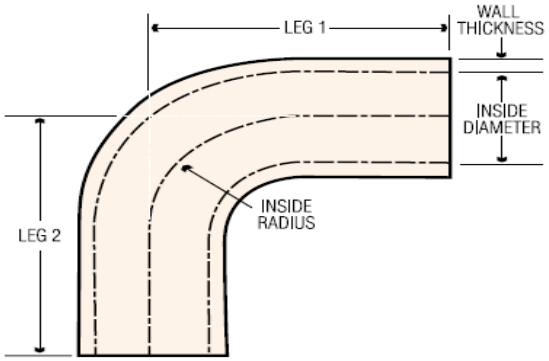
Description: *45° **coolant elbows** with 4-Ply Polyester woven reinforced. Custom ply configurations are available to meet flexibility configurations to meet higher burst or greater flexibility requirements.*

Feature Benefits

- Silicone liner creates barrier to isolate media.
- Recommended for temperatures: -65° to +350°F (-53.9°C to +176.6°C).
- Meets and exceeds all performance and physical characteristics of SAE J20 R1, SAE J20 R1 H.T. Class A, TMC RP303B Grade I and Grade II, Mil Spec A-A-52426 and various heavy-duty OEM requirements.

Part #	Hose ID Inches	Leg 1 (A) Inches	Leg 2 (B) Inches	Inside Radius (R) Inches	Wall Thickness (T) Inches
9046-050-MK	0.5	6	6	1	0.19
9046-062-MK	0.62	6	6	1	0.19
9046-075-MK	0.75	6	6	1	0.19
9046-087-MK	0.87	6	6	1.5	0.19
9046-100-MK	1	6	6	1.5	0.19
9046-125-MK	1.25	6	6	1.75	0.19
9046-150-MK	1.5	6	6	2	0.19
9046-175-MK	1.75	6	6	1.75	0.19
9046-200-MK	2	6	6	2	0.19
9046-225-MK	2.25	6	6	2.25	0.19
9046-250-MK	2.5	6	6	2.5	0.19
9046-275-MK	2.75	6	6	2.75	0.19
9046-300-MK	3	6	6	3	0.19
9046-350-MK	3.5	6	6	3.5	0.19
9046-400-MK	4	6	6	4	0.19

90° Silicone Elbows – 4 Ply Aramid Reinforcement



Description: *90° high-temp **CAC turbocharger elbow** with a 4-Ply aramid reinforcement. Custom ply configurations are available to meet flexibility configurations to meet higher burst or greater flexibility requirements. Not for use on coolant systems – see below.*

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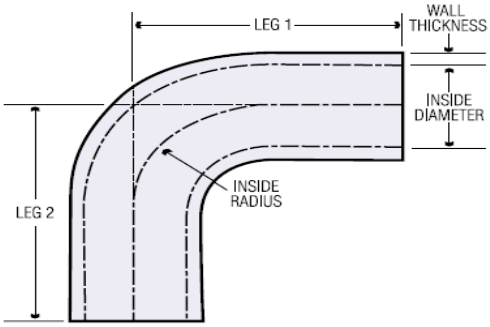
Feature Benefits

- 4-ply silicone Aramid reinforced configuration.
- Economical for a wide variety of turbocharger applications.
- Designed and engineered for a wide variety of high temperature turbocharger applications.
- Resistant to minor oil splash and petrochemical exposure.
- Recommended for temperatures: -65° to 500°F (-53.9°C to 260°C).
- Excellent flexibility.
- Fluorocarbon liner available for increased petrochemical combustion residue resistance.
- Heat shields and coolant liners available upon request.

Part #	Hose ID	Leg 1	Leg 2	Inside Radius	Wall Thickness
	Inches	(A) Inches	(B) Inches	(R) Inches	(T) Inches
3648-087-MK	0.875	6.00	6.00	1.50	0.16
3648-100-MK	1.00	6.00	6.00	1.50	0.16
3648-125-MK	1.25	6.00	6.00	1.75	0.16
3648-150-MK	1.50	6.00	6.00	2.00	0.16
3648-175-MK	1.75	6.00	6.00	1.75	0.16
3648-200-MK	2.00	6.00	6.00	4.00	0.16
3648-225-MK	2.25	6.00	6.00	4.00	0.16
3648-250-MK	2.50	6.00	6.00	3.00	0.16
3648-275-MK	2.75	6.00	6.00	3.50	0.16
3648-300-MK	3.00	6.00	6.00	2.50	0.16
3648-350-MK	3.50	6.00	6.00	3.50	0.16
3648-400-MK	4.00	6.00	6.00	4.00	0.16

90° Silicone Elbows – 4 Ply Polyester Reinforced



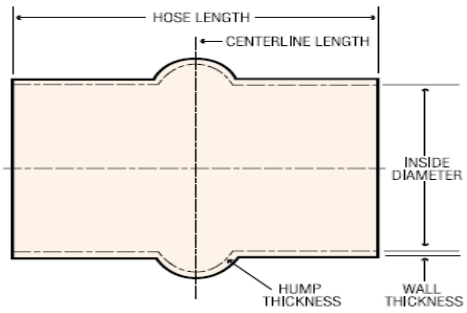
Description: *90° **coolant elbows** designed to meet high performance requirements specified in various industry standards.*

Feature Benefits

- 4-ply silicone polyester reinforced configuration to provide strength and flexibility.
- Silicone liner creates barrier to isolate medium.
- Application temperatures: -65° to +350°F (-53.9°C - +176.6°C). for higher temperatures see 3648 Series Aramid 90° Elbows.
- Custom ply configurations available to meet flexibility and burst requirements.
- Meets and exceeds all performance and physical characteristics of SAE J20 R1, SAE J20 R1 H.T. Class A, TMC RP303B Grade I and Grade II, Mil Spec A-A-52426 and heavy-duty OEM requirements.

Part #	Hose ID Inches	Leg 1 (A) Inches	Leg 2 (B) Inches	Inside Radius (R) Inches	Wall Thickness (T) Inches
90-050-MK	0.5	6	6	1	0.19
90-062-MK	0.625	6	6	1	0.19
90-075-MK	0.75	6	6	1	0.19
90-087-MK	0.875	6	6	1.5	0.19
90-100-MK	1	6	6	1.5	0.19
90-125-MK	1.25	6	6	1.75	0.19
90-150-MK	1.5	6	6	2	0.19
90-175-MK	1.75	6	6	1.75	0.19
90-200-MK	2	6	6	4	0.19
90-225-MK	2.25	6	6	2.25	0.19
90-250-MK	2.5	6	6	2.5	0.19
90-275-MK	2.75	6	6	3.5	0.19
90-300-MK	3	6	6	3	0.19
90-350-MK	3.5	6	6	3.5	0.19
90-400-MK	4	6	6	4	0.19

Hump Hose - Hot Side – 4 ply Aramid Reinforced



Description: *Hump hose is designed and engineered for high temperature turbocharger applications requiring vibration management. Not for use on coolant systems – see below.*

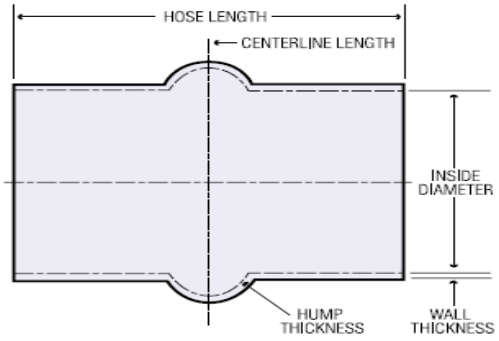
Feature Benefits

- Aramid reinforced configuration for fatigue-resistance at high temperatures.
- Recommended for temperatures: -65° to 500°F (-53.9°C to 260°C).
- Fluorocarbon liner available for increased petrochemical combustion residue resistance.
- Resistant to minor oil splash and petrochemical exposure.
- Compensates for misalignment and offsets vibration.
- Coolant liners available upon request

Part #	Hose ID		Hose OD		Hose Length In
	Inches	mm	Inches	mm	
3641-075-600	0.75	19.05	1.07	27.08	6
3641-100-600	1	25.4	1.32	33.43	6
3641-125-600	1.25	31.75	1.57	39.78	6
3641-150-600	1.5	38.1	1.82	46.13	6
3641-175-600	1.75	44.45	2.07	52.48	6
3641-200-600	2	50.8	2.32	58.83	6
3641-225-600	2.25	57.15	2.57	65.18	6
3641-250-600	2.5	63.5	2.82	71.53	6
3641-275-600	2.75	69.85	3.07	77.88	6
3641-300-600	3	76.2	3.32	84.23	6
3641-325-600	3.25	82.55	3.57	90.58	6
3641-350-600	3.5	88.9	3.82	96.93	6
3641-375-600	3.75	95.25	4.07	103.28	6
3641-400-600	4	101.6	4.32	109.63	6
3641-450-600	4.5	114.3	4.82	122.33	6
3641-500-600	5	127	5.32	135.03	6

Inside Diameters above 5" are available.

Hump Hose - Cold Side – 4 Ply Polyester Reinforced



Description: *Hump hose is for coolant and cold side turbocharger applications in heavy duty truck, high performance automotive and marine engines.*

Feature Benefits

- Reinforced configuration for fatigue-resistance at high temperatures.
- Suitable for coolant and cold side turbocharger applications in heavy duty automotive and marine engines.
- Recommended for temperatures: -65°F to +350°F (-53.9°C to 176.6°C).
- Silicon provides excellent high and low temperature resistance
- Compensates for misalignment and offsets vibration.

Part #	Hose ID		Hose OD		Hose Length In
	Inches	mm	Inches	mm	
76-075-600	0.75	19.05	1.12	28.5	6
76-100-600	1	25.4	1.37	34.85	6
76-125-600	1.25	31.75	1.62	41.2	6
76-150-600	1.5	38.1	1.87	47.55	6
76-175-600	1.75	44.45	2.07	53.9	6
76-200-600	2	50.8	2.37	60.25	6
76-225-600	2.25	57.15	2.62	66.6	6
76-250-600	2.5	63.5	2.87	72.95	6
76-275-600	2.75	69.85	3.12	79.3	6
76-300-600	3	76.2	3.37	85.65	6
76-325-600	3.25	82.55	3.62	92	6
76-350-600	3.5	88.9	3.87	98.35	6
76-375-600	3.75	95.25	4.12	104.7	6
76-400-600	4	101.6	4.37	111.05	6
76-450-600	4.5	114.3	4.87	123.75	6
76-500-600	5	127	5.37	136.45	6

Inside Diameters above 5" are available.

Marine Hose - Silicone Hose Elbows

Description: *Wet exhaust elbows for a flexible fit in wet exhaust marine applications. SAE J2006 compliant for reliability and safety. Large bore sizes up to 10 inches are available.*

Feature Benefits

- Meets and exceeds SAE J2006 industry standards.
- *Available in 4 ply for standard bore and 6 ply for large bore*.
- Recommended for temperatures: -65°F to 350°F (-53.9°C to 176.6°C).

Marine 90° Silicone Hose

Part #	ID (in.)	Bore	Plys	Legs (inches)
90MAR-050-MK	0.5		4	6x6
90MAR-062-MK	0.62		4	6x6
90MAR-075-MK	0.75		4	6x6
90MAR-100-MK	1		4	6x6
90MAR-125-MK	1.25		4	6x6
90MAR-150-MK	1.5		4	6x6
90MAR-175-MK	1.75		4	6x6
90MAR-200-MK	2		4	6x6
90MAR-225-MK	2.25		4	6x6
90MAR-250-MK	2.5		4	6x6
90MAR-275-MK	2.75		4	6x6
90MAR-300-MK	3		4	6x6
90MAR-325-MK	3.25		4	6x6
90MAR-350-MK	3.5		4	6x6
90MAR-375-MK	3.75		4	6x6
90MAR-400-MK	4		4	6x6
90MAR-450-MK	4.5		4	6x6
90MAR-500-MK	5	Larg	4	6x6
90MAR-600-01	6	Larg	4	8.25x8.25
9068MAR-600-01	6	Larg	6	8.25x8.25
90MAR-800-01	8	Larg	4	10x10
9068MAR-800-01	8	Larg	6	10x10
90MAR-1000-01	10	Larg	4	12x12
9068MAR-1000-01	10	Larg	6	12x12

Marine 45° Silicone Hose

Part #	ID (in.)	Bore	Plys	Legs (inches)
9046MAR-050-MK	0.5		4	6x6
9046MAR-062-MK	0.62		4	6x6
9046MAR-075-MK	0.75		4	6x6
9046MAR-100-MK	1		4	6x6
9046MAR-125-MK	1.25		4	6x6
9046MAR-150-MK	1.5		4	6x6
9046MAR-175-MK	1.75		4	6x6
9046MAR-200-MK	2		4	6x6
9046MAR-225-MK	2.25		4	6x6
9046MAR-250-MK	2.5		4	6x6
9046MAR-275-MK	2.75		4	6x6
9046MAR-300-MK	3		4	6x6
9046MAR-325-MK	3.25		4	6x6
9046MAR-350-MK	3.5		4	6x6
9046MAR-375-MK	3.75		4	6x6
9046MAR-400-MK	4		4	6x6
9046MAR-450-MK	4.5		4	6x6
9046MAR-500-MK	5	Large	4	6x6
9046MAR-600-01	6	Large	4	8.25x8.25
9066MAR-600-01	6	Large	6	8.25x8.25
9046MAR-800-01	8	Large	4	10x10
9066MAR-800-01	8	Large	6	10x10
9046MAR-1000-01	10	Large	4	12x12
9066MAR-1000-01	10	Large	6	12x12

Marine Wet Exhaust: Single Humps & Double Humps

Description: Wet exhaust hump hoses for a flexible fit in wet exhaust marine applications. SAE J2006 compliant for reliability and safety. Available in large bore up to 20 inches.

Feature Benefits

- *Meets and exceeds SAE J2006 industry standards.*
- *Available in 4 ply for standard bore and 6 ply for large bore.*
- *Desired lengths available upon request.*
- High-quality 4 to 6 ply woven polyester reinforcement
- *Recommended for temperatures: -65°F to 350°F (-53.9°C to 176.6°C).*

Marine Wet Exhaust Single Hump

Part #	ID (inches)	Bore	Plys
76SMAR-050	0.5		4
76SMAR-062	0.62		4
76SMAR-075	0.75		4
76SMAR-088	0.88		4
76SMAR-100	1		4
76SMAR-125	1.25		4
76SMAR-150	1.5		4
76SMAR-200	2		4
76SMAR-225	2.25		4
76SMAR-250	2.5		4
76SMAR-275	2.75		4
76SMAR-300	3		4
76SMAR-350	3.5		4
76SMAR-400	4		4
76SMAR-450	4.5		4
76SMAR-500	5		4
76SMAR-550	5.5		4
766SMAR-600	6	Large	6
766SMAR-800	8	Large	6
766SMAR-1000	10	Large	6
766SMAR-1200	12	Large	6
766SMAR-1400	14	Large	6
766SMAR-1600	16	Large	6
766SMAR-1800	18	Large	6
766SMAR-2000	20	Large	6

Marine Wet Exhaust - Double Hump

Part #	ID (inches)	Plys
76MDMAR-050	0.5	4
76MDMAR-062	0.62	4
76MDMAR-075	0.75	4
76MDMAR-087	0.88	4
76MDMAR-100	1	4
76MDMAR-125	1.25	4
76MDMAR-150	1.5	4
76MDMAR-200	2	4
76MDMAR-225	2.25	4
76MDMAR-250	2.5	4
76MDMAR-275	2.75	4
76MDMAR-300	3	4
76MDMAR-350	3.5	4
76MDMAR-400	4	4
76MDMAR-450	4.5	4
76MDMAR-500	5	4
76MDMAR-550	5.5	6
76MDMAR-600	6	6
766DMAR-800	8	6
766DMAR-1000	10	6
766DMAR-1200	12	6
766DMAR-1400	14	6
766DMAR-1600	16	6
766DMAR-1800	18	6
766DMAR-2000	20	6

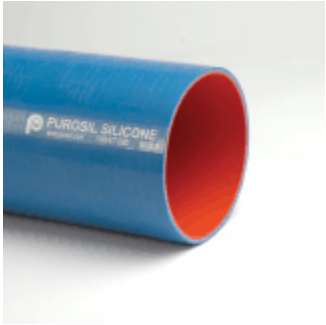
Marine Flex Hose: Convoluted Smooth Bore

Description: Convoluted Smooth Bore for a flexible fit in wet exhaust marine applications. Product meets SAE J2006 compliant for reliability and safety and available up to 5 inch ID. High-quality 2 ply woven polyester reinforcement. Recommended for temperatures: -65°F to 350°F (-53.9°C to 176.6°C).

Convoluted Smooth Bore

Part #	ID (inches)	Plys	Standard Lengths
92MAR-100-144	1	2	36" or 144"
92MAR-125-144	1.25	2	36" or 144"
92MAR-131-144	1.31	2	36" or 144"
92MAR-138-144	1.38	2	36" or 144"
92MAR-150-144	1.5	2	36" or 144"
92MAR-162-144	1.62	2	36" or 144"
92MAR-175-144	1.75	2	36" or 144"
92MAR-187-144	1.87	2	36" or 144"
92MAR-200-144	2	2	36" or 144"
92MAR-225-144	2.25	2	36" or 144"
92MAR-238-144	2.38	2	36" or 144"
92MAR-250-144	2.5	2	36" or 144"
92MAR-262-144	2.62	2	36" or 144"
92MAR-275-144	2.75	2	36" or 144"
92MAR-287-144	2.87	2	36" or 144"
92MAR-300-144	3	2	36" or 144"
92MAR-325-144	3.25	2	36" or 144"
92MAR-338-144	3.38	2	36" or 144"
92MAR-350-144	3.5	2	36" or 144"
92MAR-362-144	3.62	2	36" or 144"
92MAR-375-144	3.75	2	36" or 144"
92MAR-400-144	4	2	36" or 144"
92MAR-425-144	4.25	2	36" or 144"
92MAR-450-144	4.5	2	36" or 144"
92MAR-450-475	4.75	2	36" or 144"
92MAR-500-475	5	2	36" or 144"

Marine Straight Hose



Description
Wet exhaust straight hose for marine applications. SAE J2006 compliant for reliability and safety. Available in large bore up to 20 inches.

Feature Benefits

- Meets and exceeds SAE J2006 industry standards.
- Standard lengths: 36" and144". Special lengths available upon request.
- Available in 4 ply woven polyester reinforcement for standard bore and 6 ply for large bore.
- Recommended for temperatures: -65°F to 350°F (-53.9°C to 176.6°C).

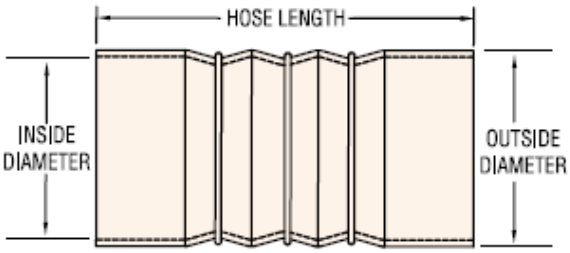
Part #	ID	Plys
70MAR-031	0.31	4
70MAR-038	0.38	4
70MAR-050	0.5	4
70MAR-062	0.62	4
70MAR-075	0.75	4
70MAR-087	0.87	4
70MAR-100	1	4
70MAR-125	1.25	4
70MAR-131	1.31	4
70MAR-138	1.38	4
70MAR-150	1.5	4
70MAR-162	1.62	4
70MAR-175	1.75	4
70MAR-187	1.87	4
70MAR-200	2	4
70MAR-225	2.25	4
70MAR-238	2.38	4
70MAR-250	2.5	4
70MAR-262	2.62	4
70MAR-275	2.75	4
70MAR-287	2.87	4
70MAR-300	3	4
70MAR-312	3.12	4
70MAR-325	3.25	4
70MAR-338	3.38	4
70MAR-350	3.5	4
70MAR-362	3.62	4
70MAR-375	3.75	4
70MAR-400	4	4
70MAR-425	4.25	4
70MAR-412	4.12	4
70MAR-450	4.5	4
70MAR-500	5	4
7060MAR-550	5.5	6
7060MAR-600	6	6
7060MAR-662	6.62	6
7060MAR-700	7	6
7060MAR-800	8	6
7060MAR-1000	10	6
7060MAR-1200	12	6
7060MAR-1400	14	6
7060MAR-1600	16	6
7060MAR-1800	18	6
7060MAR-2000-12	20	6

Charge Air Bellows - Hot Side

Charge Air Cooler (CAC) Application

Description

Designed and engineered to provide a connection between engine mounted charge air system components. Ideal for handling slight misalignments and isolating vibration between hose ends.



Feature Benefits

- 4-ply silicone aramid reinforced configuration.
- Convolutions increase flexibility in high vibration situations.
- 316 stainless steel restraining rings reduce swell and increased hoop strength.
- Recommended for temperatures: -65° to 500°F (-53.9°C to 260°C).
- Fluorocarbon liner available for increased petrochemical combustion residue resistance.
- Combines high performance and economy, UV and ozone resistant.

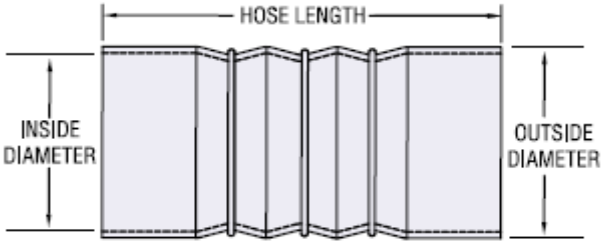
Part #	Hose ID		Hose OD		Hose Length
	Inches	mm	Inches	mm	Inches
367-250-060	2.5	63.5	2.71	69.09	6
367-300-060	3	76.2	3.22	81.79	6
367-300/350-	3.00 to 3.50 Inch Transition				6
367-350-060	3.5	88.9	3.72	94.49	6
367-350/400-	3.50 to 4.00 Inch Transition				6
367-400-060	4	101.6	4.22	107.19	6
367-400-070	4	101.6	4.22	107.19	7
367-400-075	4	101.6	4.22	107.19	7.5
367-400-080	4	101.6	4.22	107.19	8
367-450-060	4.5	114.3	4.71	119.99	6
367-450-075	4.5	114.3	4.72	119.99	7.5
367-500-060	5	127	5.22	132.59	6
367-500-070	5	127	5.22	132.59	7
367-500-080	5	127	5.22	132.59	8

Charge Air Bellows - Cold Side

Charge Air Cooler (CAC) Cold Side) Application

Description

Designed and engineered to provide a connection between engine mounted charge air system components. Ideal for handling slight misalignments and isolating vibration between hose ends.



Feature Benefits

- 4-ply silicone polyester reinforced configuration.
- Convolutions increase flexibility in high vibration situations.
- 316 stainless steel restraining rings reduce swell and increased hoop strength.
- Recommended for temperatures: -65° to +350°F (-53.9°C to +176.6°C).
- Fluorocarbon liner available for increased petrochemical combustion residue resistance.
- Combines high performance and economy.
- UV and ozone resistant.

Part #	Hose ID		Hose OD		Hose Length
	Inches	mm	Inches	mm	Inches
784-250-060	2.5	63.5	2.76	70.1	6
784-300-060	3	76.2	3.26	82.8	6
784-300/350-	3.00 to 3.50 inch Transition				6
784-350-060	3.5	88.9	3.76	95.5	6
784-350/400-	3.50 to 4.00 inch Transition				6
784-400-060	4	101.6	4.26	108.2	6
784-400-080	4	101.6	4.26	108.2	8
784-500-060	5	127	5.26	133.6	6
784-500-070	5	127	5.26	133.6	7
784-500-080	5	127	5.26	133.6	8

Purosil Silicone Hose - Injection Molded Shapes

Designed for low pressure applications in extreme temperature environments.

Purosil Takes Silicone Marine Products to the Next Level.

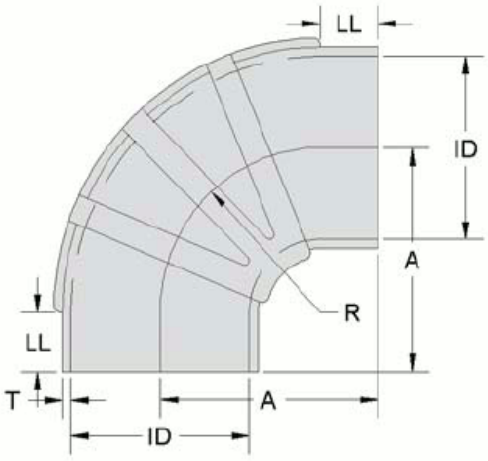
Injection molded Silicone Shapes and Profiles are now available upon request.

Note: Tooling and minimums are applicable to specific designs and volumes.

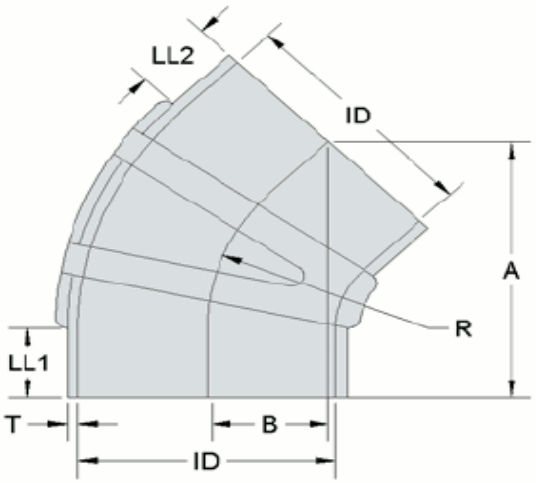
Purosil EPDM Elbows

Description: 90° and 45° EPDM air intake elbow that complies with the increased expectations of modern diesel and gas powered engines. Available for OEM and aftermarket applications.

- Specifically formulated EPDM compound.
- Available in nitrile and chloroprene and silicone compounds.
- Vacuum collapse rating exceeds 4" Hg. mercury.
- Recommended for temperatures: -60°F to +300°F duty.
- Complies with physical properties requirements of ASTM D2000 3BA715A14B13C12F17; 70 ±5 Shore A hardness, 1500 PSI Tensile, min., 250% Elongation, minimum, Air age, 70 Hrs. at 100 degrees C, Durometer Change, +10, max.,Tensile Change, -25%, max., Elongation Change, -25%, max., Comp. Set, Method B, at 70 degrees C. 25% max., Ozone Resistance, D1171, Method B, Quality Retention Rating: 100%, Low Temp. Brittleness, D2137, Method A. Non Brittle After 3 Min. at -40 degrees C.



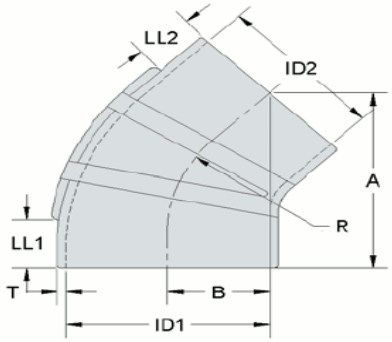
Part #	ID	A	LL	R	T
90L20	2	3.5	1.5	2	0.2
90L225	2.25	3.75	1.5	2.25	0.2
90L25	2.5	4	1.5	2.5	0.25
90L30	3	5.25	1.5	3.75	0.25
90L30WF	3	5.25	1.5	3.75	0.25
90L35	3.5	5.5	2	3.5	0.25
90L40	4	5.75	1.25	4.5	0.25
90L40SR	4	5.75	2.75	3	0.25
90L45	4.5	5.5	2	3.5	0.25
90L50	5	6.12	1.62	4.5	0.25
90L55	5.5	6.5	1.75	4.75	0.25
90L60	6	6.75	1.75	5	0.25
90L60SR	6	5	1.62	3.5	0.25
90L70	7	7.56	2	5.56	0.31
90L80	8	8.5	2	6.5	0.37
90L100	10	10.5	2	8.5	0.37



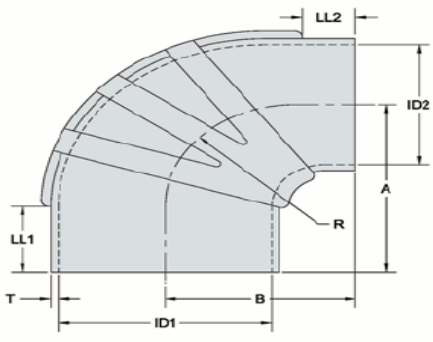
Part #	ID	A	B	LL1	LL2	R	T
45L20	2	4	1.65	1.52	1.51	2	0.2
45L225	2.25	4.12	1.72	1.5	1.47	2.25	0.2
45L25	2.5	4.31	1.79	1.5	1.48	2.5	0.2
45L30	3	5.5	2.28	1.6	1.6	3.75	0.25
45L35	3.5	5	1.88	1.68	1.2	3.5	0.25
45L40	4	5.5	2.34	1.46	1.46	4.25	0.25
45L45	4.5	5.03	2.08	1.5	1.5	3.5	0.25
45L50	5	5.5	2.28	1.36	1.36	4.5	0.25
45L55	5.5	6.25	2.6	1.7	1.7	4.75	0.25
45L60	6	6.5	2.69	1.74	1.74	5	0.25
45L70	7	8	3.31	2.34	2.34	5.56	0.31
45L80	8	8.06	3.34	2.03	2.03	6.5	0.37
45L100	10	10.5	4.35	2.63	2.63	8.5	0.37

WF: with fitting; SR: short radius;
Custom-cut lengths available.

Purosil EPDM - 45° and 90° Reducing Elbows



45° Reducing Elbow



90° Reducing Elbow

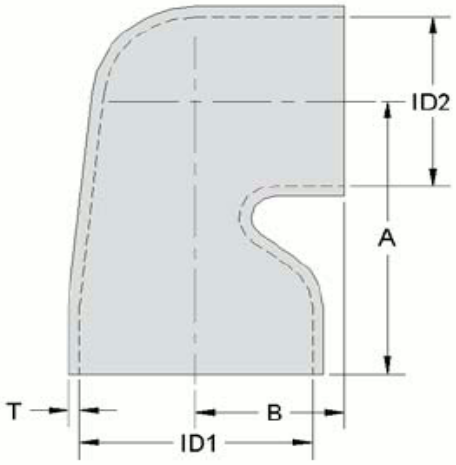
Part #	ID1	ID2	A	B	LL1	LL2	R	T
45L60R40	6	4	9.3	-	1.5	1.5	5	0.28
45L60R50	6	5	6.44	2.61	2.06	1.56	4.88	0.25
45L60R55	6	5.5	6.44	2.61	2.02	1.57	4.88	0.25
45L70R60	7	6	7.25	3.5	2	2	5.31	0.31
90L30R236	3	2.36	3	3	0.68	1	2	0.25
90L30R25	3	2.5	3	3	1	1	2	0.25
90L30LR25	3	2.5	3	5	1	2.75	2	0.25
90L35R30	3.5	3	3.25	3.5	1	1	2.25	0.25
90L35R30WF	3.5	3	3.25	3.5	1	1	2.25	0.25
90L40R275	4	2.75	6.5	1.81	1.53	1.06	1.38	0.25
90L40R30	4	3	4.5	3.62	1	0.62	3	0.25
90L40R35	4	3.5	4.5	3.62	1.25	0.62	3	0.19
90L50R40	5	4	5.75	6	1.75	1.75	3.75	0.25
90L50R40SR	5	4	8.25	3.63	1.75	1.5	3.75	0.31
90L55R35	5.5	3.5	6	4.88	2	1.37	4.35	0.31
90L55R40	5.5	4	8	3.63	2.25	1.25	2.3	0.19
90L55R50	5.5	5	5.2	6.5	1.18	2.5	4	0.25
90L60R50	6	5	7	6	1.75	1.75	4.25	0.25
90L60R50SR	6	5	4.75	4.75	1.25	1.75	3.5	0.25
90L60R55SR	6	5.5	5	5	1.38	1.63	3.5	0.25
90L60R55SR	6	5.5	6.7	6.7	1.5	1.75	5	0.25
90L70R50	7	5	7	6.25	2.74	1.75	4.25	0.25
90L70R50WF	7	5	7	6.25	2.74	1.75	4.25	0.25
90L70R55	7	5.5	5.75	6.25	1.5	1.5	3.68	0.31
90L70R60	7	6	7.5	9	3	4.5	4.38	0.38
90L70R60WF	7	6	7.5	9	3	4.5	4.38	0.38
90L80R70	8	7	8.5	8.5	2	2	6.5	0.42

WF: with fitting; SR: short radius;
Custom-cut lengths available.

Description: *45° and 90° EPDM air intake reducing elbow that complies with the increased expectations of modern diesel and gas powered engines.*

- Specifically formulated EPDM compound.
- Available in nitrile and chloroprene and silicone compounds.
- Vacuum collapse rating exceeds 4" Hg. mercury.
- Recommended for temperatures: -60°F to +300°F duty.
- Complies with ASTM D2000 3BA715A14B13C12F17; 70 ±5 Shore A hardness, 1500 PSI Tensile, min., 250% Elongation, min., Air age 70 Hrs. at 100° C, Durometer Change, +10, max.,Tensile Change, -25%, max., Elongation Change, -25%, max., Comp. Set, Method B, at 70° C. 25% max., Ozone Resistance, D1171, Method B, Quality Retention Rating: 100%, Low Temp. Brittleness, D2137, Method A. Non Brittle After 3 Min. at -40 degrees C.

Purosil EPDM - Cobra Elbows



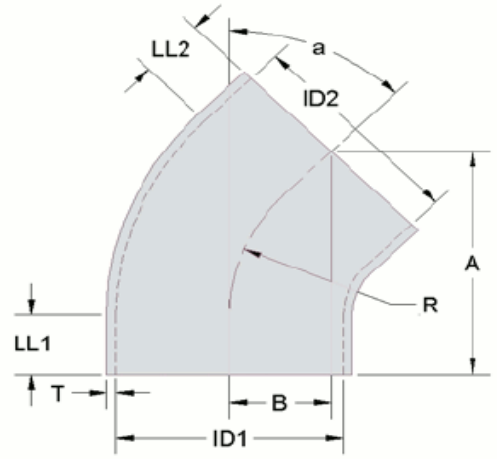
Description: *EPDM air intake cobra elbow that complies with the increased expectations of modern diesel and gas powered engines. Available for OEM and aftermarket applications.*

Feature Benefits

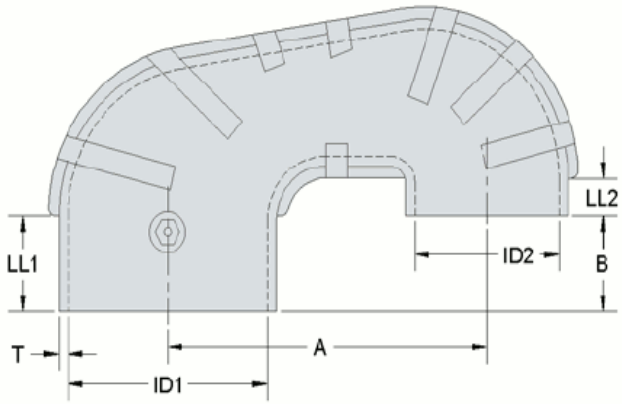
- Specifically formulated EPDM compound.
- Available in nitrile and chloroprene and silicone compounds.
- Vacuum collapse rating exceeds 4" Hg. mercury.
- Recommended for temperatures: -60°F to +300°F duty.
- Complies with physical properties requirements of ASTM D2000 3BA715A14B13C12F17.
    - 70 ±5 Shore A hardness
    - 1500 PSI Tensile, minimum.
    - 250% Elongation, minimum.
    - Air age, 70 Hrs. at 100 degrees C.
    - Durometer Change, +10, max.
    - Tensile Change, -25%, max.
    - Elongation Change, -25%, max.
    - Comp. Set, Method B, at 70 degrees C. 25% max.
    - Ozone Resistance, D1171, Method B, Quality Retention Rating: 100%
    - Low Temp. Brittleness, D2137, Method A. Non Brittle After 3 Minutes at -40 degrees C.

Part #	ID1	ID2	A	B	T
90CB25R231	2.5	2.31	3.31	1.56	0.19
90CB30	3	3	5.22	1.9	0.28
90CB40	4	4	6.44	2.69	0.25
90CB40L	4	4	6.44	3.19	0.25
90CB50R40	5	4	6.44	3.19	0.25

Purosil EPDM - Odd Angle Elbows



Odd-Angle Elbow



180° Reducing Elbow

Description: *Odd angle EPDM air intake elbow that complies with the increased expectations of modern diesel and gas powered engines. Available for OEM and aftermarket applications.*

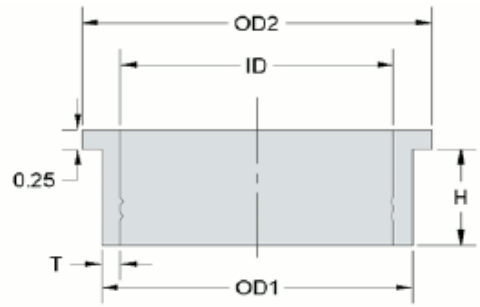
Feature Benefits

- Specifically formulated EPDM compound.
- Vacuum collapse rating exceeds 4" Hg. mercury.
- Recommended for temperatures: -60°F to +300°F duty.
- Complies with ASTM D2000 3BA715A14B13C12F17; 70 ±5 Shore A hardness, 1500 PSI Tensile, min., 250% Elongation, min., Air age 70 Hrs. at 100° C, Durometer Change, +10, max.,Tensile Change, -25%, max., Elongation Change, -25%, max., Comp. Set, Method B, at 70° C. 25% max., Ozone Resistance, D1171, Method B, Quality Retention Rating: 100%, Low Temp. Brittleness, D2137, Method A. Non Brittle After 3 Min. at -40 degrees C.

Part #	a	ID1	ID2	A	B	LL1	LL2	R	T
22L40	22	4	4	4.25	1	1.5	1.5	4	0.25
22L55	22	5.5	5.5	5	1.25	1.5	1.5	4.5	0.25
22L60	22	6	6	5.5	1.5	1.75	1.75	4.5	0.25
22L70	22	7	7	5.75	1.5	2	2	4.5	0.31
38L60	38	6	6	7.38	3	1.5	1.5	6	0.25
54L55	54	5.5	5.5	7.81	3.25	1.75	1.75	6	0.25
54L60	54	6	6	7.44	3.5	1.75	1.75	5.75	0.25
63L80	63	8	8	12	7	2	2	12	0.38
63L80R70	63	8	7	12.5	7	2	2	12.5	0.38
68L45	68	4.5	4.5	6	4	1.5	1.5	4.3	0.25
68L55	68	5.5	5.5	7.88	6.5	2	2	5.5	0.25
68L60	68	6	6	9.13	6.5	1.63	1.63	7.25	0.25
68L70	68	7	7	7.88	6	2.13	2.13	5.5	0.25
68L70R60	68	7	6	7	7	2	3.5	4	0.25
180L70R50WF	180	7	5	11.2	3	3	1.2	-	0.31

WF: with fitting;Custom-cut lengths available.

EPDM Inserts



Description: *EPDM Insert is designed to meet unique transition requirements in air intake systems*

Feature Benefits

- Specifically formulated EPDM compound.
- Available in nitrile and chloroprene and silicone compounds.
- Vacuum collapse rating exceeds 4" Hg. mercury.
- Recommended for temperatures: -60°F to +300°F duty.
- Complies with ASTM D2000 3BA715A14B13C12F17; 70 ±5 Shore A hardness, 1500 PSI Tensile, min., 250% Elongation, min., Air age 70 Hrs. at 100° C, Durometer Change, +10, max.,Tensile Change, -25%, max., Elongation Change, -25%, max., Comp. Set, Method B, at 70° C. 25% max., Ozone Resistance, D1171, Method B, Quality Retention Rating: 100%, Low Temp. Brittleness, D2137, Method A. Non Brittle After 3 Min. at -40 degrees C.

- NL designates "NO LIP". It is a straight tube.
- 80R70L - "L" designates extra long insert.
- Other combinations of inserts available upon request.

Part #	ID	OD1	OD2	H	T
20R10	1	2	2.5	1	0.5
20R15	1.5	2	2.5	1	0.25
20R175	1.75	2	2.5	1	0.13
225R20	2	2.25	2.75	1	0.13
25R125	1.25	2.5	3	1	0.63
25R175	1.75	2.5	3	1	0.38
25R20	2	2.5	3	1	0.25
25R225	2.25	2.5	3	1	0.13
30R20	2	3	3.5	1	0.5
30R225	2.25	3	3.5	1	0.38
30R236	2.36	3	3.5	1	0.32
30R244	2.44	3	3.5	1	0.28
30R25	2.5	3	3.5	1	0.25
30R275	2.75	3	3.5	1	0.13
30R275S	2.75	3	3.5	0.75	0.13
35R30	3	3.5	4	1	0.25
40R25	2.5	4	4.5	1	0.75
40R275	2.75	4	4.5	1	0.63
40R30	3	4	4.5	1	0.5
40R323	3.23	4	4.5	1	0.38
40R35	3.5	4	4.5	1.5	0.25
40R375	3.75	4	4.5	1.5	0.13
45R35	3.5	4.5	5	1.5	0.5
45R375	3.75	4.5	5	1.5	0.38
45R40	4	4.5	5	1.5	0.25
50R40	4	5	5.5	1.5	0.5
50R40NL	4	5	5	1.5	0.5
50R45	4.5	5	5.5	1.5	0.25
50R45NL	4.5	5	5	1.5	0.25
50R475	4.75	5	5.5	1.5	0.13
55R40	4	5.5	6	1.5	0.75
55R45	4.5	5.5	6	1.5	0.5
55R50	5	5.5	6	1.5	0.25
60R50	5	6	6.5	1.5	0.5
60R525	5.25	6	6.5	1.5	0.38
60R55	5.5	6	6.5	1.5	0.25
65R45	4.5	6.5	7	1.5	1
65R525	5.25	6.5	7	1.5	0.63
65R55	5.5	6.5	7	1.5	0.5
65R60	6	6.5	7	1.5	0.25
70R50	5	7	7.5	1.5	1
70R55	5.5	7	7.5	1.5	0.75
70R60	6	7	7.5	1.5	0.5
70R625	6.25	7	7.5	1.5	0.38
70R65	6.5	7	7.5	1.5	0.25
775R50	5	7.75	8.25	1.5	1.38
80R60	6	8	8.5	1.5	1
80R70	7	8	8.5	1.5	0.5
80R70L	7	8	8.5	1.8	0.5
80R75	7.5	8	8.5	1.5	0.25
90R80	8	9	9.5	1.5	0.5
110R100	10	11	11.5	1.5	0.5
130R120	12	13	13.5	1.5	0.5

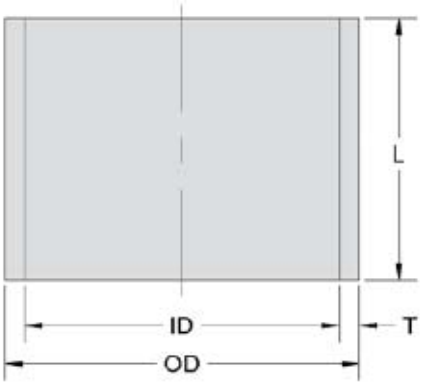
EPDM Straight Sleeve

Description

EPDM Sleeve provides standard connections for an air intake system.

Feature Benefits

- Specifically formulated EPDM compound.
- Available in nitrile and chloroprene and silicone compounds.
- Vacuum collapse rating exceeds 4" Hg. mercury.
- Recommended for temperatures: -60°F to +300°F duty.



Part #	ID	OD	L	T
S200X250	2	2.5	2.5	0.19
S200X900	2	2.38	9	0.19
S300X300	3	3.38	3	0.19
S400X350	4	4.5	3.5	0.25
S400X510	4	4.5	5.1	0.25
S500X350	5	5.5	3.5	0.25
S550X400	5.5	6	4	0.25
S600X350	6	6.5	3.5	0.25
S700X350	7	7.5	3.5	0.25
S800X350	8	8.5	3.5	0.25
S900X350	9	9.5	3.5	0.25

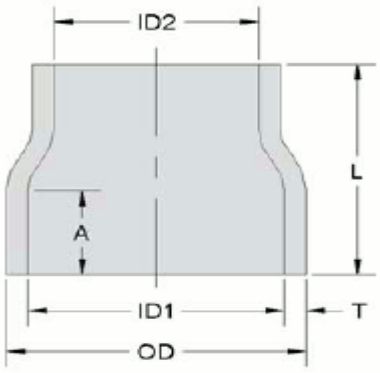
EPDM Reducing Sleeve

Description

EPDM Reducing sleeve is designed to meet unique transition requirements in air intake systems.

Feature Benefits

- Specifically formulated EPDM compound.
- Available in nitrile and chloroprene and silicone compounds.
- Vacuum collapse rating exceeds 4" Hg. mercury.
- Recommended for temperatures: -60°F to +300°F duty.



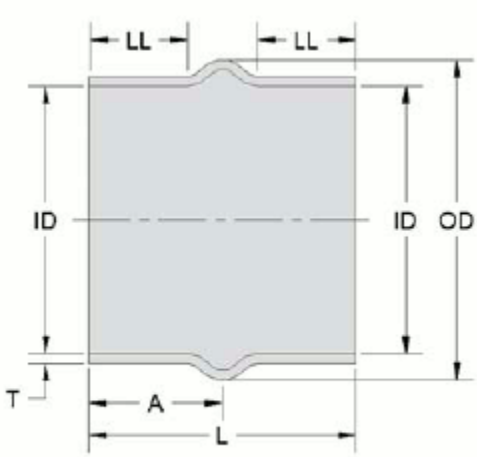
Part #	ID1	ID2	OD	L	A	T
RS20X125X25	2	1.25	2.5	2.5	1	0.25
RS20X15X25	2	1.5	2.42	2.5	1	0.21
RS20X17X25	2	1.75	2.42	2.5	1	0.21
RS225X20X25	2.25	2	2.67	2.5	1	0.21
RS25X20X25	2.5	2	2.92	2.5	1	0.21
RS25X225X25	2.5	2.25	2.92	3.5	1	0.21
RS30X20X35	3	2	3.5	3.5	1	0.25
RS375X35X35	3.75	3.5	4.25	3.5	1	0.25
RS438X375X35	4.38	3.75	4.88	3.5	1	0.25
RS45X425X35	4.5	4.25	5	3.5	1.25	0.25
RS70X625X35	7	6.25	7.5	3.5	1.25	0.2

Single Hump EPDM

***Description**: Single Hump EPDM provides standard connections for an air intake system that require articulation or vibration isolation.*

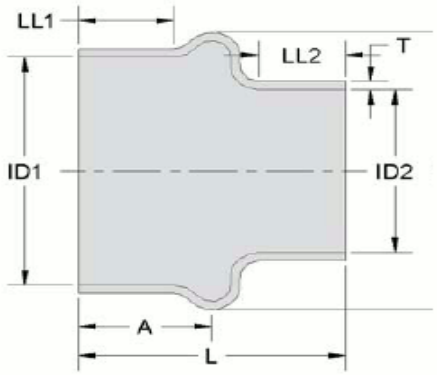
Feature Benefits

- Specifically formulated EPDM compound.
- Available in nitrile and chloroprene and silicone compounds.
- Vacuum collapse rating exceeds 4" Hg. mercury.
- Recommended for temperatures: -60°F to +300°F duty.
- Complies with physical properties of ASTM D2000 3BA715A14B13C12F17.

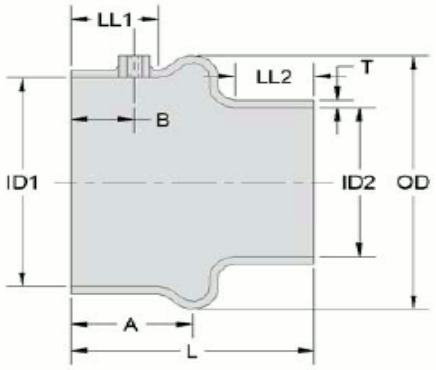


Part #	ID	L	A	LL	OD	B	T
25H25	2.5	3.5	1.75	1.1	3.65	-	0.2
3H3	3	5.25	2.62	1.87	4.5	-	0.25
35H35	3.5	5.25	2.62	1.92	5	-	0.25
4H4	4	5.25	2.63	2	5.25	-	0.25
45H45	4.5	6	3	2.32	5.88	-	0.25
5H5	5	6	3	2.25	6.1	-	0.25
55H55	5.5	6	3	2.13	7	-	0.25
6H6S	6	4	2	1.32	7.38	-	0.25
6H6	6	6	3	2.25	7.38	-	0.25
6H6L	6	7	3.5	2.75	7.38	-	0.25
7H7	7	7	3.5	2.58	8.3	-	0.25
7H7WF	7	7	3.5	2.58	8.3	2	0.25
8H8S	8	5	2.5	1.35	10	-	0.31
8H8	8	8	4	2.86	10	-	0.28
10H10	10	6	3	1.67	12.2	-	0.25

Reducing Hump EPDM



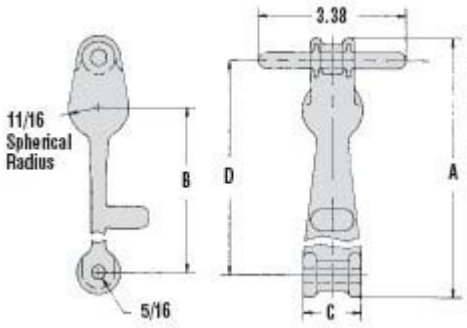
Reducing Hump Hose



Reducing Hump Hose with fitting

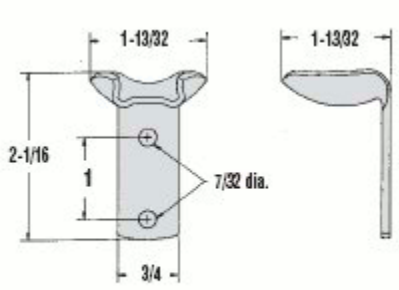
Part #	ID1	ID2	L	A	LL1	LL2	OD	B	T
3H236	3	2.36	6	3	2.35	2.25	4.25	-	0.25
3H25	3	2.5	4.5	2.25	1.6	1.51	4.25	-	0.25
3H275	3	2.75	3.5	1.75	1.09	1.06	4.38	-	0.25
35H25	3.5	2.5	6	3.13	2	2	5	-	0.25
35H275	3.5	2.75	4	2.25	1.59	1.06	4.88	-	0.25
35H3	3.5	3	5	2.5	1.79	1.75	5	-	0.25
4H275	4	2.75	4	1.75	1.57	1.06	5.5	-	0.25
4H3	4	3	5.25	2.63	1.94	1.88	5.38	-	0.25
4H35	4	3.5	5.25	2.63	1.94	1.88	5.38	-	0.25
45H4	4.5	4	6	3	2.13	2.03	6	-	0.25
5H4	5	4	6	3	2.13	1.81	6.25	-	0.25
55H4	5.5	4	6	3	2.13	1.88	7	-	0.25
55H5	5.5	5	6	3	2.13	1.88	7	-	0.25
6H5	6	5	6	3	2.13	1.88	7.5	-	0.25
6H5WF	6	5	6	3	2.13	1.88	7.5	1.5	0.25
6H55	6	5.5	6	3	2.13	1.88	7.5	-	0.25
7H5	7	5	7	3.5	2.5	2.28	8.5	-	0.25
7H5WF	7	5	7	3.5	2.5	2.25	8.5	1.83	0.25
7H55	7	5.5	7	3.5	2.5	2.28	8.5	-	0.25
7H55WF	7	5.5	7	3.5	2.5	2.28	8.5	1.83	0.25
7H6	7	6	6	2.75	2.25	1.53	8.5	-	0.25
7H6WF	7	6	6	3.25	2.25	1.52	8.3	1.56	0.25
8H55	8	5.5	7.05	3.5	2.5	2.25	9.6	-	0.25
8H6	8	6	6	3	2	1.75	9.6	-	0.25
8H6WF	8	6	6	3	2	1.75	9.6	1.63	0.25
8H7	8	7	6	3	2	1.78	9.5	-	0.25
10H8	10	8	6	3	2	1.75	11.6	-	0.25

Hood Hooks and Kits

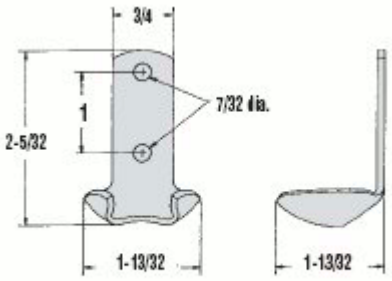


Part Number	A	B	C	D	Anti-Rattle
2900-009	5-7/8	3-3/4	1-5/16	4-7/8	No
2900-207	5-7/8	3-3/4	1-5/16	4-7/8	Yes
2900-306	8	5-7/8	1-5/16	7	Yes

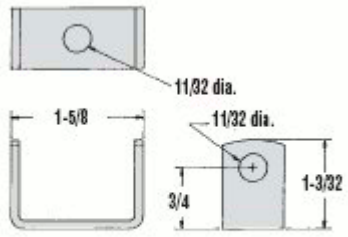
Brackets



2999-050 • Bracket, Stem-Down



2999-043 • Bracket, Stem-Up



2999-035 • Anchor Bracket

Kits

2900-017	5-7/8" Tiedown Hood Hook Kit
2900-009	5-7/8" Tiedown Strap w/o anti-rattle nub
2999-019	5/16" 24NF x 2" Bolt
2999-027	5/16 x 24 Nylon Locknut
2999-035	1-5/8" Anchor Bracket
2999-043	2-5/32" Bracket, stem-up

2900-025	5-7/8" Tiedown Hood Hook Kit
2900-009	5-7/8" Tiedown Strap w/o anti-rattle nub
2999-019	5/16" 24NF x 2" Bolt
2999-027	5/16 x 24 Nylon Locknut
2999-035	1-5/8" Anchor Bracket
2999-050	2-1/16" Bracket, stem-down

2900-215	5-7/8" Tiedown Hood Hook Kit
2900-207	5-7/8" Tiedown Strap w/anti-rattle nub
2999-019	5/16" 24NF x 2" Bolt
2999-027	5/16 x 24 Nylon Locknut
2999-035	1-5/8" Anchor Bracket
2999-043	2-5/32" Bracket, stem-up

2900-223	5-7/8" Tiedown Hood Hook Kit
2900-207	5-7/8" Tiedown Strap w/anti-rattle nub
2999-019	5/16" 24NF x 2" Bolt
2999-027	5/16 x 24 Nylon Locknut
2999-035	1-5/8" Anchor Bracket
2999-050	2-1/16" Bracket, stem-down

2900-322	8" Tiedown Hood Hook Kit
2900-306	8" Tiedown Strap w/anti-rattle nub
2999-019	5/16" 24NF x 2" Bolt
2999-027	5/16 x 24 Nylon Locknut
2999-035	1-5/8" Anchor Bracket
2999-050	2-5/32" Bracket, stem-down

Silicone Knit Hose

Description
Purosil's silicone knit hose provides a quality solution, for standard coolant and air management applications. The fabrication process is dynamic and consists of a multitude of geometrical design options. In respect to operational conditions, all hoses are capable of meeting either standard temperatures of (-65F to 350F) polyester reinforcement, or (-65F to 500F) utilizing Aramid reinforcement. Meets both SAE J20R3 and SAE J20R4 specifications.

Note: Tooling charges and order minimums are applicable to specific designs and volumes.

Feature Benefits

- Custom Shapes
- Low tooling cost
- Low minimun order quantities
- SAE J20R4 and SAE J20R3 compliance
- Optional wire reinforcment available

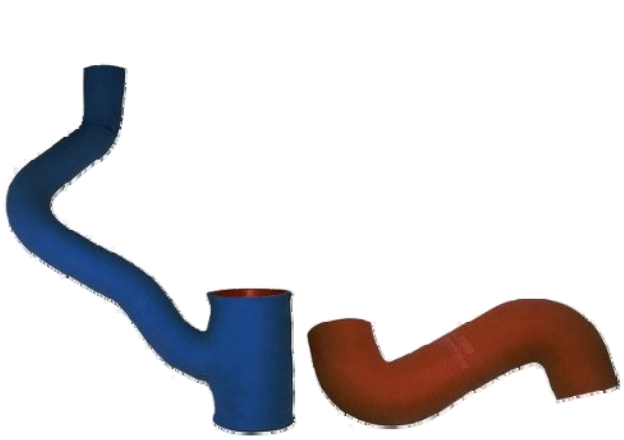
Silicone Hose Designed with Fluorocarbon Barriers

Purosil LLC fluorocarbon lined hoses are designed to resist aromatic and aliphatic hydrocarbons as well as alcohols, water, and fuel additives. The fluorocarbon elastomer provides an excellent barrier to hydrocarbons and a volume swell of less than 5% in diesel fuel. The Purosil design offers an excellent chemical bond between the Fluorocarbon liner and the silicone rubber composite structure. The continuous operating temperature is 235°C or 455°F, and the low temperature brittleness point is -43°C or -45°F.

The combination of aramid fabric, silicone rubber and the Fluorocarbon liner, provides excellent performance and enhanced features for the new generation of EPA compliant Truck and diesel engine hoses.

Silicone Formed Hose

Description: *Formed hose can be made in a wide range of arbitrary shapes with Aramid or Polyester reinforcement layers. Custom designed to meet difficult and demanding OEM applications.*



Feature Benefits

- Complex Custom Shapes
- Tee's, bends, and diameter changes
- Excellent flexibility.
- Aramid or Polyester reinforcement
- UV and ozone resistant.
- Fluorocarbon liner available for increased petrochemical combustion residue resistance.
- Custom ply configurations available to meet flexibility and burst requirements.

Note: Tooling charges and order minimums are applicable to specific designs and volumes.

EPDM Straight Coolant Hose – High Temperature

KoolBlu™ is designed for HEAVY DUTY USE and DEMANDING FLEET SERVICE on trucks, buses, off-road equipment, stationary engines and marine applications. Purosil's engineers have designed and custom formulated these hoses to give highest temperature range possible in a EPDM hose, 300°F continuous.

SPECIFICATIONS

Cover: Specially formulated EPDM resists heat, ozone, and abrasion damage.

Reinforcement: Two wrapped plies of high tensile fabric gives exceptional strength for higher burst pressures and longer service life.

Tube: Specially formulated EPDM resists compression set and provides superior sealing and leak resistance. It exceeds the SAE EC (electrochemical) resistance standards which resist tube serrations and cracking, thus reducing premature hose failures. Both tube and cover are compatible with all coolants, including long life and environmentally friendly coolants.

SAE: SAE 20R1 Class D-3, HT, Type EC

Temperature rating: Continuous: -40°F to 300°F (-40°C to 150°C)

Packaging: Available in three foot lengths.

KoolBlu™ Continued …

Part Number	Hose ID inch	Hose ID mm	Hose OD* inch	Hose OD* mm	Min. Burst Pressure (psi)
72EP-050-36	1/2	13	0.89	23	425
72EP-075-36	3/4	19	1.14	29	325
72EP-087-36	7/8	22	1.27	32	325
72EP-100-36	1	25	1.27	35	299
72EP-112-36	1-1/8	29	1.52	39	299
72EP-125-36	1-1/4	32	1.64	42	276
72EP-138-36	1-3/8	35	1.77	45	276
72EP-150-36	1-1/2	38	1.89	48	249
72EP-162-36	1-5/8	41	2.01	51	249
72EP-175-36	1-3/4	44	2.14	54	225
72EP-187-36	1-7/8	48	2.27	58	200
72EP-200-36	2	51	2.39	61	200
72EP-212-36	2-1/8	54	2.52	64	175
72EP-225-36	2-1/4	57	2.64	67	175
72EP-238-36	2-3/8	60	2.77	70	175
72EP-250-36	2-1/2	64	2.89	74	149
72EP-262-36	2-5/8	67	3.01	77	125
72EP-275-36	2-3/4	70	3.14	80	125
72EP-287-36	2-7/8	73	3.27	83	87
72EP-300-36	3	76	3.39	86	87
72EP-312-36	3-1/8	79	3.52	89	75
72EP-325-36	3-1/4	83	3.64	93	75
72EP-350-36	3-1/2	89	3.89	99	75
72EP-375-36	3-3/4	95	4.14	105	49
72EP-400-36	4	102	4.39	112	49
72EP-450-36	4-1/2	114	4.89	124	35

These dimensions are nominal and reference only to aid in clamp selection. Actual can vary based on SAE tolerances.

Silicone Hose Clamps

Wave Seal 360™

- Heavy-duty constant tension clamp
- Compact/low profile
- Designed for fluid and air-to-air applications
- Unique 360° sealing pattern responds to
- pressure and temperature changes
- 9/16" band width
- 300 Series stainless steel spring liner

Part Number	Clamping Range (in)
PCL-16WS	.81-1.31
PCL-20WS	1.03-1.56
PCL-24WS	1.19-1.81
PCL-28WS	1.34-2.06
PCL-32WS	1.53-2.31
PCL-34WS	1.61-2.44
PCL-36WS	1.69-2.56
PCL-40WS	1.81-2.81
PCL-44WS	2.03-3.06
PCL-48WS	2.19-3.31
PCL-52WS	2.34-3.56
PCL-56WS	2.53-3.81
PCL-60WS	2.64-4.06
PCL-64WS	2.81-4.31
PCL-72WS	3.19-4.81
PCL-80WS	3.53-5.31
PCL-88WS	3.81-5.81
PCL-104WS	4.87-6.81

Constant Torque

- Belleville spring design eliminates cold flow leakage
- Excellent choice for fluctuating temperature applications
- Compensates for thermal expansion and contraction
- 300 Series stainless steel, smooth bore band

Part Number	Clamping Range (in)
PCL-010CT-056	0.56-1.06
PCL-012CT-056	0.63-1.25
PCL-016CT-056	0.81-1.25

Installation Torque: 65-75"/lbs. • 9/16" Band

PCL-175CT-062	1.00-1.75
PCL-200CT-062	1.25-2.13
PCL-250CT-062	1.75-2.63
PCL-300CT-062	2.25-3.13
PCL-350CT-062	2.75-3.63
PCL-400CT-062	3.25-4.13
PCL-450CT-062	3.75-4.63
PCL-500CT-062	4.25-5.13
PCL-550CT-062	4.75-5.63
PCL-600CT-062	5.25-6.13

Installation Torque: 70-90"/lbs. • 5/8" Band

Silicone Hose Clamps

Spring Loaded T-Bolt

- Helical spring design compensates for pressure and temperature changes
- Excellent choice for air-to-air (CAC and Turbo) applications
- 300 Series stainless steel, smooth bore band
- Designed for use in high vibration applications

Part Number	Clamping Range (in)
PCL-225TB-S	2.25-2.56
PCL-275TB-S	2.75-3.06
PCL-300TB-S	3.00-3.31
PCL-306TB-S	3.06-3.37
PCL-325TB-S	3.25-3.56
PCL-356TB-S	3.56-3.87
PCL-406TB-S	4.06-4.37
PCL-425TB-S	4.25-4.56
PCL-456TB-S	4.56-4.87
PCL-500TB-S	5.00-5.31
PCL-525TB-S	5.25-5.56
PCL-550TB-S	5.50-5.81
PCL-575TB-S	5.75-6.06

Installation Torque: 65-75"/lbs.

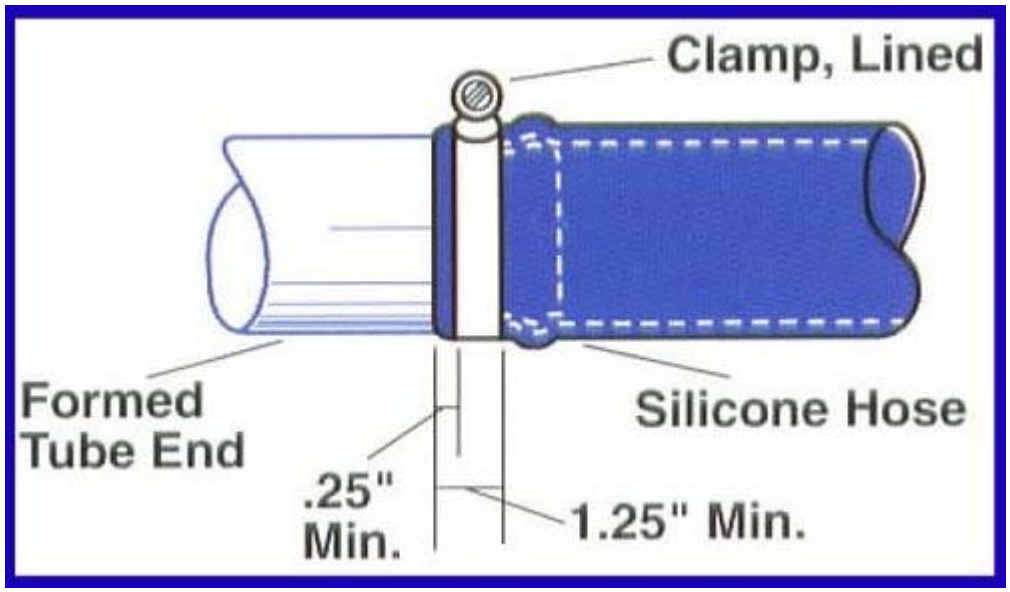
Heavy Duty - Spring Loaded T-Bolt

HEAVY DUTY Part Number	Clamping Range (in)
PCL-413TB-HDS	4.13-4.44

Installation Torque: 45-55"/lbs.

Clamping Instructions

Worm Gear and Constant Torque (CT)



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.

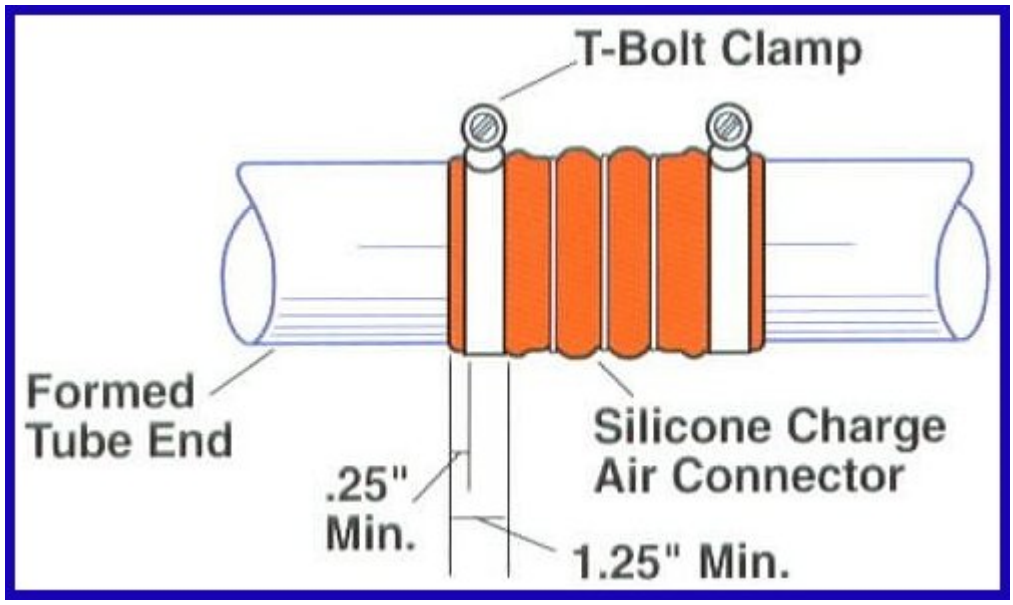
If re-torquing is required, it should be limited to 20 inch-lbs.

Do not use serrated, slotted, or wire type clamps.

Recommended bead specifications MS-33660 or SAE J 1231

Clamping Instructions

Worm Gear and Constant Torque (CT)



Constant torque T-bolt style clamps may help to retain clamp load.

Torque to 70-75 in - lbs.

Note: for Charge Air Cooler Hose (CAC) use only T-bolt style clamps.

Recommended bead specifications are MS-33660 or SAE J 1231.

Pressure Conversion Table from either Psi or Bar

psi	BAR	KPa	Atm	Bar	psi	Kpa	Atm
1	0.1	7	0.1	1	15	100	1.0
10	0.7	69	0.7	2	29	200	2.0
20	1.4	138	1.4	3	44	300	3.0
30	2.1	207	2.0	4	58	400	4.0
40	2.8	276	2.7	5	73	500	4.9
50	3.4	345	3.4	6	87	600	5.9
60	4.1	414	4.1	7	102	700	6.9
70	4.8	483	4.8	8	116	800	7.9
80	5.5	552	5.4	9	131	900	8.9
90	6.2	621	6.1	10	145	1,000	9.9
100	6.9	689	6.8	15	218	1,500	14.8
150	10.3	1,034	10.2	20	290	2,000	19.7
200	13.8	1,379	13.6	25	363	2,500	24.7
250	17.2	1,724	17.0	30	435	3,000	29.6
300	20.7	2,068	20.4	35	508	3,500	34.5
350	24.1	2,413	23.8	40	580	4,000	39.5
400	27.6	2,758	27.2	45	653	4,500	44.4
450	31.0	3,103	30.6	50	725	5,000	49.4
500	34.5	3,447	34.0	100	1,450	10,000	98.7
550	37.9	3,792	37.4	150	2,175	15,000	148.0
600	41.4	4,137	40.8	200	2,901	19,999	197.4
650	44.8	4,482	44.2	250	3,626	24,999	246.7
700	48.3	4,826	47.6	300	4,351	29,999	296.1
750	51.7	5,171	51.0	350	5,076	34,999	345.4
800	55.2	5,516	54.4	400	5,801	39,999	394.8
850	58.6	5,861	57.8	450	6,526	44,999	444.1
900	62.1	6,205	61.2	500	7,252	49,999	493.5
950	65.5	6,550	64.6	550	7,977	54,998	542.8
1000	69.0	6,895	68.1	600	8,702	59,998	592.2
1100	75.8	7,584	74.9	650	9,427	64,998	641.5
1200	82.7	8,274	81.7	700	10,152	69,998	690.9
1300	89.6	8,963	88.5	750	10,877	74,998	740.2
1400	96.5	9,653	95.3	800	11,603	79,998	789.6
1500	103.4	10,342	102.1	850	12,328	84,998	838.9
1600	110.3	11,032	108.9	900	13,053	89,997	888.3
1700	117.2	11,721	115.7	950	13,778	94,997	937.6

Conversion factors: 1 psi = 0.06895 bar, 1 bar = 14.50326 psi, 1 psi = 6.8948 KPa

FRACTION - DECIMAL - MILLIMETER CONVERSION

FRACTION	DECIMAL	MILLIMETER
1/64	.016	.396
1/32	.031	.793
3/64	.047	1.190
1/16	.063	1.587
5/64	.078	1.984
3/32	.094	2.381
7/64	.109	2.778
1/8	.125	3.175
9/64	.141	3.571
5/32	.156	3.968
11/64	.172	4.365
3/16	.188	4.762
13/64	.203	5.159
7/32	.219	5.556
15/64	.234	5.953
1/4	.250	6.350
17/64	.266	6.746
9/32	.281	7.143
19/64	.297	7.540
5/16	.313	7.937
21/64	.328	8.334
11/32	.344	8.731
23/64	.359	9.128
3/8	.375	9.525
25/64	.391	9.921
13/32	.406	10.318
27/64	.422	10.715
7/16	.438	11.112
29/64	.453	11.509
15/32	.469	11.906
31/64	.484	12.303
1/2	.500	12.700

FRACTION	DECIMAL	MILLIMETER
33/64	.516	13.096
17/32	.531	13.493
35/64	.547	13.890
9/16	.563	14.287
37/64	.578	14.684
19/32	.594	15.081
39/64	.609	15.478
5/8	.625	15.875
41/64	.641	16.271
21/32	.656	16.668
43/64	.672	17.065
11/16	.688	17.462
45/64	.703	17.859
23/32	.719	18.256
47/64	.734	18.653
3/4	.750	19.050
49/64	.766	19.446
25/32	.781	19.843
51/64	.797	20.240
13/16	.813	20.637
53/64	.828	21.034
27/32	.844	21.431
55/64	.859	21.828
7/8	.875	22.225
57/64	.891	22.621
29/32	.906	23.018
59/64	.922	23.415
15/16	.938	23.812
61/64	.953	24.209
31/32	.969	24.606
63/64	.984	25.003
1	1.00	25.400

Fahrenheit – Celsius Conversion Chart

°C	°F
40	-40
39	38.2
37	34.6
36	32.8
35	31
34	29.2
32	25.6
31	23.8
30	22
29	20.2
27	16.6
26	14.8
25	13
24	11.2
22	7.6
21	5.8
20	4
19	2.2
17	1.4
16	3.2
15	5
14	6.8
12	10.4
11	12.2
10	14
9	15.8
7	19.4
6	21.2
5	23
4	24.8
2	28.4
-1	30.2
0	32
1	33.8
3	37.4
4	39.2
5	41
6	42.8
8	46.4
9	48.2

°C	°F
10	50
11	51.8
13	55.4
14	57.2
15	59
16	60.8
18	64.4
19	66.2
20	68
21	69.8
23	73.4
24	75.2
25	77
26	78.8
28	82.4
29	84.2
30	86
31	87.8
33	91.4
34	93.2
35	95
36	96.8
38	100.4
39	102.2
40	104
41	105.8
43	109.4
44	111.2
45	113
46	114.8
48	118.4
49	120.2
50	122.2
51	123.8
53	127.4
54	129.2
55	131
56	132.8
58	136.4
59	138.2

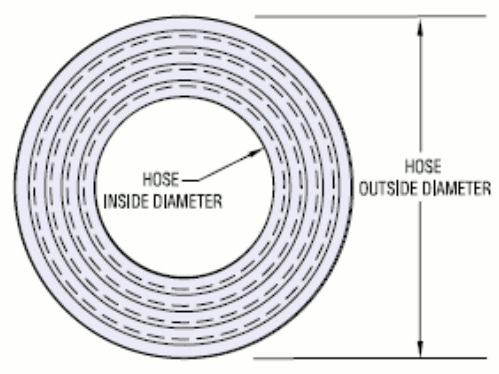
°C	°F
60	140
61	141.8
63	145.4
64	147.2
65	149
66	150.8
68	154.4
69	156.2
70	158
71	159.8
73	163.4
74	165.2
75	167
76	168.8
78	172.4
79	174.2
80	176
81	177.8
83	181.4
84	183.2
85	185
86	186.8
88	190.4
89	192.2
90	194
91	195.8
93	199.4
94	201.2
95	203
96	204.8
98	208.4
99	210.2
100	212
101	213.8
103	217.4
104	219.2
105	221
106	222.8
108	226.4
109	228.2

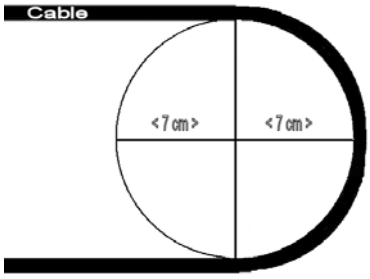
°C	°F
110	230
111	231.8
113	235.4
114	237.2
115	239
116	240.8
118	244.4
119	246.2
120	248
121	249.8
123	253.4
124	255.2
125	257
126	258.8
128	262.4
129	264.2
130	266
131	267.8
133	271.4
134	273.2
135	275
136	276.8
138	280.4
139	282.2
140	284
141	285.8
143	289.4
144	291.2
145	293
146	294.8
148	298.4
149	300.2
150	302
151	303.8
153	307.4
154	309.2
155	311
156	312.8
158	316.4
159	318.2

°C	°F
160	320
161	321.8
163	325.4
164	327.2
165	329
166	330.8
168	334.4
169	336.2
170	338
171	339.8
173	343.4
174	345.2
175	347
176	348.8
178	352.4
179	354.2
180	356
181	357.8
183	361.4
184	363.2
185	365
186	366.8
188	370.4
189	372.2
190	374
191	375.8
193	379.4
194	381.2
195	383
196	384.8
198	388.4
199	390.2
200	392
201	393.8
203	397.4
204	399.2
205	401
206	402.8
208	406.4
209	408.2

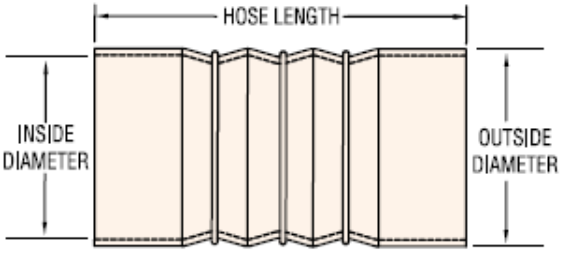
°C	°F
210	410
211	411.8
213	415.4
214	417.2
215	419
216	420.8
218	424.4
219	426.2
220	428
221	429.8
223	433.4
224	435.2
225	437
226	438.8
228	442.4
229	444.2
230	446
231	447.8
233	451.4
234	453.2
235	455
236	456.8
238	460.4
239	462.2
240	464
241	465.8
243	469.4
244	471.2
245	473
246	474.8
248	478.4
249	480.2
250	482
251	483.8
253	487.4
254	489.2
255	491
256	492.8
258	496.4
259	498.2

Basic Hose Dimensions: Images & Descriptions

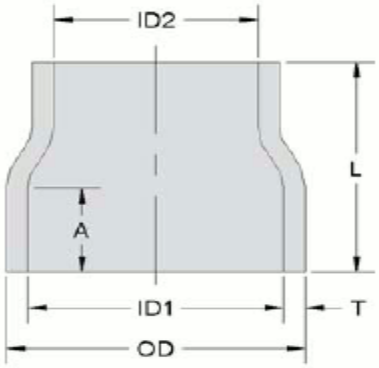




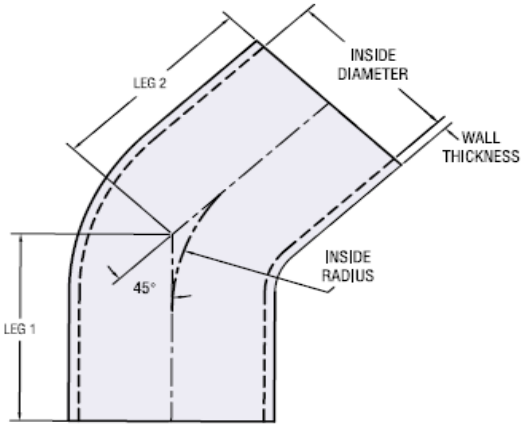
BEND RADIUS MINIMUM: the smallest bend radius at which the hose can be used without it kinking. The smaller the bend radius, the greater the material flexibility.

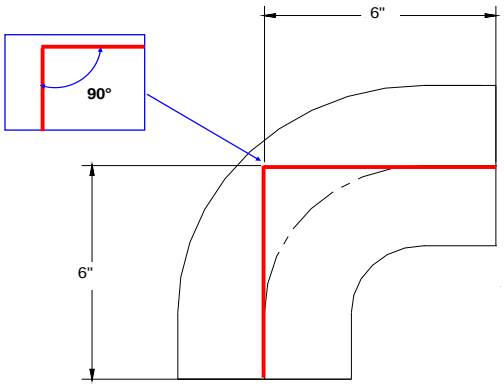


CHARGE AIR COOLER HOSE (CAC): the convoluted shape is designed to handle slight misalignments and to isolate vibration between hose ends, the rings prevent excessive expansion from charge air pressure.



TRANSITION or REDUCER DIMENSIONS





LEG LENGTH: this refers to a measurement on an elbow from the apex of the radius to the edge of the hose. Elbows sometimes require one leg longer than the other. The picture above shows a Leg Length of 6".