

HM-216b COMPONENT OFFERING

Your one-stop shop supplier makes meeting qualification deadlines easy.





Committed to Innovation

Salco Products will endeavor to continually enhance an environment of trust and confidence among customers, vendors, and employees through a commitment to innovation, quality products and services, and proficient response to the needs of the industries we serve.

WHAT WE DO

Founded in 1983, Salco Products was born from the idea of replacing theft prone metal outlet caps with ones made from plastic at a quarter of the cost. From these humble beginnings, Salco went on to become an innovator in the railcar industry by developing the first vented hatch cover for plastic resin shippers.

Over time, Salco Products extended its offering to the freight transportation industry. From components for tank cars, hopper cars, tank trucks and plant process, to specialized technical consulting services, Salco truly is a single source for innovative solutions.

Today, Salco is proud to be a dependable products and service provider to its varied customer base that globally operates at chemical plant sites, freight car manufacturers, and the rail repair network.



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Customer Support



Email

sales@salcoproducts.com



Phone

630-685-4661 (English)
630-383-0835 (En Español)
001 630-383-0835 (Desde dentro de Mexico)



Top of Car Components



Manway Nozzle Gaskets



TOP OF CAR

Designed to AAR specifications, Salco's Nozzle Gaskets feature a unique dual chevron design which improve manway sealing and help combat NAR's.



MULTIPLE SIZES AVAILABLE

18-inch, 20-inch and 24-inch sizes



NUMEROUS GASKET OPTIONS

Viton, EPDM, FDA Nitrile and Butyl



GLUE-FREE INSTALLATION

Allows for simple cleaning or replacement

ADDITIONAL DETAILS

- Can be used in place of manway cover gaskets
- Long inner leg secures to the manway nozzle, holding the gasket in place
- Securement tab provides an optional means of anchoring the gasket with a cable seal.



20-Inch White Manway Nozzle Gasket

Part Number: TC20NGN



For complete gasket testing documentation, including FEA results

Contact a Salco Products Representative



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Top of Car Components

Eyebolts



TOP OF CAR

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Top of Car Components

Used to secure 6-bolt and 8-bolt manways covers, Salco's eyebolts are available in a wide variety of sizes and configurations.



MATERIALS AVAILABLE

Carbon Steel and 316/416 Stainless Steel



MULTIPLE LENGTHS

4-inch to 7-inch lengths available



VARIOUS DIAMETERS

¾-inch to 7/8-inch and 1-inch diameters available

ADDITIONAL DETAILS

- Fits most OEM manway configurations
- Standard eyebolts can be customized to your specifications
- Variety of different safety mechanisms available
- Hex and square nuts available
- PTFE coatings available

7/8-Inch x 6-Inch Carbon Steel Eyebolt with Threaded Safety Collar

Part Number: EB786XHFTATC3



7/8-Inch x 6-Inch Carbon Steel Eyebolt with Threaded Safety Collar w/pin

Part Number: EB786XHATCP



7/8-Inch x 6-Inch Carbon Steel Eyebolt

Part Number: EB786XA



Part numbers referenced are for images shown, For full offering visit: [salcoproducts.com/eyebolts](https://www.salcoproducts.com/eyebolts)



Button Head Rods



TOP OF CAR

Used to secure domelid eyebolts to the manway nozzle, Buttonhead Rods are available in multiple configurations to fit your specific application requirements.

PRODUCT DETAILS

- Sizes available to fit any need
- Available in both Carbon and Stainless Steel
- Eliminates the need for a hammer and chisel, cutting torch, and hot-work permit
- Assemblies include cotter pin and washers
- Cotter pins allow for simple maintenance
- Significantly reduces time and labor

QUICK, SECURE FASTENER

Solid rods with a standard domed head that secures with a wire formed cotter pin through a hole drilled in the opposite end. Clevis pins are used in combination with domelid eyebolts as a quick, secure, and cost-effective fastener. Salco offers a large selection of high-quality clevis pins to meet your application needs.



7/8-Inch x 6-Inch Button Head Rod
Part Number: BHR786HS6A

7/8-Inch x 4-Inch Button Head Rod
Part Number: BHR784HC1A

7/8-Inch x 2½-Inch Button Head Rod
Part Number: BHR7825HC1A



A limited variety of rods shown above, for full offering visit: salcoproducts.com/bhr

PART NUMBER MATRIX

EXAMPLE SHOWN: BHR3425HS1A

BHR	34	25	HS	1	A
Button Head Rod	Diameter	Length	Material	Cotter Pin	Assembly
	3/4" (34)	2½" (25) - 6½" (65)	Carbon Steel (HC)	1" (1)	
	7/8" (78)		Stainless Steel (HS)	2" (2)	

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Top of Car Components



Quick Inspect Safety Vents



TOP OF CAR

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Top of Car Components

Chemical and weather resistant, the Quick Inspect Safety Vent allows easy inspection, cleaning and replacement of the rupture disk.



MULTIPLE MATERIALS

Noryl or Stainless Steel



REMOVABLE CENTER PLUG

Allows easy inspection, cleaning and replacement of the rupture disk



SURGE PROTECTOR AVAILABLE

Required by the AAR

ADDITIONAL DETAILS

- Accommodates most major rupture disks and styles
- If needed for your application, Salco can provide adapter flanges that allow the Quick Inspect to be mounted to your car in the field

MULTIPLE APPLICATIONS

A versatile design allows for numerous application scenarios to best suit your requirements.

Quick Inspect Safety Vent w/ Ryton Surge Protector

Part Number: Q1261R3A



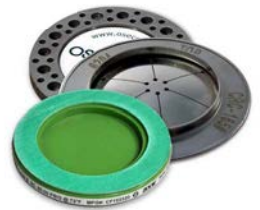
Quick Inspect Safety Vent w/ Salco PE Surge Protector

Part Number: Q1261HSP03A
AAR Approval #: PRD-162102



YOU MAY ALSO NEED:

Rupture Discs



Visit Salco Products YouTube channel for instructional application videos:
[youtube.com/salcoproductsinclmont](https://www.youtube.com/salcoproductsinclmont)

Lift Assists



TOP OF CAR

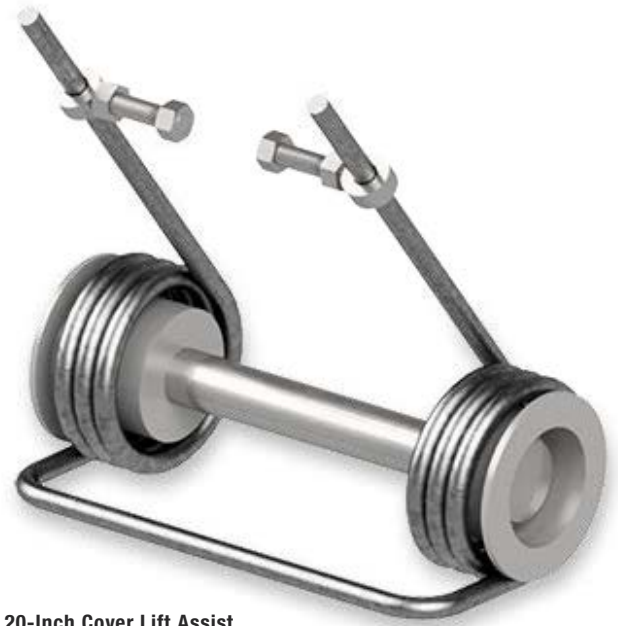
Improve operator safety with lift assistance for heavy manway covers.

PRODUCT DETAILS

- Available in Stainless Steel or Carbon Steel
- Minimal welding required
- Various designs available for any application or car builder arrangement
- Springs can be customized to your specific needs
- Takes less than 20 pounds of strength at the handle to open the cover

IMPROVE OPERATOR SAFETY

Salco's lift assisters are a simple yet effective way of providing operators with a safer work environment. Eliminating the dangers that come with handling cumbersome manway lids. These devices are available in various sizes to suit any car builder arrangement.



20-Inch Cover Lift Assist
Part Number: LAD20TR3



Part numbers referenced are for images shown, For full offering visit: salcoproducts.com/liftassist





Top Unloading Adapters



TOP OF CAR

Top loading/unloading adapters provide a quick and direct connection to the unloading hose.



MULTIPLE SIZES AVAILABLE

1-inch, 2-inch and 3-inch sizes



DOT AND AAR APPROVED DESIGNS

Threaded and Cammed cap securement



MATERIALS AVAILABLE

Stainless Steel and Ductile Iron



AVOID LEAKS

Secure fitting minimizes leaks and spills

ADDITIONAL DETAILS

- Includes adapter, cap, chain and gaskets
- Dual thread design extends NPT life by 50% on threaded caps

2-Inch Thread-On Fitting Assembly

Part Number: K20IUMP1A

AAR Approval #: E-139514



2-Inch Flanged Fitting Assembly

Part Number: TE20SDLP07FA

AAR Approval #: E-149523



View Salco's AAR Quality Certifications here:
salcoproducts.com/certifications

FOR MORE INFORMATION



For more information or to see our complete
Top Loading/Unloading Adapter offering
Visit salcoproducts.com/UA



Vacuum Relief Valves



TOP OF CAR

AAR approved flanged and threaded non-cycling vacuum relief valves allow the railcar to relieve pressure built up by temperature fluctuations from loading/unloading or transit.



MULTIPLE SIZES AVAILABLE

1½-inch and 2½-inch sizes available



VARIOUS SEALING MATERIALS

Buna-N, EPDM, Neoprene, Viton A, Etc.



CUSTOMIZABLE PRESSURE SETTINGS

Pressure setting options from -4psi to -0.75psi

ADDITIONAL DETAILS

- Non-cycling feature prevents valve from activating/cycling and product release in case of rollover derailment

ADDITIONAL SAFETY MEASURES

Optional tamper evident cap and filter screen provide an extra level of security for the safe and uncontaminated travel of your commodity.

Threaded Vacuum Relief Valve

Part Number: VVN15S4101A

AAR Approval #: E-202141



Flanged Vacuum Relief Valve

Part Number: VVN15S6RA112A

AAR Approval #: E-202141



For full Vacuum Relief Valve offering visit:
salcoproducts.com/VRV





Pressure Relief Valves



TOP OF CAR

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Top of Car Components

Constructed from castings hand poured in the USA, Girard Stainless Steel or Teflon® lined/coated reclosing pressure vents safely and reliably relieve excess pressure that would otherwise create a hazardous condition in a tank car.

PRODUCT DETAILS

- Quick disassembly feature designed for ease of maintenance
- Release pressure up to 165 PSIG
- Flow Ratings: 165 PSI/Flow rate: 13,355 SCFM @ 182 PSI
- 75 PSI/Flow rate: 8,586 SCFM @ 85 PSI
- Rugged, low profile design

MADE IN AMERICA

For more than 60 years, Girard Equipment has been producing quality products for an ever-growing, everchanging industry. Girard Equipment is one of America's leading manufacturers of pressure relief valves and is as a superior choice when it comes to reliability, performance, and trust.



Black Teflon® Coated PRV

Part Number: GERR407-165-4
AAR Approval #: E-172101



For full Pressure Relief Valve offering visit:
salcoproducts.com/PRV





Bottom of Car Components





Bottom Unloading Adapters



BOTTOM OF CAR

Bottom unloading adapters provide a quick and direct connection to the unloading hose.



MULTIPLE SIZES AVAILABLE

3-inch, 4-inch and 6-inch sizes



DOT AND AAR DESIGNS

Threaded and Cammed cap securement



MATERIALS AVAILABLE

Stainless Steel and Ductile Iron



AVOID LEAKS

Secure fitting minimizes leaks and spills

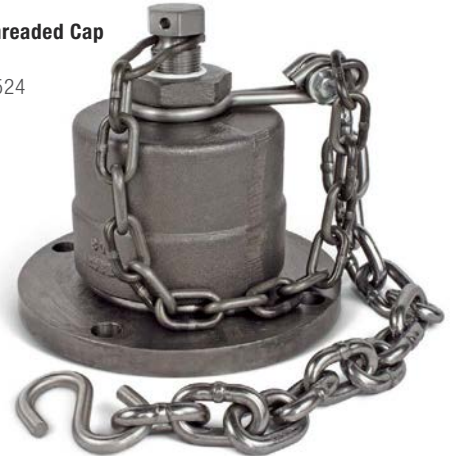
ADDITIONAL DETAILS

- Assemblies include adapter, cap, chain and gaskets
- Reducing flanges available
- Can be electro-polished and humidity tested for food-grade applications

Flanged Adapter w/ Threaded Cap

Part Number: TE4IU7A

AAR Approval #: E-149524



Threaded Adapter w/ Cammed Cap

Part Number: K4IU2A

AAR Approval #: E-139514



View Salco's AAR Quality Certifications here:
salcoproducts.com/certifications

FOR MORE INFORMATION



For more information or to see our complete
Bottom Unloading Adapter offering
Visit salcoproducts.com/UA



Bottom Outlet Caps



BOTTOM OF CAR

Ergonomic, lightweight belly caps that reduce operator injuries from the handling of traditional heavy and awkward steel designs.



RAILROAD THREAD

Standard 5¼-inch railroad thread allows for application to any manufacturer's nozzle



CORROSION-RESISTANT

Constructed of corrosion-resistant materials



REDUCE WRENCH SLIPPAGE

Steel reinforced hex head increases grip area

ADDITIONAL DETAILS

- Aluminum cap is approved for use with hazardous and non-hazardous commodities, including flammables.
- Also available in standard Ductile Iron or Stainless Steel
- A broad range of gasket options allows for use in any commodity

4-Inch Aluminum Bottom Outlet Cap

Part Number: TC43BCALA



4-Inch Plastic Bottom Outlet Cap

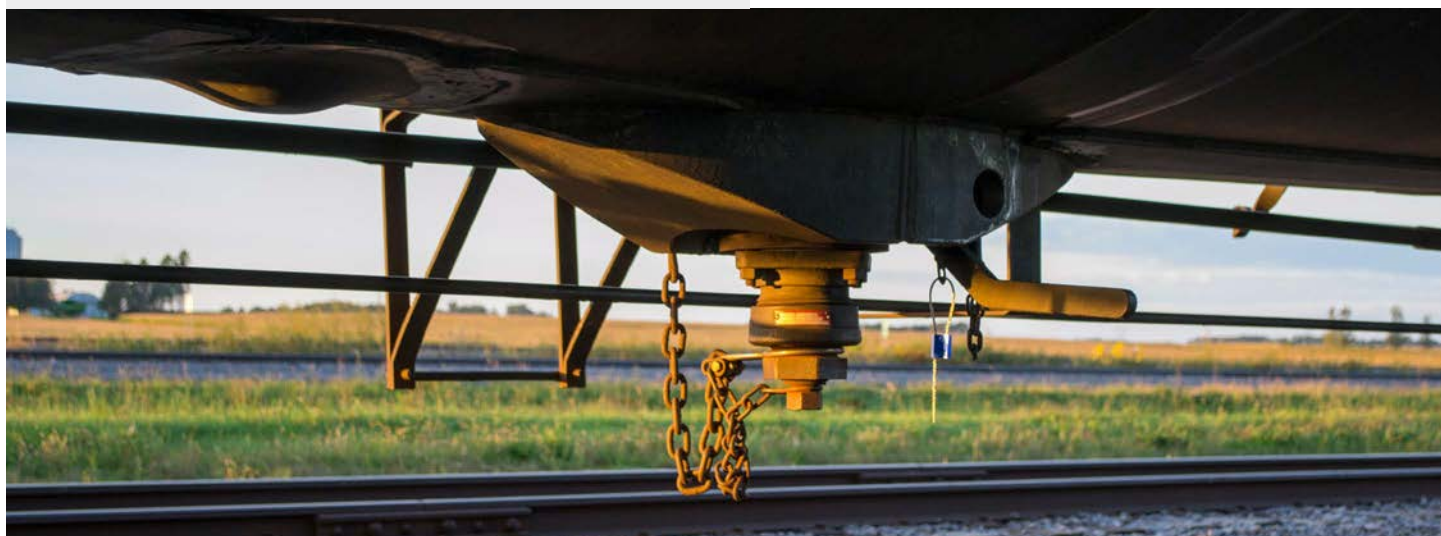
Part Number: PBC4002A

AAR Approval #: E-202138

*Not recommended for flammable service



For more information or to see our complete list of cap configurations visit salcoproducts.com/bellycaps



Downlegs



BOTTOM OF CAR

4-inch Bottom outlet nozzles with AAR threads fit any style bottom outlet valve.

PRODUCT DETAILS

- Available in Ductile Iron, Stainless Steel and Carbon Steel
- For use with 5¼-inch railroad thread bottom outlet caps
- Flange gasket material options for any commodity
- Designed to figure E18 in the AAR C-III Manual

OPTIONS THAT BEST FIT YOUR NEEDS

Our bottom outlet nozzles are designed to meet a wide range of customer needs. They are available in multiple different bolting patterns, ensuring a seamless installation and operation with any variety of bottom outlet valve styles.

Several different gasket options are also available depending on the commodity. These gaskets provide a secure seal between the nozzle and the bottom outlet valve, ensuring the prevention of leaks and that cargo stays properly contained.

4-Inch Threaded Downleg

Part Number: TC4DLJWMDI



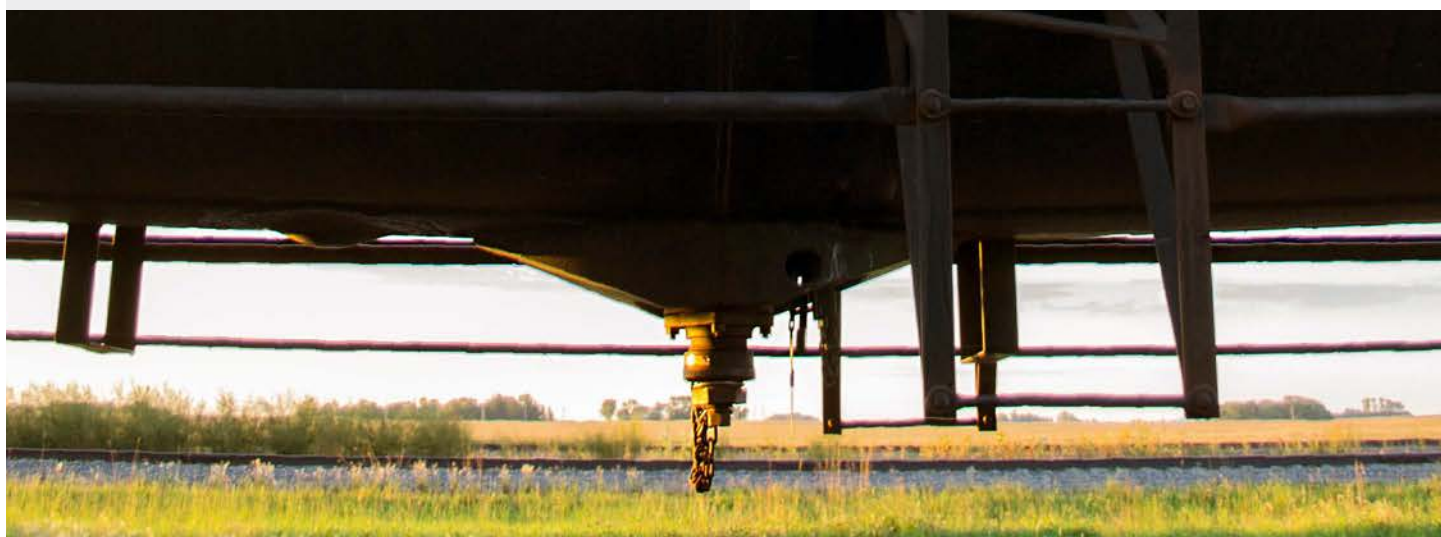
4-Inch Threaded Downleg

Part Number: TC4DLUTSS1A



Can be sold as an assembly which includes nozzle, cap, chain and gasket.

Contact Customer Support for more information





Ball Valves



BOTTOM OF CAR

Apollo® ball valves are made in the U.S. with the best delivery times in the industry. Manufactured in ISO registered and AAR certified facilities means never having to compromise on performance or reliability.

PRODUCT DETAILS

- Certified by the AAR
- Multiple sizes available from ½-inch to 6-inch
- Available in full or standard port
- Blowout-proof stem design
- Meets OSHA lockout/tagging regulations
- Equipped with a grounded ball and stem
- API 607 Fire Safe Valves

AVAILABLE FOR IMMEDIATE SHIPMENT

As the exclusive distributor for Apollo® transportation valves, Salco Products has many different arrangements, materials, and sizes in stock for immediate shipment.



Flange x Thread (2-Piece) Valve

Part Number: CA87A-388-24-SP1
AAR Approval #: E-152113



Flange x Flange Valve

Part Number: CA87A-208-24-SP1
AAR Approval #: E-152112



Threaded Valve

Part Number: CA76F-105-24-27-SP1
AAR Approval #: E-172108



Flange x Thread (Single Piece) Valve

Part Number: CA76F-388-24-27-SP1
AAR Approval #: E-152113



Part numbers referenced are for images shown.
To find the valve that is right for you, visit:
salcoproducts.com/Apollo





4-Inch Apollo® Bottom Outlet Valve



BOTTOM OF CAR

Extensively tested and evaluated to ensure quality, the Apollo® 4-inch bottom outlet valve is designed for safe and reliable bottom unloading.



QUICK OPERATION

Allows a quick quarter-turn operation



FITS ALL CARS

Fits all OEM sump and saddle configurations



MULTIPLE MODELS AVAILABLE

Steam jacketed models also available

PRODUCT DETAILS

- Independent valve stop ensures cycling does not impact stem packing sealing
- Unrestricted flow design provides high capacity for liquids and slurries
- Bolted retainer with heavy hex nuts allows for a stronger connection
- Blowout proof stem design
- Adjustable graphite stem packing



4-Inch Bottom Outlet Valve

Part Number: CA87A-TPA-24-SP3

AAR Approval #: E-139507



Salco Products is the exclusive distributor of Apollo® transportation valves. To find the valve that is right for you visit: salcoproducts.com/apollo





Safeguard™ BOV Handle Kit



BOTTOM OF CAR

Salco's patented Safeguard™ BOV Operating System prevents unintended handle engagement with the valve, avoiding accidental openings.



LOCKS DURING TRANSIT

Even with the handle disengaged



WORKS ON ALL CARS

New cars or retrofit of existing cars



INSTALLATION OPTIONS

Available in weld-on or bolt-on systems

ADDITIONAL DETAILS

- Multiple seal-hole provisions to ensure tamper evidence
- Adapts to any bottom outlet valve configuration
- UHMWPE bearing surfaces promotes smooth operation
- Can be applied to jacketed or non-jacketed cars
- Bolt-on design requires no hot work; cars do not need to be cleaned or shopped prior to application
- Designed per AAR Appendix E, Chapter 9, Section 9.1.2.8

CALL FOR CHANGE

Tank car regulations now require bottom outlet valve handles to disconnect from the bottom outlet valve during transit to prevent accidental actuation of the valve, whether caused by improper securement or derailment.

THE SOLUTION

The Salco Safeguard™ BOV Operating System is an AAR compliant design which prevents unintended engagement of the handle to the valve. Equipped with multiple safeguards to ensure the valve handle engages and disengages only through proper action of the operator.



Full-Sized Weld-On BOV Handle

Part Number: BOVHKITCSJ01

US Patent #: 10,274,101



Compact Bolt-On BOV Handle

Part Number: CBOVHKITJ02



View Salco website for full product offering at:
salcoproducts.com/bovhandle





Tank and Shell Components



Inspection Port Covers



BODY OF CAR

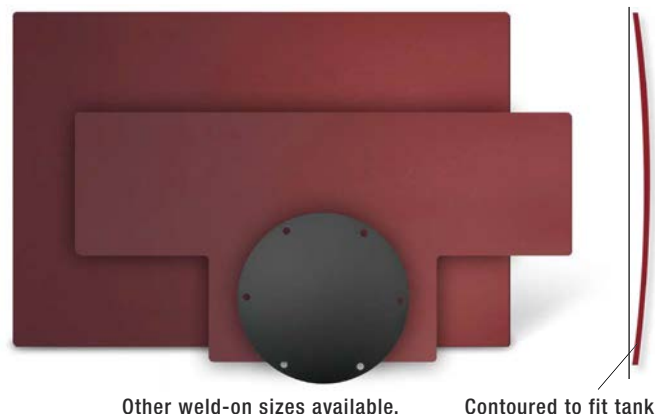
A time-saving and cost-efficient means of easily inspecting tank car shells and insulation. Allows repeated inspections of the same section.

PRODUCT DETAILS

- Contoured to fit the curvature of the tank shell
- Weld on and bolt-on styles available
- Inspection Port:
 - Gaskets with adhesive backing, and self drilling screws included
 - Allows repeated inspections of the same section
- Jacket Plate:
 - Various sizes available
 - Carbon steel primed for metal protection

Weld-On (14 x 20-Inch)

Part Number: JP1420C



Other weld-on sizes available.

Contoured to fit tank

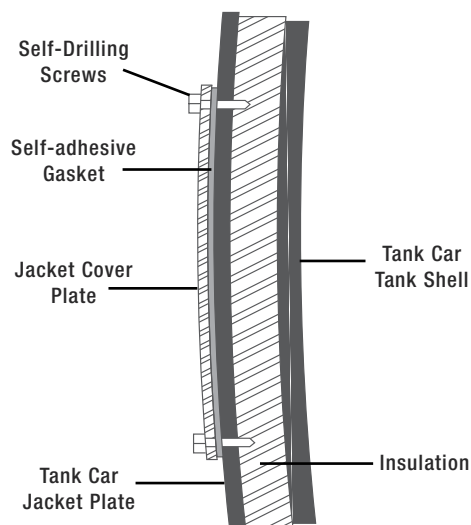


View Salco website for full product offering at:
salcoproducts.com/portcovers

Bolt-On (7 1/2-Inch OD)

Part Number: TCJP200A

Self Tapping
Screws Included



Placards and Holder



BODY OF CAR

Durable and reliable diamond-shaped placards allow operators and emergency responders to know which dangerous goods are in the railcar.

PRODUCT DETAILS

- Corrosive, Poisonous and Flammable placards available amongst other types of hazards
- Available in 10¾-inch x 10¾-inch size placards
- Placards made of durable Adhesive Vinyl or Polyvinyl
- 4-digit UN #, hazard class graphic, and class # included
- Placard holder securely holds placards in place
- Placard are printed with long-life UV inks that resist peeling, chipping, and fading

IDENTIFY POTENTIAL HAZARDS

Placards quickly identify potential hazardous commodities inside a tank car. In the general placarding requirements of 49 CFR 172.504(a) of the USDOT/PHMSA Hazardous Materials Regulations (HMR), when required, all rail cars are to have a placard on each side and each end of the tank car.



Part Number: PH14S



View Salco website for full product offering at:
salcoproducts.com/placards



Labels/Decals/Stencils



BODY OF CAR

Identify important information about your tank car or commodity with Labels, Decals, and Stencils.

PRODUCT DETAILS

- Wide variety of Labels and Decals to choose from
- Labels and Decals adhere to the side of the tank car
- Stencils are made of brass construction
- Stencils come in 2-inch letters and numbers
- Tank Car Qualification Decal is 42-inch x 19-inch in size

IDENTIFY INFORMATION ON YOUR TANK CAR

Salco Products has many different Labels and Decals available to fit your specific needs. Stencils provide a clean and easy way help mark your tank car, while Tank Car Qualification Decals help identify important information regarding your tank car and its commodity.



Part Number: LABELBAD0



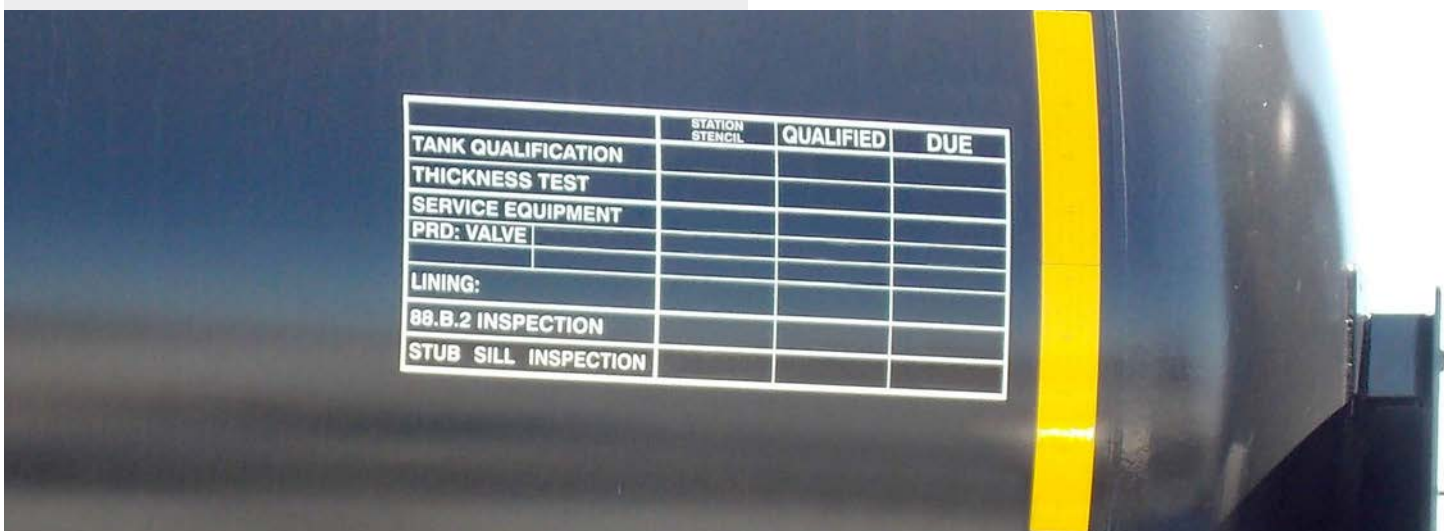
Part Number: DC24480VL



Part Number: FA3123308



View Salco website for full product offering at:
salcoproducts.com/labelsdecals



ORALITE® Conspicuity Material



BODY OF CAR

Salco offers the rail industry ORALITE® conspicuity material, a high-visibility reflective tape that can greatly improve visibility and safety at night, in bad weather, and in poorly lit environments. ORALITE® conspicuity material is unmatched for recognition and safety.

PRODUCT DETAILS

- Extremely durable, impact and crack resistant
- Single ply - .008 thin; no open-cell construction
- Easily adheres to flat and curved surfaces
- Retains reflective ability even when wet
- Meets all D.O.T. specs

MICROPRISM CONSTRUCTION

Cube-corner microprism retro-reflective elements are integrally bonded to a flexible, weather-resistant UV-stabilized polymeric film.



Part Number: R4X150BY



Part Number: R4X150BW

ORALITE®

Salco Products is an authorized distributor of Oralite® high-visibility reflective tape for the rail industry.



Part numbers referenced are for images shown
View Salco website for full product offering at:
salcoproducts.com/oralite



Flange Gaskets / Fasteners



MISCELLANEOUS



FLANGE GASKETS

Salco is a one-source supplier of specialty gaskets, cut to your specific size for your specific need.



FASTENERS

Studs and nuts are available in a variety of sizes and lengths to suit your needs.

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Miscellaneous

Hex head NPT plug and chain assemblies allow for a quick inspection of the valve for leaks before removing closures.

PRODUCT DETAILS

- Solid single piece milled design
- Superior seal
- Available in a variety of sizes up to 3 inches
- Available in a variety of materials based on commodity
- Different chain lengths and materials offered
- Optional seal hole for additional security
- Swivel chain link attachment prevents binding

FLUID TIGHT SEAL

Tapered threads pull tighter than standard threads creating a fluid tight seal to contain any leaking commodity.



To find your exact configuration, visit:
salcoproducts.com/plugs

Plugs

1-Inch Carbon Steel Plug

Part Number: TC1PA



YOU MAY ALSO NEED:

2-Inch Pipe Cap (TI2PCA)
3-Inch Pipe Cap (TI3PCA)



Services



Regulatory Compliance Group



SOLUTIONS TO ACHIEVE COMPLIANCE

Salco's Regulatory Compliance Group is engaged in the delivery of highly technical, compliance-based services to our transportation partners.

FROM DESIGN TO DESTINATION

Our services help our customers move product from design to destination in a safe and cost effective manner. An aspect of our business is compliance with federal regulations, industry standards and to customer requirements.

AS A COMPLIANCE MANAGEMENT COMPANY

Salco maintains membership in several trade and professional organizations. These memberships, and our participation, helps to ensure that our customers are fully-informed of developing issues, and that we maintain leadership status by promoting scientifically-based and practical solutions to achieve compliance.



Car Inspection



NDT and Welding Support



Quality Assurance



Compliance Support



Engineering Support



Language Services



To schedule training or view a complete list of services
Visit salcoproducts.com/RCG



CLASSROOM TRAINING



HANDS-ON TRAINING

Consignment Services



INVENTORY MANAGEMENT

Salco Products offers turnkey inventory management programs tailored to our customer's specific needs. We work together with our customers to optimize inventory turns, put the proper items in inventory and provide simple recording methods to lessen overall cost of servicing our industry.

COST SAVINGS

- Eliminate expedited shipping fees by keeping high turnover items in stock.
- Monthly bulk deliveries reduce multiple shipment charges.
- Consolidated invoices for all material used; pay for items only when you use them.
- No set up or inventory maintenance fees.

Interested in getting started?

Visit salcoproducts.com/inventorymanagement



CONVENIENCE

- Monthly/quarterly on site inventory counts to ensure accuracy
- Automated inventory replenishment
- Stock usage monitored and levels adjusted accordingly

TECHNOLOGY

- Remote technology available for on-site inventory counts
- Usage/transaction history reports available on demand through web portals





COMMITTED TO INNOVATION

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The most current revision of this information can be found on our website at www.salcoproducts.com and supersedes all other versions. Please check the revision date information of any printed materials to ensure the most current information is being referenced.



Document Reference: Rev. B 02/23