

# Oetiker Quick Connectors

Innovative technology  
meets superior performance



Aftermarket

Oil Cooler & Radiator  
Transmission Oil Cooling  
Engine Oil Cooling  
Turbocharger Cooling & Oil Supply

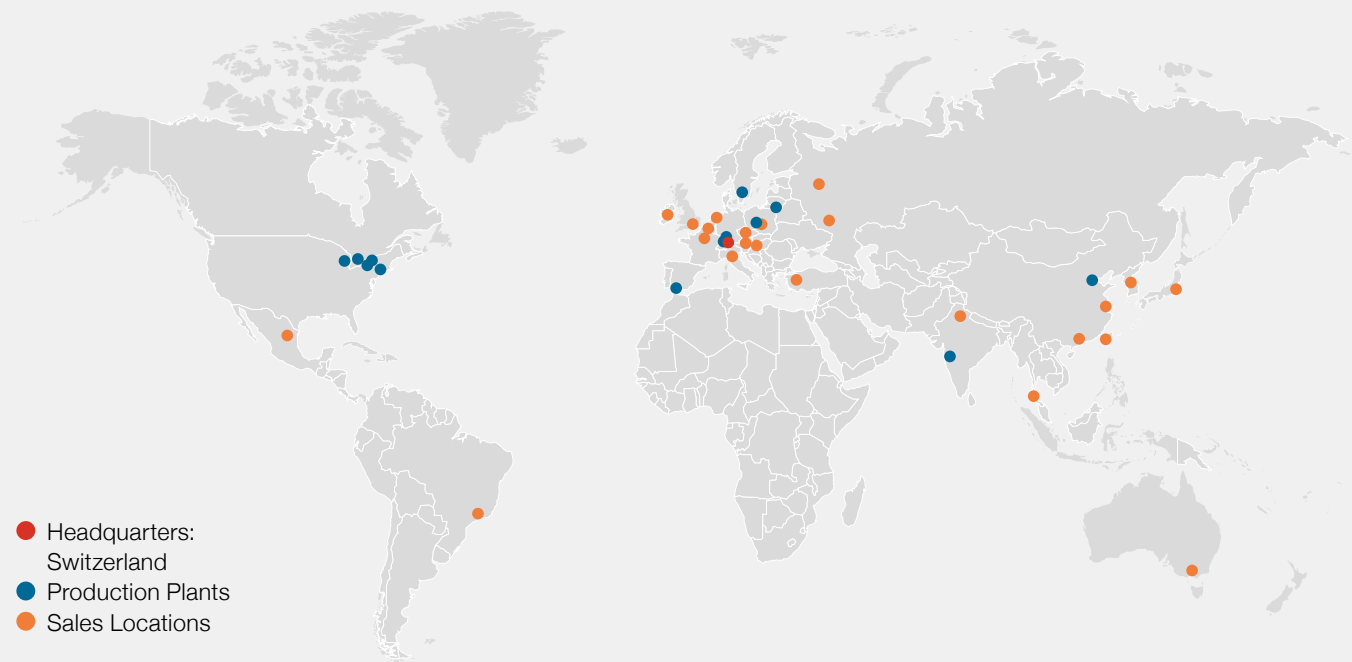


Reliable Connections

# A global manufacturer of high-end connecting solutions



# Global footprint with local finger prints



## Market leading Quick Connectors now offered with Oetiker peace of mind

### Jiffy-tite is now Oetiker.

Oetiker acquired Jiffy-tite in 2016, expanding Oetiker's portfolio of connecting solutions with the market leading Jiffy-tite metallic quick connectors. Now branded Oetiker, the quick connectors offer peace of mind for OEM and aftermarket powertrain oil cooling and lubrication applications alike. With Oetiker's expansive network of global sales engineers, technical customer support, and committed customer service, our clamps, tools and quick connectors, are more accessible to the aftermarket sector coast to coast and around the world than ever before.

## Oetiker is a global provider of connecting and assembly solutions for vehicles and industrial applications.

Oetiker provides customers with the peace of mind that their mission-critical components are reliably connected. We are a global leader in high-end connecting solutions for the vehicle industry and for high-value applications in industrial segments. Our expertise in high-quality clamps, rings, straps and quick-connectors ranges from powertrain and drivetrain applications to medical applications. We offer engineering, prototyping and testing support to quickly create comprehensive solutions for overcoming clamping and connecting challenges. With 1800+ employees in more than 25 countries and over 75 years of experience, we are the trusted, global, long-term partner for the world's leading OEMs.

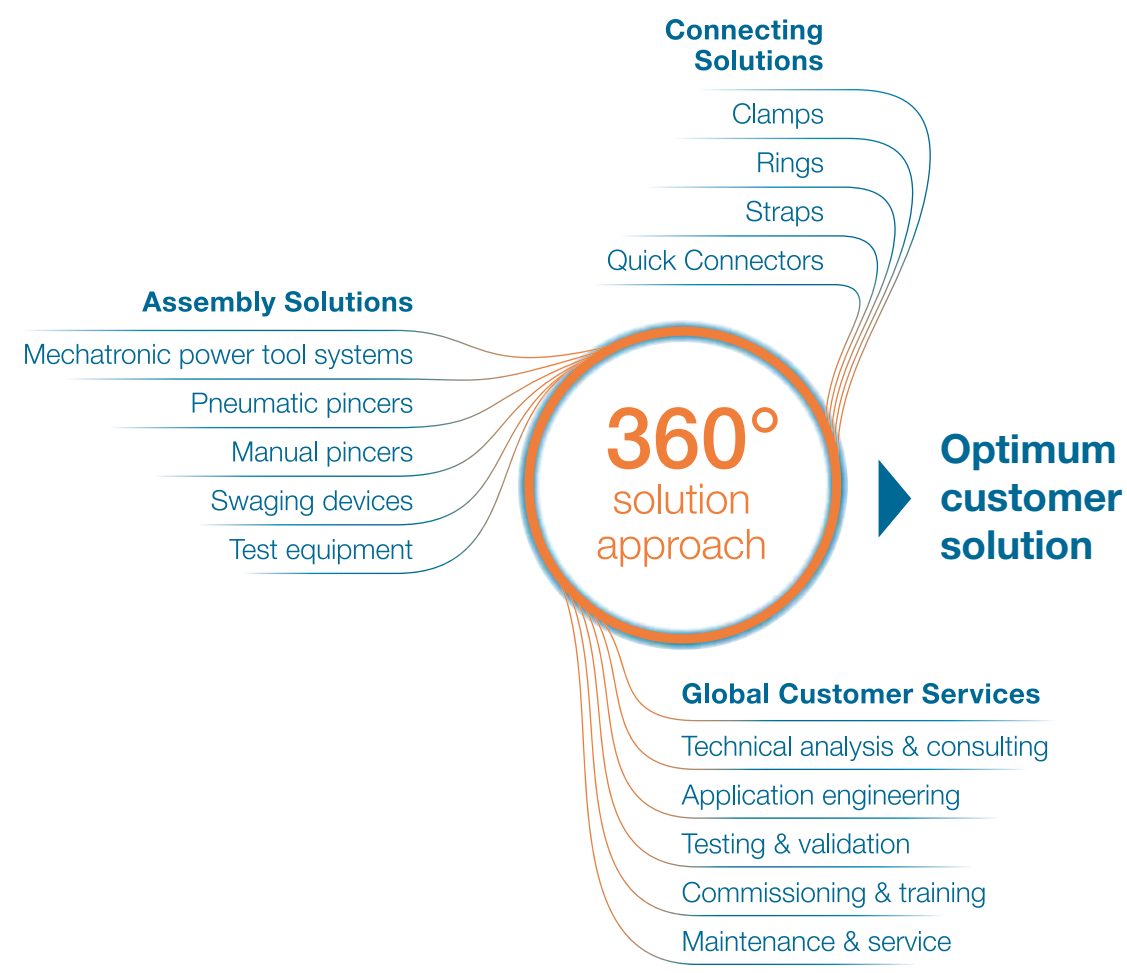
# Oetiker Quick Connector Advantages

Oetiker quick connectors provide quick and reliable connections that help reduce warranty claims and returns, improve customer satisfaction and save on installation time.

- **Reduce warranties and returns:** by using a reliable OEM replacement connector.
- **OEM design:** Oetiker aftermarket quick connectors will meet or exceed all OE requirements.
- **Quick and easy installation:** quick connectors install directly into existing oil cooling lines.

## 360° Solution Approach

Oetiker has established a 360° Solution Approach and commitment with OEM and Tier suppliers around the world. Our capabilities span the spectrum from concept to prototyping and testing through assembly. We also provide follow-up maintenance, service and training. Our engineers and support teams are driven to provide connecting solutions that meet the most challenging vehicle specifications.



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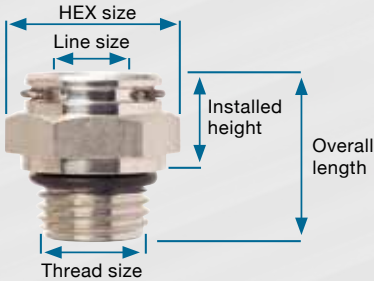
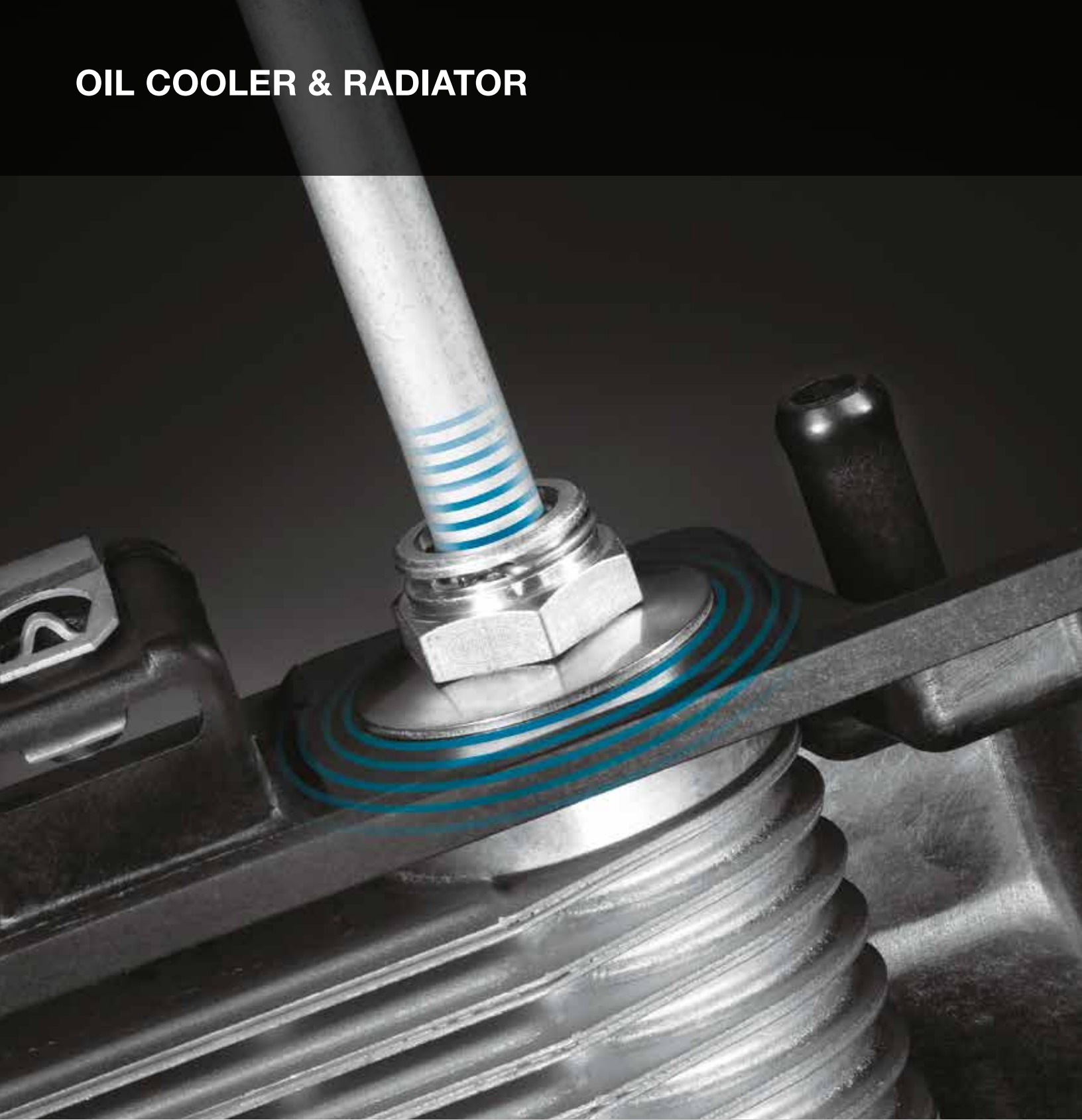
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OIL COOLER & RADIATOR



Use this reference when viewing the part descriptions.

Dimensions are in millimeters and inches.

**Installed height:** height of fitting after installation.

**Overall length:** total length of the fitting.

OIL COOLER & RADIATOR



85148 - 3/8" Aluminum QC

Dimensions

Overall Length: 20.3 mm (0.800 in)

Installed Height: 11.8 mm (0.465 in)

9/16"-18 UNF-2A Thread

3/4" Hex, Aluminum

OE Numbers

20841904, 20896017, 68034089AA,  
05290238AA



85547 - 3/8" Aluminum QC

Dimensions

Overall Length: 20.3 mm (0.800 in)

Installed Height: 11.8 mm (0.465 in)

9/16"-18 UNF-2A Thread

3/4" Hex, Aluminum

O-ring material: Ethylene Acrylic

OE Numbers

A0009973363, A 000 997 33 63



85151 - 3/8" Aluminum QC  
with Conical Washer

Dimensions

Overall Length: 20.3 mm (0.800 in)

Installed Height: 11.8 mm (0.465 in)

9/16"-18 UNF-2A Thread

3/4" Hex, Aluminum

Belleville-style spring washer

OE Numbers

15226661, 15170198, 10312883



85399 - 3/8" Steel QC

Dimensions

Overall Length: 21.5 mm (0.845 in)

Installed Height: 11.1 mm (0.435 in)

5/8"-18 UNF-2A Thread, with sealant

3/4" Hex, Plated Steel

OE Numbers

15719695, 19130039



95303 - 1/2" Steel QC

Dimensions

Overall Length: 32.3 mm (1.271 in)

Installed Height: 14.7 mm (0.58 in)

M20x1.5-6g Thread with boss seal

1" Hex, Plated Steel

Outer diameter boss seal

OE Numbers

15719697, 15768448, 25698790



85271 - 3/8" Steel QC

Dimensions

Overall Length: 20.7 mm (0.815 in)

Installed Height: 9.0 mm (0.355 in)

3/8"-18 NPTF Thread

23/32" Hex, Plated Steel

OE Number

15724728



95378 - 1/2" Aluminum QC with Conical Washer

Dimensions

Overall Length: 28.4 mm (1.118 in)

Installed Height: 17.3 mm (0.681 in)

3/4"-16 UNF-2A Thread

1" Hex, Aluminum

1/2" Plug

Belleville-style spring washer

OE Numbers

6469009, 15190249, 52498973



65002 - 5/8" Steel QC with Conical Washer

Dimensions

Overall Length: 30.9 mm (1.217 in)

Installed Height: 19.8 mm (0.784 in)

7/8"-14 UNF-2A Thread

1-1/4" Hex, Plated Steel

Belleville-style spring washer

OE Numbers

52498974, 15170197



85926 - 3/8" Aluminum QC

Dimensions

Overall Length: 25.7 mm (0.800 in)

Installed Height: 9.3 mm (0.154 in)

M18x1.5-6g Thread

3/4" Hex, (9.05 mm) Aluminum

Boss crush washer

OE Numbers

52481097, 10306808



65095 - 5/8" 39% Steel QC

Dimensions

Overall Length: 30.0 mm (1.181 in)

Installed Height: 19.0 mm (0.748 in)

7/8"-14 UNF-2A Thread

1-1/4" Hex, Plated Steel

39% 5/8" Retainer

OE Numbers

89040281, 52493008



65176 - 5/8" Aluminum QC with Conical Washer

Dimensions

Overall Length: 30.9 mm (1.217 in)

Installed Height: 19.9 mm (0.784 in)

7/8"-14 UNF-2A Thread

1-1/4" Hex, Aluminum

Belleville-style spring washer

5/8" Plug

OE Numbers

15797464, 52416321



65417 - 5/8" Plastic QC

Dimensions

Overall Length: 52.0 mm (2.047 in)

Installed Height: 29.8 mm (1.171 in)

5/8" Hose Barb, Plastic

Plastic (color - natural, black)

OE Number

15921503



65142 - 5/8" 39% Steel QC with Conical Washer

Dimensions

Overall Length: 30.0 mm (1.181 in)

Installed Height: 19.0 mm (0.748 in)

7/8"-14 UNF-2A Thread

1-1/4" Hex, Plated Steel

39% 5/8" Retainer

Belleville-style spring washer

OE Numbers

52401608, 15194557



65017 - 5/8" 39% Steel QC

Dimensions

Overall Length: 37.6 mm (1.480 in)

Installed Height: 22.2 mm (0.875 in)

1/2"-14 NPTF Thread, with sealant

1-1/4" Hex, Plated Steel

39% 5/8" Retainer

OE Number

15738179



75056 - 3/4" Steel QC

Dimensions

Overall Length: 34.3 mm (2.350 in)

Installed Height: 21.3 mm (1.326 in)

1-1/16"-12 UN-2A Thread

1-3/8" Hex, Plated Steel

3/4" Vinyl Plug

OE Numbers

15103779, 15170935, 15865005



75002 - 3/4" Steel QC with Conical Washer

Dimensions

Overall Length: 34.3 mm (2.350 in)

Installed Height: 21.3 mm (1.326 in)

1-1/16"-12 UN-2A Thread

1-3/8" Hex, Plated Steel

Belleville-style spring washer

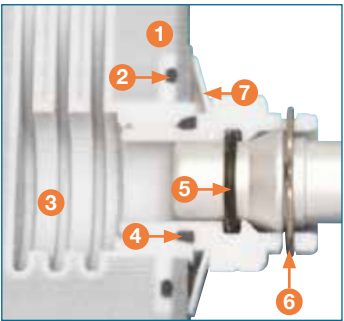
3/4" Vinyl Plug

OE Numbers

15816041, 15170914

Quick Connectors with Conical Washers

The conical washer used with a quick connector creates a simple bolt-like structure to secure the plastic radiator tanks to the aluminum cooler. When replacing a quick connector with a conical washer on a radiator, be sure to remove and replace one part at a time. This will prevent the cooler from falling inside the radiator tank.



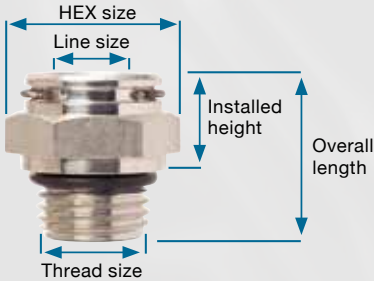
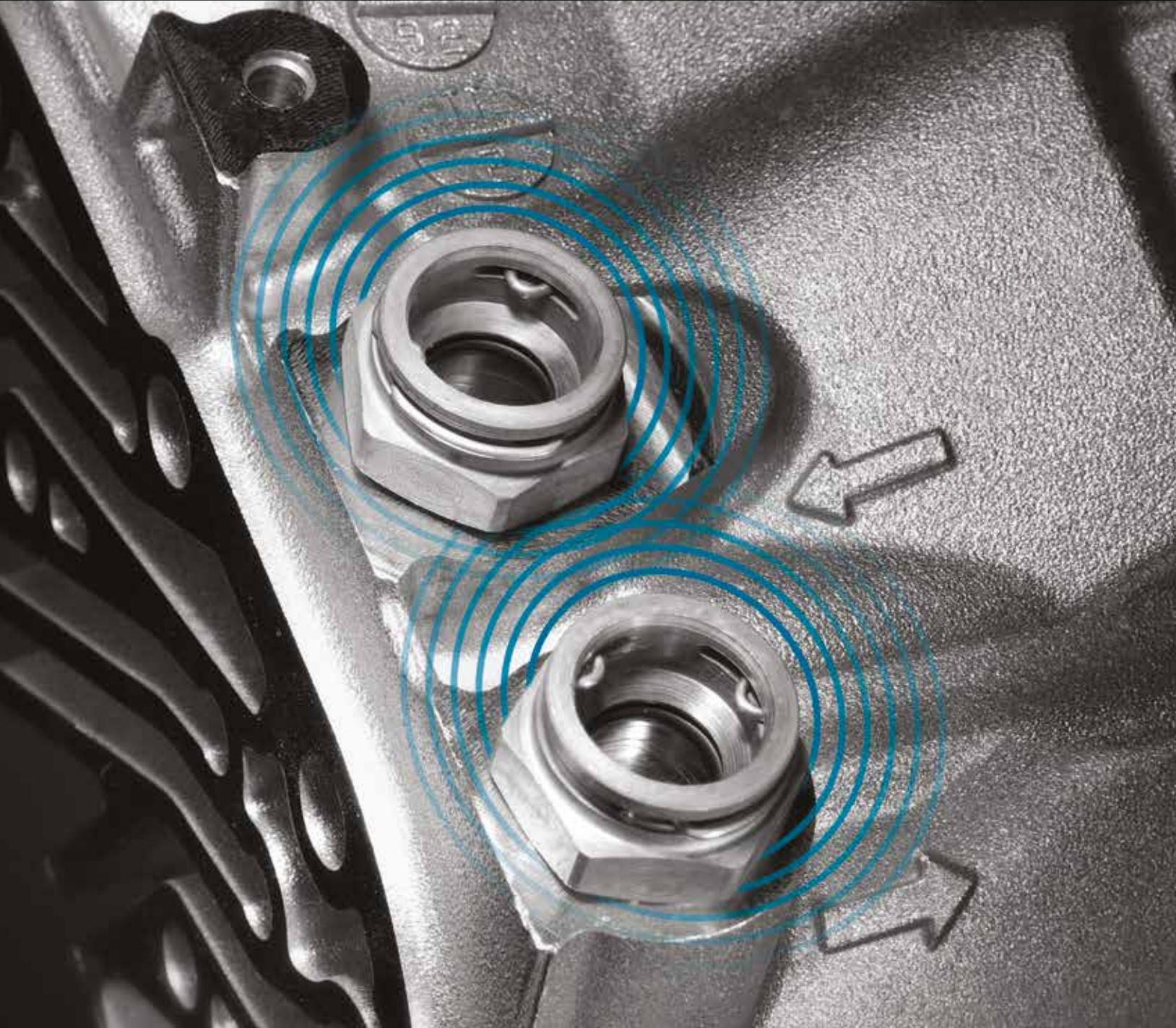
- 1 Plastic tank wall
- 2 Tank Seal (component of oil cooler)
- 3 Oil Cooler plates
- 4 Quick Connector External Seal

- 5 Quick Connector Internal Seal
- 6 Stainless Steel Retainer
- 7 Conical washer secured against plastic radiator tank wall allowing in-tank cooler to be compressed with tank seal (O-ring)





TRANSMISSION OIL COOLING



Use this reference when viewing the part descriptions.

Dimensions are in millimeters and inches.

**Installed height:** height of fitting after installation.

**Overall length:** total length of the fitting.

TRANSMISSION OIL COOLING



95261 - 1/2" Aluminum QC

Dimensions

Overall Length: 28.4 mm (1.118 in)

Installed Height: 17.3 mm (0.681 in)

3/4"-16 UNF-2A Thread

1" Hex, Aluminum

OE Numbers

52854784AA, 68210908AA, 52108844AA, 0501327484, 12614837



85547 - 3/8" Aluminum QC

Dimensions

Overall Length: 20.3 mm (0.800 in)

Installed Height: 11.8 mm (0.465 in)

9/16"-18 UNF-2A Thread

3/4" Hex, Aluminum

O-ring material: Ethylene Acrylic

OE Numbers

A0009973363, A 000 997 33 63



85627 - 3/8" Steel QC

Dimensions

Overall Length: 25.4 mm (1.000 in)

Installed Height: 13.0 mm (0.513 in)

1/4"-18 NPSL Thread

23/32" Hex, Plated Steel

OE Numbers

24205102, 24233366, 19125677



85217 - 3/8" Steel QC

Dimensions

Overall Length: 47.0 mm (1.850 in)

Installed Height: 14.7 mm (0.578 in)

1/4"-18 NPSL Thread with extended tube

3/4" Hex, Plated Steel

OE Numbers

24207013, 24233367



85838 - 3/8" Aluminum QC

Dimensions

Overall Length: 23.1 mm ((0.909 in)

Installed Height: 13.6 mm (0.534 in)

9/16"-18 UNF-2A Thread

3/4" Hex, Aluminum

OE Numbers

24236554, 24231875



85837 - 3/8" Aluminum QC

Dimensions

Overall Length: 33.4 mm (1.313 in)

Installed Height: 23.8 mm (0.938 in)

9/16"-18 UNF-2A Thread







3/4" Hex Extended, Aluminum







3/8" Plug

OE Numbers

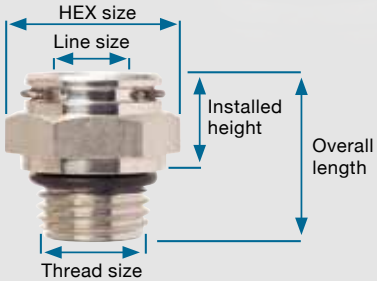
24236555, 24231876



	<div>85401 - 3/8" Aluminum QC</div> <div>Dimensions</div> <div>Overall Length: 21.3 mm (0.840 in)</div> <div>Installed Height: 11.9 mm (0.469 in)</div> <div>9/16"-16 UNF-2A Thread</div> <div>3/4" Hex, Aluminum</div> <div>3/8" Plug</div> <div>OE Number</div> <div>24236579</div>		<div>85402 - 3/8" Aluminum QC</div> <div>Dimensions</div> <div>Overall Length: 44.1 mm (1.737 in)</div> <div>Installed Height: 11.9 mm (0.469 in)</div> <div>9/16"-18 UNF-2A Thread with extended tube</div> <div>3/4" Hex, Aluminum</div> <div>3/8" Plug</div> <div>OE Number</div> <div>24236581</div>
	<div>25004 - 1/4" Aluminum QC</div> <div>Dimensions</div> <div>Overall Length: 17.3 mm (0.681 in)</div> <div>Installed Height: 7.9 mm (0.311 in)</div> <div>3/8"-24 UNF-2A Thread</div> <div>12 mm Hex, Aluminum</div> <div>3/8" Plug</div> <div>OE Numbers</div> <div>13280086, 24267378</div>		<div>85035 - 3/8" Aluminum QC</div> <div>Dimensions</div> <div>Overall Length: 30.6 mm (1.206 in)</div> <div>Installed Height: 18.8 mm (0.742 in)</div> <div>1/8"-27 NPTF Thread, with sealant</div> <div>3/4" Hex Extended, Plated Steel</div> <div>3/8" Plug</div> <div>OE Numbers</div> <div>04800267AA, 05017621AA, 05019118AA, 05096228AA, 05161642AA</div>
	<div>85839 - 3/8" Aluminum QC</div> <div>Dimensions</div> <div>Overall Length: 32.1 mm (1.264 in)</div> <div>Installed Height: 13.6 mm (0.536 in)</div> <div>9/16"-18 UNF-2A extended thread</div> <div>3/4" Hex, Aluminum</div> <div>OE Numbers</div> <div>24225125, 24205102</div>		<div>85840 - 3/8" Aluminum QC</div> <div>Dimensions</div> <div>Overall Length: 41.4 mm (1.630 in)</div> <div>Installed Height: 14.5 mm (0.571 in)</div> <div>1/4"-18 NPSL Thread with extended tube</div> <div>3/4" Hex, Aluminum</div> <div>OE Numbers</div> <div>24225126, 24212855</div>

	<div>85218 - 3/8" Steel QC</div> <div>Dimensions</div> <div>Overall Length: 30.9 mm (1.219 in)</div> <div>Installed Height: 11.1 mm (0.438 in)</div> <div>1/2"-14 NPT Thread, with sealant</div> <div>15/16" Hex, Plated Steel</div> <div>3/8" Plug</div> <div>OE Numbers</div> <div>52119547AA, 04596514AD, 04596527AD, 04596819AD, 52029060AA, 52029060AB, 52029075AA, 52029075AB</div>		<div>85002 - 3/8" Steel QC, with Ballcheck Valve</div> <div>Dimensions</div> <div>Overall Length: 36.9 mm (1.452 in)</div> <div>Installed Height: 23.5 mm (0.925 in)</div> <div>3/8" 18 NPSL Thread with sealant</div> <div>3/4" Hex Extended, Plated Steel</div> <div>OE Number</div> <div>24213958</div>
	<div>65084 - 5/8" Steel QC</div> <div>Dimensions</div> <div>Overall Length: 42.9 mm (1.689 in)</div> <div>Installed Height: 31.8 mm (1.251 in)</div> <div>3/4"-16 UNF-2A Thread</div> <div>1-1/4" Hex Extended, Plated Steel</div> <div>5/8" Vinyl Plug</div> <div>OE Numbers</div> <div>15194556, 29541729</div>		<div>65238 - 5/8" Aluminum QC</div> <div>Dimensions</div> <div>Overall Length: 35.0 mm (1.378 in)</div> <div>Installed Height: 19.9 mm (0.784 in)</div> <div>7/8"-14 UNF-2A Thread</div> <div>1-1/4" Hex, Aluminum</div> <div>OE Numbers</div> <div>29547931, 29541102, 29545353, 88996645</div>
	<div>65045 - 5/8" 39% Steel QC</div> <div>Dimensions</div> <div>Overall Length: 45.6 mm (1.794 in)</div> <div>Installed Height: 30.5 mm (1.200 in)</div> <div>7/8"-14 UNF-2A Thread</div> <div>1-1/4" Extended Hex, Plated Steel</div> <div>39% 5/8" Retainer</div> <div>OE Numbers</div> <div>15194559, 29541517, 88996640</div>		<div>65044 - 5/8" 39% Steel QC</div> <div>Dimensions</div> <div>Overall Length: 38.8 mm (1.526 in)</div> <div>Installed Height: 23.7 mm (0.932 in)</div> <div>7/8"-14 UNF-2A Thread</div> <div>1-1/4" Hex, Plated Steel</div> <div>39% 5/8" Retainer</div> <div>OE Numbers</div> <div>15194558, 88996640</div>

ENGINE OIL COOLING



Use this reference when viewing the part descriptions.

Dimensions are in millimeters and inches.

**Installed height:** height of fitting after installation.

**Overall length:** total length of the fitting.

ENGINE OIL COOLING



65103 - 5/8" Aluminum QC

Dimensions

Overall Length: 30.9 mm (1.217 in)

Installed Height: 19.8 mm (0.780 in)

7/8"-14 UNF-2A Thread

1-1/4" Hex, Aluminum

**OE Numbers:** 12614838, 05037316AC



95005 - 1/2" Steel QC

Dimensions

Overall Length: 29.2 mm (1.152 in)

Installed Height: 14.8 mm (0.581 in)

3/8"-18 NPTF Thread, with sealant

1" Hex, Plated Steel

**OE Numbers:** 15043741, 15724710, 15691506, 15718022 (service part)



65191 - 5/8" Steel QC

Dimensions

Overall Length: 46.6 mm (1.835 in)

Installed Height: 31.2 mm (1.229 in)

1/2"-18 NPTF Thread, with sealant

1-1/4" Hex, Plated Steel

Zerk Plug

**OE Numbers:** 25794270, 15170227



65004 - 5/8" 39% Steel QC

Dimensions

Overall Length: 34.3 mm (1.350 in)

Installed Height: 22.2 mm (0.875 in)

1/2"-14 NPSL SPL Thread, with sealant

1-1/4" Hex, Plated Steel

39% 5/8" Retainer

5/8" Plug

**OE Number:** 15027502



95010 - 1/2" 39% Steel QC

Dimensions

Overall Length: 26.4 mm (1.039 in)

Installed Height: 14.7 mm (0.579 in)

3/8"-18 NPTF Thread, with sealant

1" Hex, Plated Steel

39% 1/2" Retainer

**OE Numbers:** 15691506, 15718023, 15718022



95004 - 1/2" 39% Steel QC

Dimensions

Overall Length: 41.3 mm (1.627 in)

Installed Height: 27.5 mm (1.080 in)

1/2"-14 NPTF Thread, with sealant

1" Hex, Plated Steel

39% 1/2" Retainer

1/2" Plug

**OE Number:** 12558339



95113 - 1/2" 39% Steel QC

Dimensions

Overall Length: 28.6 mm (1.127 in)

Installed Height: 14.8 mm (0.580 in)

1/2"-14 NPTF Thread, with Sealant

1" Hex, Plated Steel

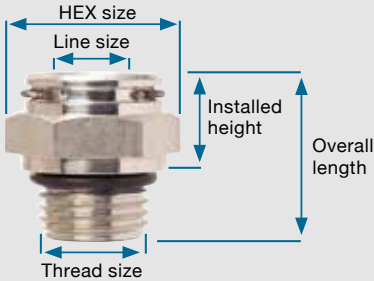
39% 1/2" Retainer

1/2" Plug

**OE Numbers:** 88891754, 12554978



TURBOCHARGER COOLING & OIL SUPPLY



Use this reference when viewing the part descriptions.

Dimensions are in millimeters and inches.

**Installed height:** height of fitting after installation.

**Overall length:** total length of the fitting.

TURBOCHARGER COOLING & OIL SUPPLY



M2000 - 8 mm Steel QC

Dimensions

Overall Length: 26.3 mm (1.035 in)

Installed Height: 14.3 mm (0.563 in)

M12 X 1.5-6g Thread

17.0 mm (0.669 in) Hex, Plated Steel

8 mm Plug

OE Number

55575624DA



M2015 - 8 mm Steel QC

Dimensions

Overall Length: 26.3 mm (1.035 in)

Installed Height: 14.3 mm (0.563 in)

M12 X 1.5-6g Thread

17.0 mm (0.669 in) Hex, Plated Steel

8 mm Plug

OE Number

55581175BA



85662 - 3/8" Aluminum QC

Dimensions

Overall Length: 20.3 mm (0.800 in)

Installed Height: 11.8 mm (0.465 in)

9/16"-18 UNF-2A Thread

3/4" Hex, Aluminum

OE Numbers

BC3Q6N636CB, BC3Q-6N636-CB



85674 - 3/8" Aluminum QC,  
with Oil Filter

Dimensions

Overall Length: 47.1 mm (1.854 in)

Installed Height: 32.1 mm (1.263 in)

3/4"-16 UNF-2A Thread

1" (25.4 mm) Hex, Aluminum

3/8" Plug

OE Numbers

BC3Q6N636EB, BC3Q-6N636-EB



M2100 - 8 mm Steel QC

Dimensions

Overall Length: 26.3 mm (1.035 in)

Installed Height: 11.3 mm (0.444 in)

M14 X 1.5-6g Thread

22 mm (0.866 in) Hex, Plated Steel

8 mm Plug

OE Numbers

12673605, 12659785

RADIATOR

TRANSMISSION

ENGINE

TURBOCHARGER

ACCESSORIES/PLUGS/TOOLS

TECHNICAL INFORMATION



Assurance Caps

Part Number	Size	Color	OE Number
250023	1/4"	White	15738179, 15723930, 15738178, 52479761
85184	3/8"	White	5505669AA, 55111051AA, 20896018, 15052228
95305	1/2"	White	15724727, 55056602AA
65218	5/8"	White	04666001AA



Shipping Plugs

Part Number	Size	Color
250030	1/4"	Clear
85122	3/8"	Yellow
951536	1/2"	Clear
65209	5/8"	Green - 30%
651502	5/8"	Orange - 39%
751622	3/4"	Orange - flush fit

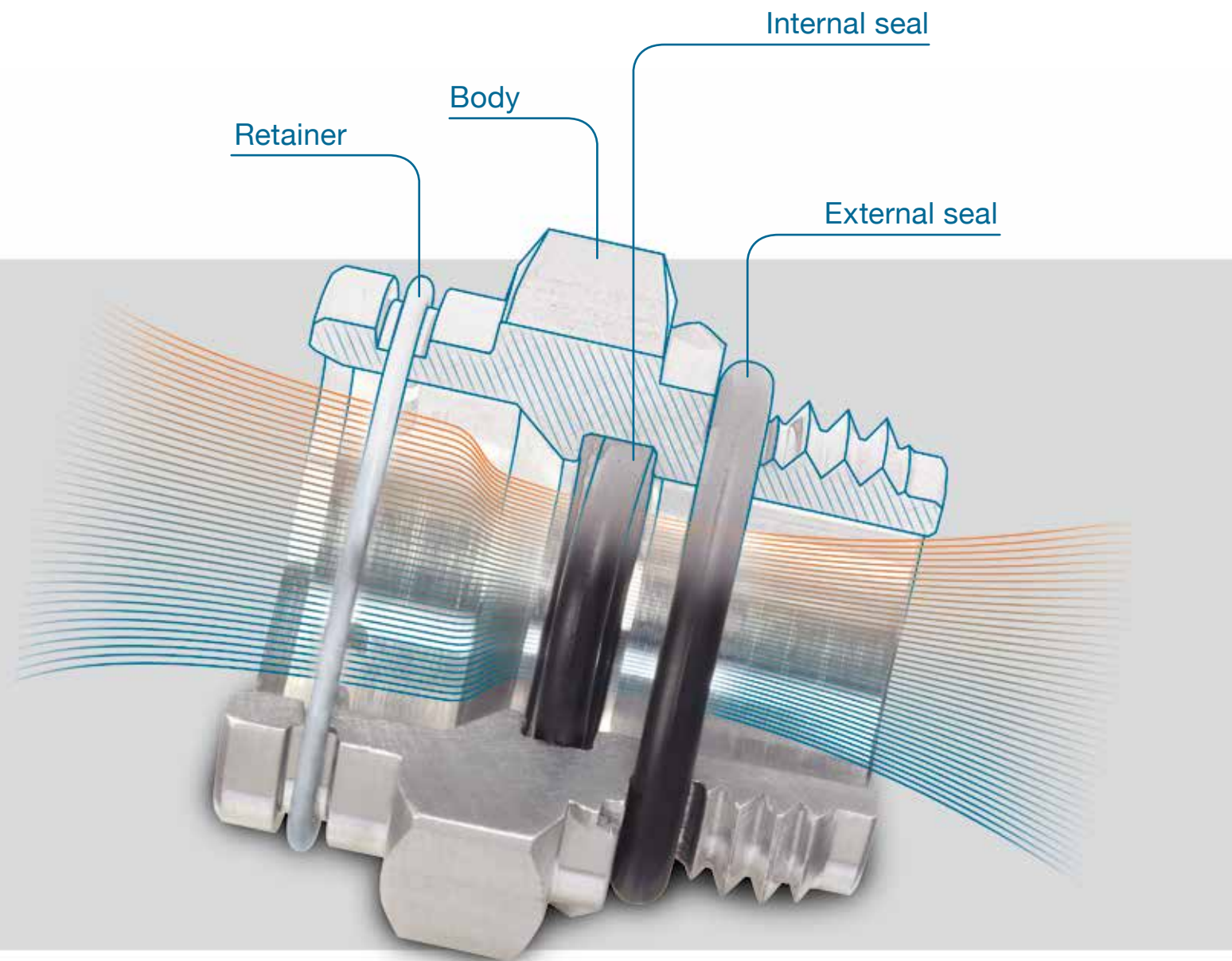


Disconnect Tools

Part Number	Size	Color
85031	3/8"	Blue
95024	1/2"	Red
65146	5/8"	Yellow
75010	3/4"	Orange



# TECHNICAL INFORMATION



## Oetiker Quick Connector Features & Benefits

- **Designed for maximum performance:** 100% production leak tested
- **Internal seal:** leak prevention at tube interface
- **External seal:** leak prevention at thread interface
- **Robust retainer mechanism:** low insertion force
- Improved installation time with reliable push to connect design
- 100% lead free, and produced in an ISO 14001 compliant manufacturing facility
- Corrosion resistance and maximum durability
- Precision machined aluminum, steel or injected molded plastic

# TECHNICAL INFORMATION

## Product Description:

Oetiker Quick Connectors (QC) are an innovative connecting solution for pressure lines carrying media, saving installation time during repairs. Oetiker Quick Connectors reduce the amount of warranties and returns by providing a quick and reliable installation method with superior quality that the OEM's continue to trust.

## Oetiker Tube Endform

Oetiker Quick Connectors are qualified only when mating with tube endforms per the Oetiker specification. This specification is Oetiker controlled, and available upon request.

Oetiker's engineering and quality teams are available to support qualifying tube endform suppliers. Recommended endform tooling and tube suppliers are available.

## Tube Endform Flare - 39% vs 30%

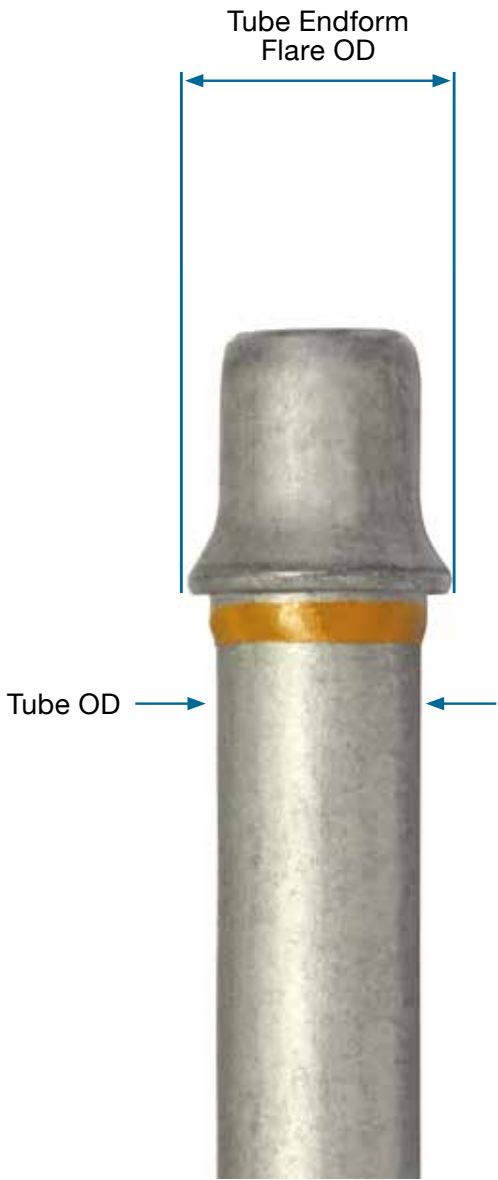
The majority of 39% quick connectors were discontinued after the 2003 model year.

**Tube Endform Flare** - To determine whether the tube endform flare is 30% or 39%, compare the outer diameter of the tube to the outer most diameter of the tube's flare. With a 30% tube endform flare, the tube diameter is increased by a factor of 1.30, measured at the tip of the flare diameter. With a 39% tube flare, the original tube diameter is increased by a factor of 1.39, measured at the tip of the flare diameter.

**Example:**  $0.625" \times 1.30 = 0.813$  (5/8" 30%)  
 $0.625" \times 1.39 = 0.869$  (5/8" 39%)

By measuring the tube endform flare and using the OEM reference number, you can accurately identify the endform flare and the original equipment quick connector.

**NOTE** - The quick connector internal body and retainer size are specific to the tube endform flare. A 30% quick connector will not work with a 39% tube flare and vice versa. Unless noted as 39%, all connectors are now standardized to the 30% design.



Quick and easy tool-free installation

To Connect



1. To make the connection, align the tube with connector.



2. While pushing the tube straight into the connector, you will hear and feel the "click" connection.



3. Slide the assurance cap along the tube and snap it onto the connector.

To Disconnect



1. Snap or place the disconnect tool onto the tube with the tabs facing the connector.



2. Slide the disconnect tool down the tube and engage the retainer. Rotate the disconnect tool 5°-10° to expand the retainer.



3. With the retainer expanded, pull back on the tube to disconnect.



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**Visit our website or contact us for additional technical information and product offerings.**

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**Reliable Connections**