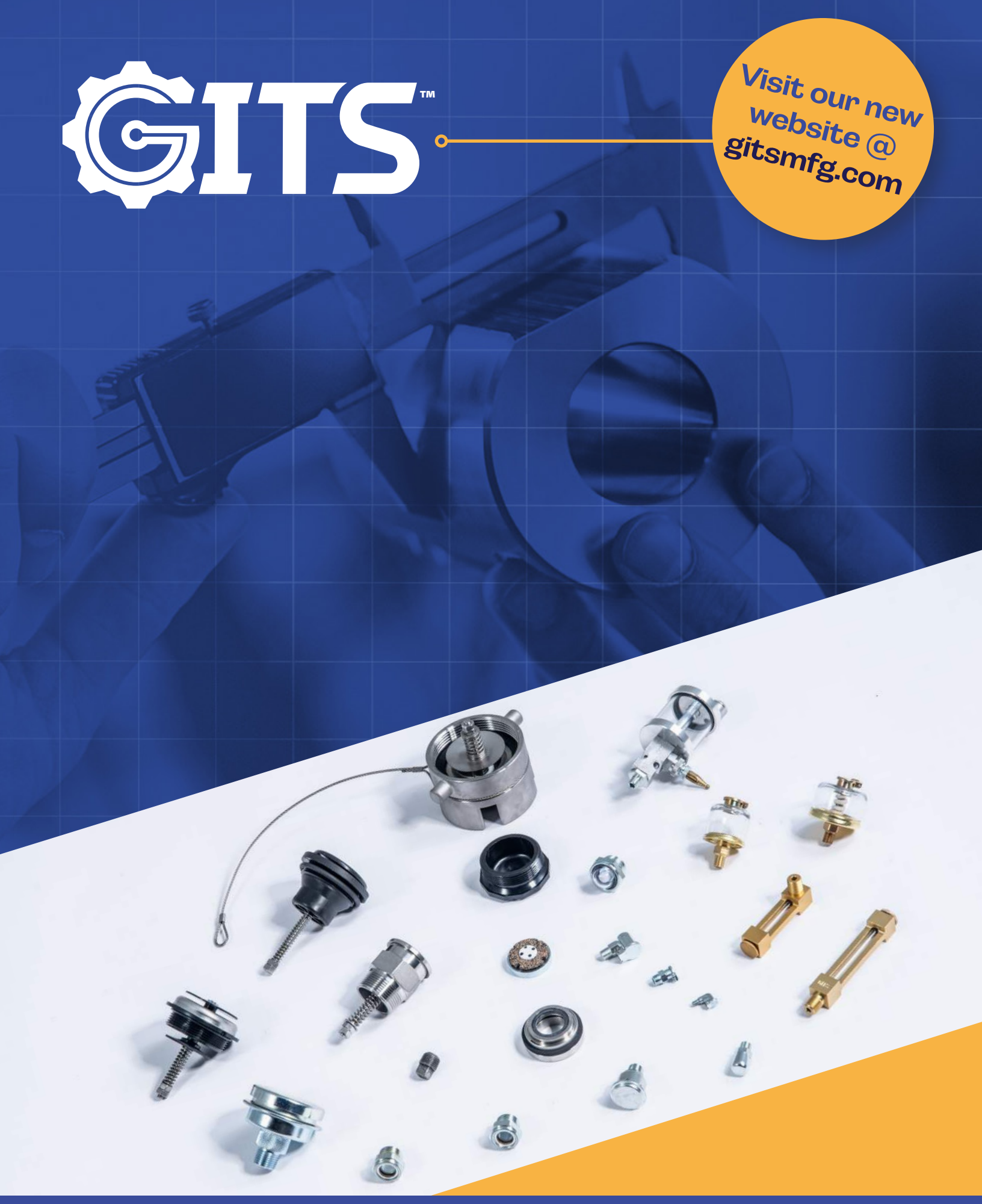
GITS™

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Lubrication and Venting Product Catalog

Gits Manufacturing is a global supplier of innovative emission-reducing (thermal management) and turbocharging solutions for the world's leading truck and engine manufacturers. With its research and development center in Urbandale, IA, and manufacturing capabilities around the world, Gits designs and manufactures custom solutions for internal combustion engines and electric power trains. Gits Manufacturing is part of CentroMotion's growing family of global brands.

Commonly used on IBCs, our venting solutions are designed to protect your cargo by allowing for positive and negative pressure, and vacuum relief during thermal expansion and contraction. Our products resist corrosion and ensure top durability and efficiency, so you can safely transport and store chemicals, solvents, pharmaceuticals and other liquids while eliminating the potential for contamination and reducing environmental impact. Breathing solutions, such as simple or filtered breathers and expansion chambers, are available for gearboxes, pumps, machinery drives, electrical enclosures and solutions for automotive applications, such as heavy-duty axle vehicles.

We offer a variety of lubrication components, such as liquid-level view sight gauges, oil hole covers and cups, and bottle oilers, which are used in a wide variety of industrial applications such as pumps, gearboxes, electric motors, bearing assemblies, lubrication reservoirs and hydraulic tanks. Our "Take-Apart" shaft seals are specifically designed to offer ease of assembly and field maintenance without any modification to existing equipment. Our seals offer simplicity for dependable performance and are suitable for a wide range of operating conditions.

The products in our catalog are available through authorized industrial distributors near you.

To locate a distributor visit our gitsmfg.com. For questions about price and specifications our E-mail address is info@gitsmfg.com or give us a call at +1 (800)-323-3238

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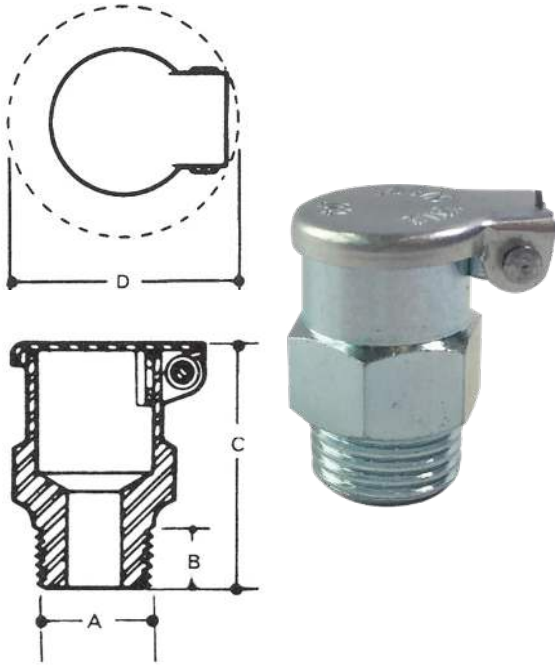
STRAIGHT OIL CUPS

STYLE B THREADED

Selected for applications where maximum durability and dependability are essential. Features include hexagon wrench hold for easy installation and self-closing springhinged cover. Machined from solid bar stock. Style B covers offer greatest possible protection against accidental damage and assure a tight fit and dependable bearing protection. Used on machinery, motors and moving parts of every description.

Style B – Steel, Trivalent Zinc Plating

SKU	A INCHES	B INCHES	C INCHES	D INCHES
00101	1/4-32 UNEF	5/32	9/16	11/16
00102	10-32 UNF	3/16	9/16	3/4
00103	1/4-32 UNEF	3/16	9/16	3/4
00104	5/16-32 UNEF	3/16	9/16	3/4
00105	1/4-32 UNEF	1/4	3/4	3/4
00107	5/16-32 UNEF	1/4	27/32	13/16
00108	1/8-27 NPT	1/4	13/16	13/16
00110	1/8-27 NPT	9/32	7/8	29/32
00111	1/2-24 UNS	9/32	7/8	29/32
00112	1/8-27 NPT	13/32	15/32	17/32
00113	1/4-18 NPT	13/32	15/32	17/32
00114	3/8-18 NPT	3/8	19/32	17/32
00121	1/2-14 NPT	9/16	17/16	17/16

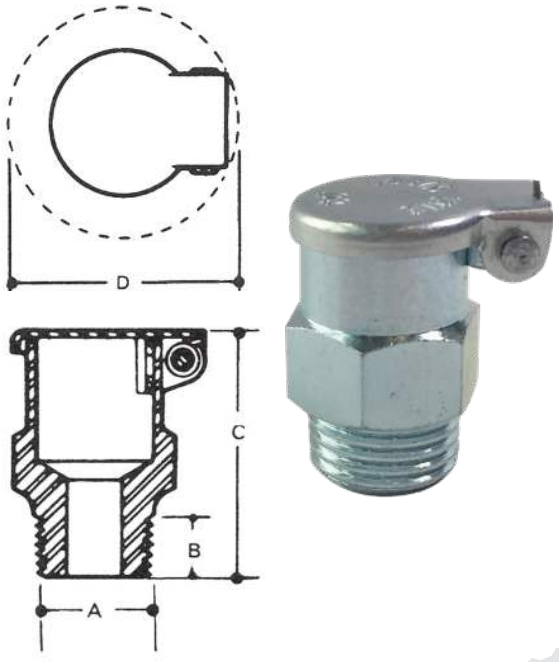


STYLE O THREADED

These substantially-built covers meet the need for extremely durable oil hole protection. Can be used where overhead clearance is limited, or where access to bearings may be difficult. Machined from solid bar stock for maximum strength and dependability. Self-closing covers prevent lubricant contamination. Hexagon wrench holds on most models. Use No. 211 and No. 230 where overhead space is limited.

Style O – Steel, Trivalent Zinc Plating

SKU	A INCHES	B INCHES	C INCHES	D INCHES
00208	1/8-27 NPT	7/32	23/32	13/16
00209	1/8-27 NPT	9/32	23/32	29/32
00211	1/4-18 NPT	3/8	31/32	17/32
00230	1/8-27 NPT	1/4	5/8	3/4



STRAIGHT OIL CUPS

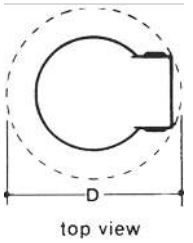
STYLE R SHOULDER DRIVE

Style R oil hole covers press-fit into a drilled hole. Slightly tapered shank assures snug fit; shoulder provides for insertion to a predetermined depth so that cover may be driven in without danger of cracking castings.

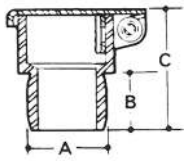
Style R – Steel, Trivalent Zinc Plating

SKU	A INCHES	DRIVE DIAMETER MIN.	MAX.	B INCHES	C INCHES	D INCHES
00300	3/16	.190	.193	7/32	15/32	3/4
*00302	1/4	.253	.255	1/4	7/16	3/4
00305	1/2	.503	.505	3/8	13/16	1 7/32
00307	3/4	.753	.755	9/16	1 3/16	1 13/16
00308	7/8	.878	.880	1/2	1 1/16	1 13/16
00308B	1	1.003	1.005	19/32	1 5/16	2 3/32
00309	1 1/4	1.253	1.255	13/16	1 11/16	2 7/16
00311	1 1/2	1.503	1.505	1/2	1 1/4	2 7/16

* Brass, zinc plated



top view



cross section

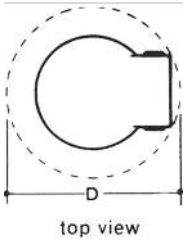


STYLE G BEADED DRIVE

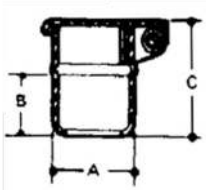
To control depth of insertion, use these oil hole covers with beaded side wall, which provides a definite insertion limit. Tapered shanks seat snugly within a drilled hole.

Style G – Steel, Trivalent Zinc Plating

SKU	A INCHES	DRIVE DIAMETER MIN.	MAX.	B INCHES	C INCHES	D INCHES
00501	1/4	.253	.255	5/32	13/32	11/16
00502	5/16	.315	.317	7/32	1/2	3/4
00503	3/8	.378	.380	7/32	17/32	25/32
00504	7/16	.441	.443	5/16	11/16	29/32



top view



cross section

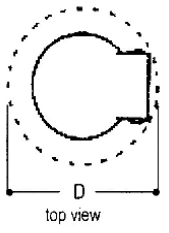


STYLE E PLAIN DRIVE

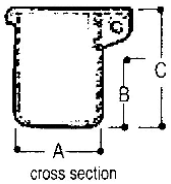
These oil covers feature a plain side wall. They are generally driven into a drilled hole up to the bottom of the staple on the cup. Small sizes may serve as an oil cup; large ones as filler caps for large reservoirs or tanks. Here is oil hole protection at minimum cost consistent with conscientious manufacturing and dependable quality. Heavy gauge drawing materials are used in making the bodies and covers.

Style E – Steel, Trivalent Zinc Plating

SKU	A INCHES	DRIVE DIAMETER MIN.	MAX.	B INCHES	C INCHES	D INCHES
00403	3/8	.378	.380	1/4	1/2	25/32
00408	1 13/64	1.206	1.208	9/16	1 1/16	2 3/32
00410	2 7/32	2.221	2.224	7/8	1 3/8	3 3/16



top view



cross section

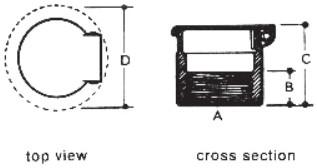


STYLE CP PIPE FITTING

Style CP cups are made at modest cost from standard wrought iron pipe couplings. These extremely sturdy oilers are used as filler caps for large reservoirs and heavy journals requiring generous oil capacity.

Style CP – Steel, Trivalent Zinc Plating

SKU	A INCHES	B INCHES	C INCHES	D INCHES	CAPACITY IN OUNCES
01305	1-11 1/2 NPT*	3/4	1 9/16	2 9/32	1



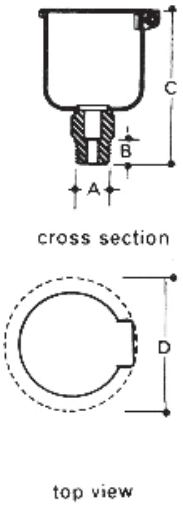


STYLE C BRAZED

Oiler bodies are fine-quality, drawn construction. Craftsmanship and care assure dependable service and long life. The shank gives a non-slip wrench hold. Body and shank are securely brazed to form a leak-proof joint.

Style C – Steel, Trivalent Zinc Plating

SKU	A INCHES	B INCHES	C INCH-ES	D INCHES	CAPACITY IN OUNCES
01001	1/8-27 NPT	5/16	1-1/2	1-7/16	5/64
01002	1/8-27 NPT	5/16	1-21/32	1-7/16	9/64
01003	1/8-27 NPT	5/16	1-29/32	1-13/16	11/32
01004	1/4-18 NPT	3/8	2	1-13/16	11/32
01006	3/8-18 NPT	3/8	2-9/16	2-7/16	1-11/32
01007	1/2-14 NPT	9/16	3-9/16	3-3/16	4-1/3
287-11 ETHER CUP	1/8-27 NPT	3/8	2	1-13/16	

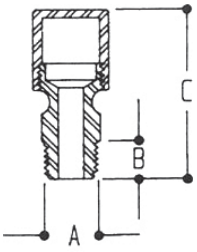


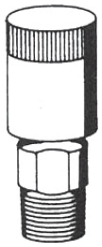


STYLE GA GREASE CUP

Style GA – Steel, Trivalent Zinc Plating

SKU	A	B INCHES	C INCHES	D INCHES	CAPACITY IN OUNCES
07002	1/8 -27 NPT	7/32	1 1/4	5/8	1/20



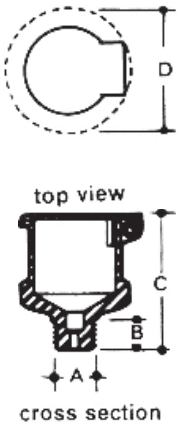


STYLE HB HEXAGON BODY

Style HB oilers combine unusual strength and extra rigid construction with durability and low cost. Machined from solid hexagon bar stock, providing a sure wrench hold. Ruggedly built to withstand abuse.

Style HB – Steel, Trivalent Zinc Plating

SKU	A INCHES	B INCHES	C INCHES	D INCHES	CAPACITY IN OUNCES
01450	1/8 – 27 NPT	7/16	15/16	1 17/32	3/64





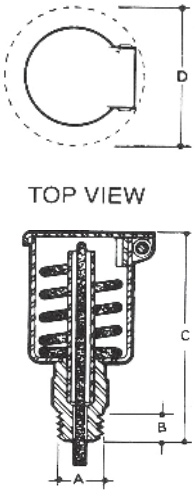
STRAIGHT OIL CUPS

STYLE WC BRAZED WICK FEED

Style WC oil cups are made by adding a standpipe and wicking to Style C oilers (See Gravity Feed Oil Cups). Especially recommended for above-the bearing applications, GITS Wick Feed oil cups have extremely sturdy construction and long life at low cost.

Style WC – Steel, Trivalent Zinc Plating

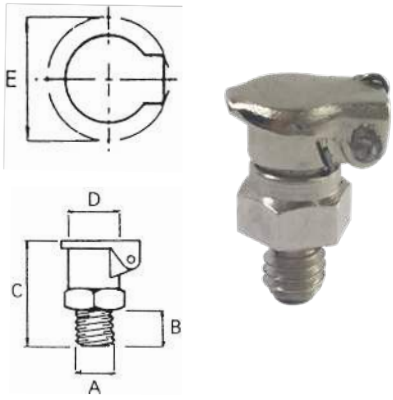
SKU	A INCHES	B INCHES	C INCHES	D INCHES	CAPACITY IN OUNCES	WICK REORDER NUMBER
02102	1/8 -27 NPT	3/8	2	1 7/32	3/32	3078-22
02103	1/8 -27 NPT	11/32	2 5/32	1 7/16	5/32	3078-21
02105	1/4 -18 NPT	3/8	2 15/32	2	5/8	3078-3
02106	3/8 -18 NPT	3/8	3 1/32	2 7/16	1 1/2	3078-18
02108	1/4 -18 NPT	7/16	3 1/2	3 13/16	4 7/8	451-1
02116	1/8 -27 NPT	3/8	2 13/32	2	5/8	3078-20



METRIC THREADED OIL CUPS

Threaded Oil Cups – Brass, Nickel Plated, Selected for applications where maximum durability and dependability are essential. Features include hexagon wrench hold for easy installation and self-closing springhinged cover

SKU	A	B MM	C MM	D MM	E MM	HEX A/FLATS
6106-1	M6 X 1	5.0	15.0	7.5	16.0	8
6107-1	M6 X 1	5.0	15.0	9.5	19.0	10
6108-1	M8 X 1	5.0	18.5	9.5	19.0	10
6109-1	M8 X 1.25	6.0	18.5	11.0	21.0	12
6110-1	M10 X 1.5	6.0	22.0	12.5	22.0	14
6111-1	M10 X 1	6.0	22.0	12.5	22.0	14
6112-1	M12 X 1.5	8.0	27.5	15.0	27.0	17

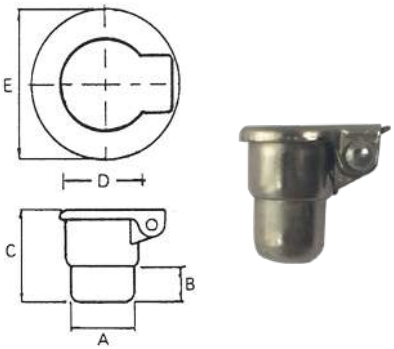


METRIC SHOULDER DRIVE

Oil hole covers for press-fit into a drilled hole. Slightly tapered shank assures snug fit; shoulder provides for insertion to a predetermined depth so that cover may be driven in without danger of cracking castings.

Threaded Oil Cups – Brass, Nickel Plated

SKU	HOLE DIAMETER	A	B MM	C MM	D MM	E MM
6125-1	10 MM	10 MM TAPER	7.1	18.3	12.7	25.4



ANGLED OIL CUPS

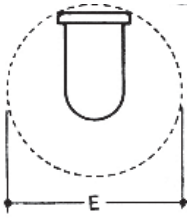
STYLE L ELBOW THREADED

Style L oilers are used extensively on motors and small machinery requiring side oiling and extremely low cost. Zinc plated, 1-piece die-casting, has flat wrench hold on most Style L screw-type oilers.

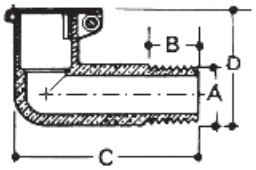
Style L Threaded – Zinc Die Cast

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES
01201	10-32 UNF	5/32	3/4	19/32	11/16
01202	1/4 -32 UNEF	3/16	3/4	19/32	11/16
01205	5/16-32 UNEF	3/16	13/32	25/32	15/16
01206	3/8-24 UNF	1/4	13/32	25/32	15/16
01207	1/8-27 NPT	1/4	13/32	25/32	15/16
366-1	6 MM X 1	3/16	3/4	19/32	11/16





front view



cross section

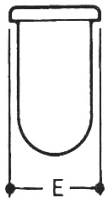
STYLE L ELBOW DRIVE-IN

Style L oilers made for drive-in assembly are one-piece die-castings. Drive shanks are accurately turned to uniform diameters for each assembly in holes drilled to size.

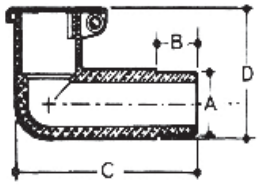
Style L Drive Stem – Zinc Die cast, Zinc Plated

SKU	A INCHES	DRIVE DIAMETER MIN.	MAX.	B INCHES	C INCHES	D INCHES	E INCHES
01219	1/4	.253	.255	1/4	1	11/16	5/16
01230	5/16	.315	.317	1/4	7/8	25/32	13/32
01233	3/16	.190	.192	5/32	19/32	3/4	1/4





front view



cross section

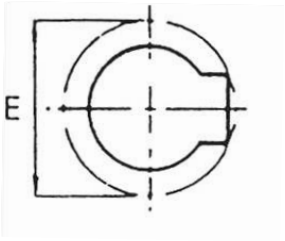
STYLE T ANGLE

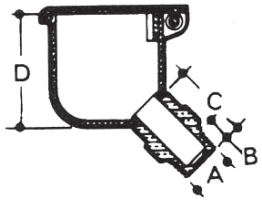
When machine design dictates neither a vertical nor horizontal fitting, Style T Angle oil cups are recommended for 45° installation. Cups are drawn from cold rolled strip and the brazed-in shank, cut from solid hexagon bar stock.

Style T – Steel, Trivalent Zinc Plating

SKU	CAPACITY IN OUNCES	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES
00902	1/8	1/8 – 27 NPT	5/16	27/32	3/4	13/4







cross section

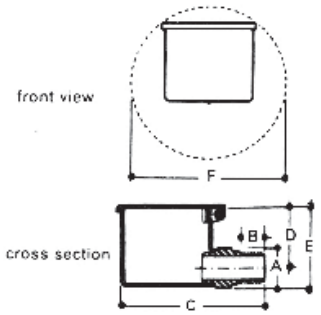
ANGLED OIL CUPS

STYLE Y ELBOW

Style Y oil cups represent quality at low cost. Oiler bodies are drawn from cold rolled strip. Shanks are machined from hexagon bar stock. Shank is secured to oiler body to form a mechanically tight connection. The joint is thoroughly brazed to further strengthen the connection and make it dependably leak-proof.

Style Y – Steel, Trivalent Zinc Plating

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES	F INCHES	CAPACITY IN OUNCES
00801	1/8-27 NPT	5/16	1-11/32	5/8	15/16	1-19/32	1/8
00803	1/8-27 NPT	5/16	1-11/16	1-3/32	1-7/16	2-5/8	1/2
00804	1/4-18 NPT	7/16	1-15/16	1	1-7/16	2-1/2	1/2
00807	3/8-18 NPT	7/16	2-13/32	1-5/8	2-1/16	4	1-7/8
00808	1/2-14 NPT	9/16	3-1/2	1-3/8	2-1/16	4	3-3/4



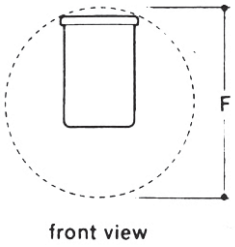


STYLE W ELBOW WICK FEED

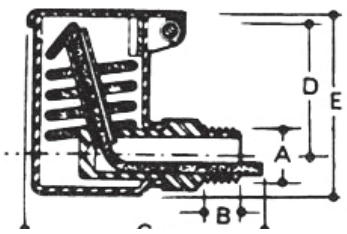
For a slow but continuous oil feed, use Style W Wick Cups (construction identical to Style Y). Wire core cotton wicking feeds by capillary action. Positively filters dirt or other foreign matter. When the oiler is filled above the top of the standpipe, surplus oil serves to flush bearing. Saturation of the wicking keeps bearing moist long after oil cup is drained.

Style W – Steel, Trivalent ZInc Plating

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES	F INCHES	CAPACITY IN OUNCES	WICK REORDER NUMBER
02003	1/8-27 NPT	3/8	1-11/16	1-1/16	1-7/16	2-5/8	3/16	3078-2





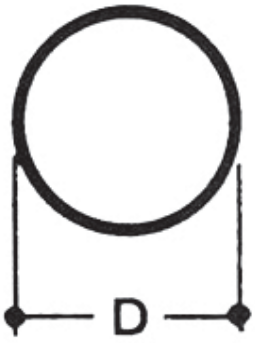


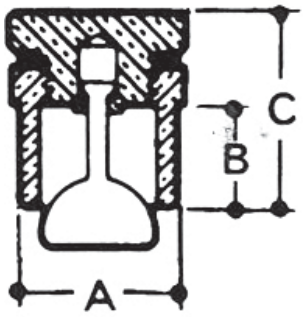
SCREW TOP THREADED

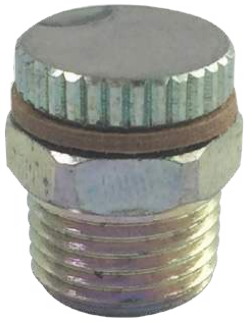
Here is vapor–tight protection for bearings – as required on many applications. Screw tops are accurately threaded for snug fit; in addition, tops are fitted with gasket to assure vapor–tight closure. For extra convenience and protection, tops are anchored to oiler body. Screw tops have a knurled edge for finger hold.

brass, zinc plated

SKU	A INCHES	B INCHES	C INCHES	D INCHES
00543	1/8 –27 NPT	7/32	17/32	17/32

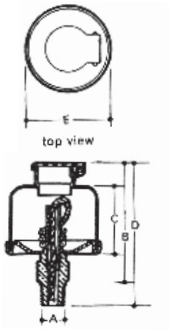






BOTTLE OILERS

This line of Wick Feed oilers has a visible oil supply and convenient spring-hinged cover for easy filling. Available with transparent ,non-yellowing reservoir. Stems are machined from solid bar stock and have a hexagon wrench hold. Metal bases are rolled tightly onto the reservoirs and the inserted filler cap is expanded to assure a secure joint. Polycarbonate oilers are highly recommended for use on new equipment.





STYLE SFA POLYCARBONATE BODY WICK FEED

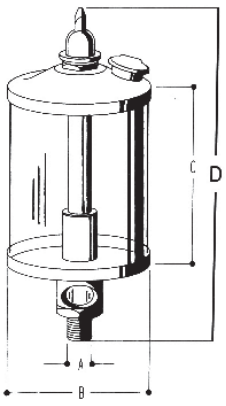
SKU	CAPACITY IN OUNCES	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES
03502	1-1/2	1/8-27 NPT	2-1/4	1-13/32	2-9/16	2-1/16
03503	1-1/2	1/4-18 NPT	2-1/4	1-13/32	2-9/16	2-1/16

STYLE 13000 LIQUID DISPENSERS

GITS offers Liquid Dispensers in glass or acrylic. Capacity range 2.5 oz. to 32 oz. Modernized, attractive design and finish improves appearance and corrosion-resistance. Its over-sized filler port makes filling easy and fast. Internal safety filter screen gives added protection. Sight gauge in stem permits monitoring of oil drops per minute. GITS Liquid Dispensers also provide a toggle "on-off" indicator to show if valve is open or closed. Vibration-proof metering adjustment ensures stable settings.

SKU	THREAD SIZE	A (DIA) INCHES	C INCHES	D INCHES	CAPACITY	STYLE
13040	1/8-27 NPT	2	5-1/4	3/8	2-1/2 OZ	STYLE 13000 - PYREX GLASS
13051	1/4-18 NPT	2-1/2	5-13/16	7/16	5 OZ	STYLE 13000 - PYREX GLASS
13052	3/8-18 NPT	2-1/2	5-7/8	1/2	5 OZ	STYLE 13000 - PYREX GLASS
13060	1/4-18 NPT	3	6-3/4	7/16	9 OZ	STYLE 13000 - PYREX GLASS
13061	3/8-18 NPT	3	6-13/16	1/2	9 OZ	STYLE 13000 - PYREX GLASS
13070	3/8-18 NPT	3-1/2	7-13/16	1/2	1 PT	STYLE 13000 - PYREX GLASS
13074	1/2-14 NPT	4-1/4	9-15/16	5/8	1 QT	STYLE 13000 - PYREX GLASS
13043	1/8-27 NPT	2	5-1/4	3/8	2-1/2 OZ	STYLE 13000 - ACRYLIC
13044	1/4-18 NPT	2	5-5/16	7/16	2-1/2 OZ	STYLE 13000 - ACRYLIC
13054	1/8-27 NPT	2-1/2	5-3/4	3/8	5 OZ	STYLE 13000 - ACRYLIC
13056	3/8-18 NPT	2-1/2	5-7/8	1/2	5 OZ	STYLE 13000 - ACRYLIC
13063	1/4-18 NPT	3	6-3/4	7/16	9 OZ	STYLE 13000 - ACRYLIC
13064	3/8-18 NPT	3	6-13/16	1/2	9 OZ	STYLE 13000 - ACRYLIC
13072	3/8-18 NPT	3-1/2	7-13/16	1/2	1 PT	STYLE 13000 - ACRYLIC
13073	1/2-14 NPT	3-1/2	7-15/16	5/8	1 PT	STYLE 13000 - ACRYLIC





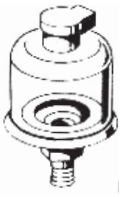
BOTTLE OILERS

STYLE CT POLYCARBONATE BODY

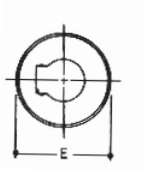
Combines the convenience of a self-closing hinged cover with the additional feature of a constantly visible oil supply. Constructed of transparent non-yellowing polycarbonate, these oilers are in particular demand for food processing machinery and similar applications where the hazard of broken glass cannot be tolerated.
brass, low luster finish, polycarbonate bottle

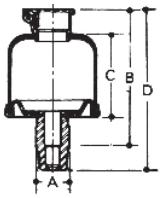
SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES	CAPACITY IN OUNCES
01052	1/8 – 27 NPT	2 1/4	1 3/8	2 11/16	1 19/32	1
01054	1/4 – 18 NPT	2 1/4	1 3/8	2 11/16	2 1/32	1 5/8





CONSTANT LEVEL OILERS SIDE ENTRY





STEEL BODY, GLASS BOTTLE

Maximum operating temperature 210F

Zinc Plated

SKU	A MM	B MM	C	D MM	E MM	CAPACITY ML
6240-1	61.0	92.0	1/4 – BSP	7.0	51.0	120.0
6241-1	61.0	92.0	1/4 – NPT	7.0	51.0	120.0



ALUMINUM ALLOY BODY – GLASS BOTTLE

maximum operating temperature 210F

Zinc plated

SKU	A MM	B MM	C	D MM	E MM	CAPACITY ML
6250-1	61.0	92.0	1/4 BSP	7.0	51.0	120.0

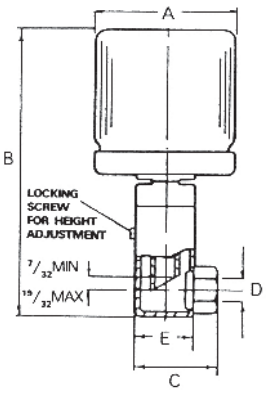


GLASS BOTTLE – HEIGHT ADJUSTABLE

maximum operating temperature 210F

Steel Body – Zinc Plating

SKU	A MM	B MIN.	B MAX.	C MM	D	E MM	CAPACITY ML
6280-1	61.0	132	142	33	1/4 NPT	26.0	120
6281-1	61.0	132	142	33	1/4 BSP	26.0	120
6282-1	64.0	189	199	33	1/4 NPT	26.0	220
6283-1	64.0	189	199	33	1/4 BSP	26.0	220
6284-1	82.0	222	232	33	1/4 NPT	26.0	500
6285-1	82.0	222	232	33	1/4 BSP	26.0	500

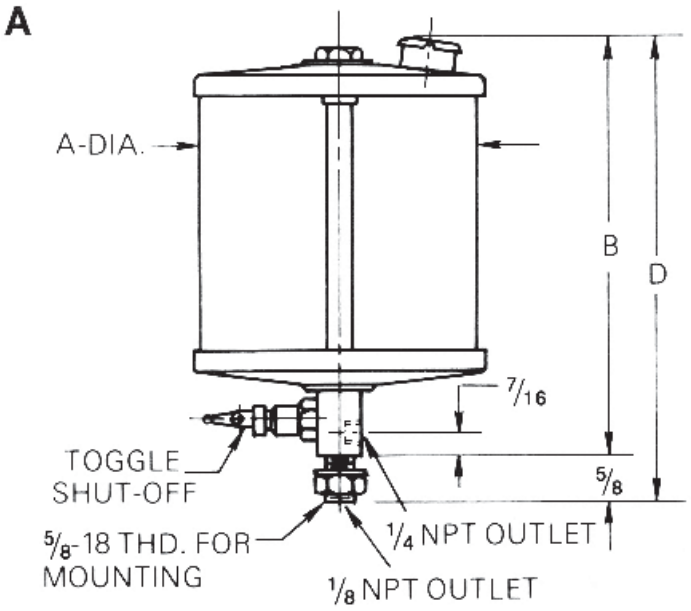


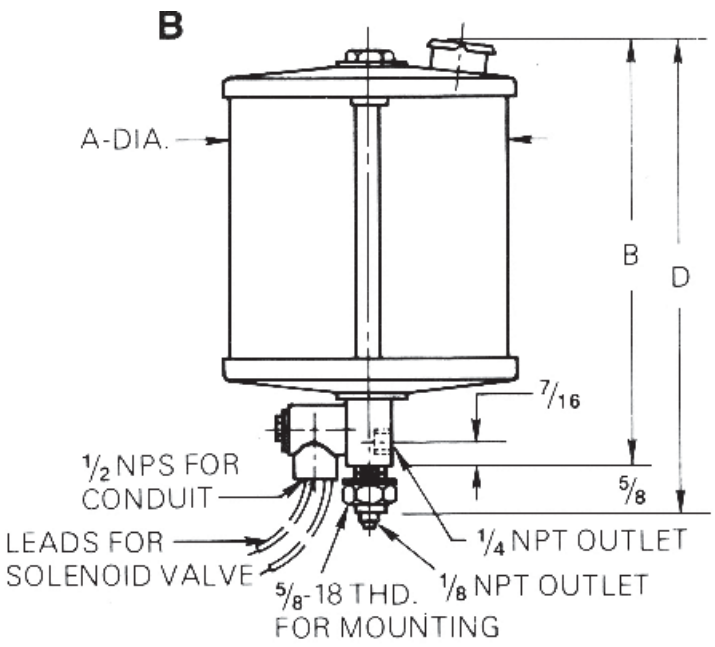


BRUSH OILERS

Brush oilers save maintenance costs, protect machines from failure, increase chain life, conserve oil and power and solve production oiling problems. See the easy to use diagram below to determine what configuration is best for your application. Transparent Acrylic reservoir permits a quick visual check of oil supply. Large, self-closing cap is easy to fill and keeps out the dirt. Flow is controlled by a valve which immediately starts or stops the gravity feeding of the sight feed valve. To mount the dispenser simply provide a bracket to hold the 5/8 x 18 NPT threaded mounting shank. Choose your reservoir, available in sizes from 1 Pint to 1 Gallon in both Manual or Solenoid Shut-Off styles. Manual valve model is easy to turn on and off by hand with the toggle mounted directly on the dispenser. Solenoid valve model is recommended for intermittent use or for remote location of dispenser. Flow is automatically controlled to stop and start with the machine driving motor. The normally closed electric solenoid valve is usally wired across the motor or to a switch or timer. These units come standard with a 115 volt coil but special coils can be ordered.

SKU	TYPE	BOTTLE	CROSS SECTION	A INCHES	B INCHES	D INCHES	CAPACITY ML	SOLENOID
09502	MANUAL	ACRYLIC	A	3-1/2	7-3/16	7-13/16	1 PT	
09503	MANUAL	GLASS	A	3-1/2	7-3/16	7-13/16	1 PT	
09504	MANUAL	ACRYLIC	A	4-1/4	8-1/2	9-1/8	1 QT	
09505	MANUAL	GLASS	A	4-1/4	8-1/2	9-1/8	1 QT	
09506	MANUAL	ACRYLIC	A	5-1/2	10-5/8	11-1/4	1/2 GAL	
09507	MANUAL	GLASS	A	5-1/2	10-5/8	11-1/4	1/2 GAL	
09508	MANUAL	ACRYLIC	A	5-1/2	15-5/8	16-1/4	GAL	
09512	AUTOMATIC	ACRYLIC	B	3-1/2	7-3/16	7-13/16	1 PT	120V/60HZ
09513	AUTOMATIC	GLASS	B	3-1/2	7 -3/16	7-13/16	1PT	120V/60HZ
09514	AUTOMATIC	ACRYLIC	B	4-1/4	8-1/2	9-1/8	1 QT	120V/60HZ
09515	AUTOMATIC	GLASS	B	4-1/4	8-1/2	9-1/8	1 QT	120V/60HZ
09516	AUTOMATIC	ACRYLIC	B	5-1/2	10-5/8	11-1/4	1/2 GAL	120V/60HZ
09517	AUTOMATIC	GLASS	B	5-1/2	10-5/8	11-1/4	1/2 GAL	120V/60HZ
09518	AUTOMATIC	ACRYLIC	B	5-1/2	15-5/8	16-1/4	GAL	120V/60HZ





BRUSH OILERS

ADDITIONAL COMPONENTS OF BRUSH OILERS

BRUSHES

For best lubrication of chain, locate brush on lower inside surface of chain so oil will penetrate links by centrifugal force. Brush should just cover width of chain. Gits Flat Brush mounted diagonally fits chain from 3/8 to 2-1/4 wide. Use standard bristles for most applications. For high-speed chain, use crimped Nylon (up to 250 deg F) or stainless steel bristles (over 250 deg F). Nylon Roto Brushes are designed for litho ovens and other heavy duty uses.

SKU	SHAPE	TYPE	DIAMETER INCHES
09562	FLAT	STAINLESS	-
09570	ROTO	NYLON	-
09571	ROTO	STAINLESS	-
09573	ROUND	NYLON	5/8"
09552	ROUND	STAINLESS	1"

STRAIGHT BRUSH HOLDER, ITEM #06565

Brush holder for brush 09561 and 09562

BRUSH ADAPTOR, ITEM # 09540

Mount brush so that bristles lightly "finger" the chain. Periodically rotate brush and reset height to compensate for brush wear. When 1/2 of an adjustment is reached brush should be replaced with new Gits brush.

SIGHT FEED VALVE, ITEM# 09530

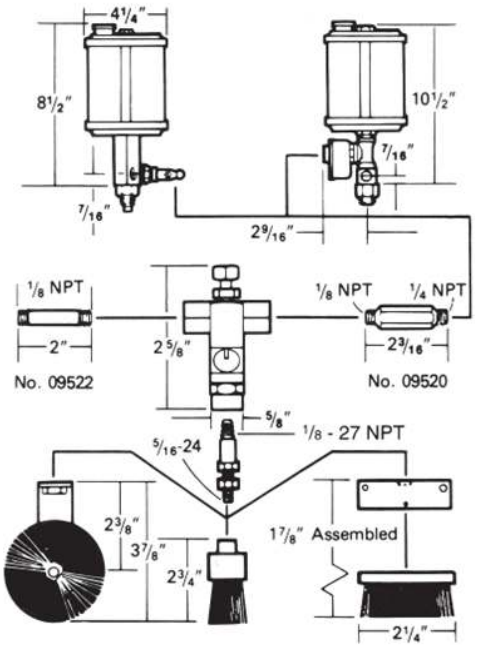
The proper oil feed is just enough to keep the bristles damp. This is easily controlled by the sight feed valve. The drops can be observed and adjusted over a wide range, or can be completely shut off. The proper setting is retained with a friction screw. IMPORTANT: Locate feed valve where it can be conveniently and safely observed and adjusted.

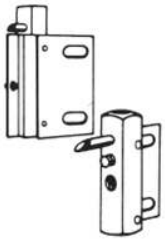
COUPLING, ITEM# 09520

This coupling is used to connect the sight feed valve to the dispenser. For remote location of the dispenser use 1/4 copper tubing and 1/8 NPT fittings between coupling and sight feed valve. Use No. 09522 to connect two or more sight feed valves together.

BRUSH OILERS

BRUSH OILERS





90° BRUSH HOLDER

FLAT	NO. 09566
ROUND	NO. 09567



SIGHT FEED VALVE
NO. 09530



09540
BRUSH ADAPTER
09520
COUPLING
09522
COUPLING



ROTO BRUSH

NYLON	NO. 09570
STAINLESS	NO. 09571

STRAIGHT BRUSH HOLDER NO. 09565



FLAT BRUSH

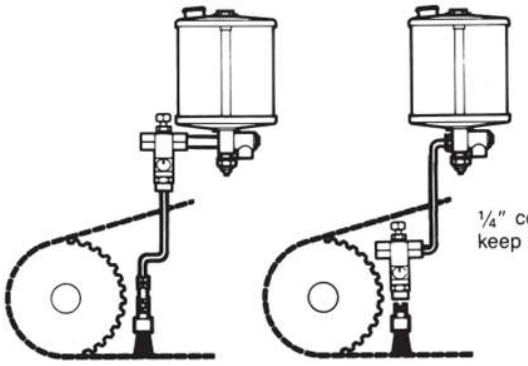
NYLON	NO. 09561
STAINLESS	NO. 09562



ROUND BRUSH 5/8" 1"

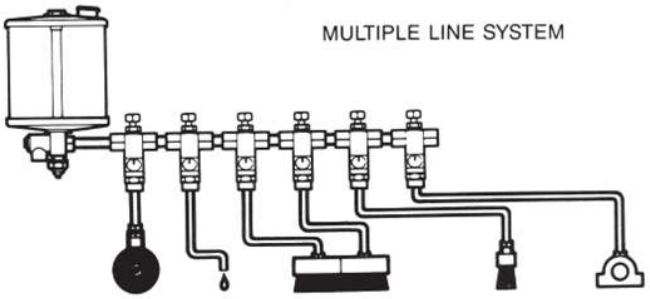
NYLON	NO. 09573 09551
STAINLESS	NO. 09574 09552

CHAIN OILER REMOTE INSTALLATION
of dispenser to meet space or safety requirements.

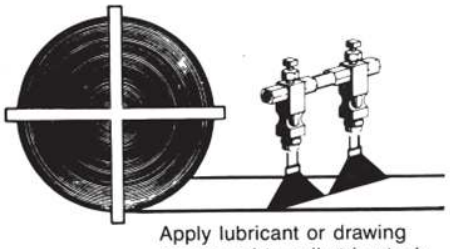


¼" copper tubing
keep as short as possible

MULTIPLE LINE SYSTEM

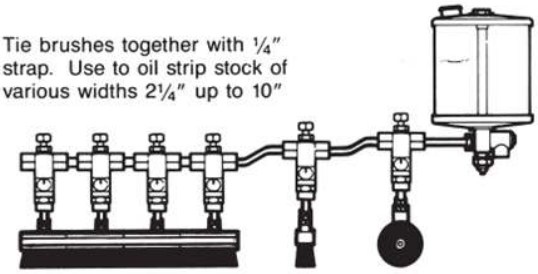


SPECIAL TIME-SAVING USES



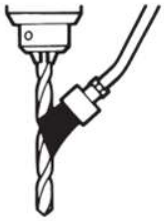
Apply lubricant or drawing compound to coil strip stock.

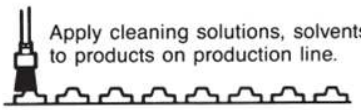
Tie brushes together with ¼" strap. Use to oil strip stock of various widths 2¼" up to 10"



SINGLE LINE SYSTEM: a series of valves and brushes can be fed from one dispenser using copper tubing as the feed line.

Clean, cool and lubricate drill bits.





Apply cleaning solutions, solvents to products on production line.

TUBING CLIP

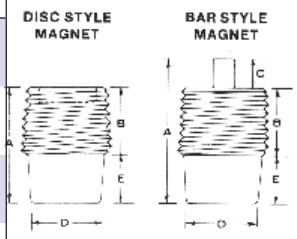
To facilitate piping connections between Gits products and the points of lubrication, Gits offers a series of tubing clips to attach tubing. All tubing clips are sold in bags of 25.

SKU	TYPE	SIZE INCHES
08258	SINGLE ITEM	1/4
08264	SINGLE ITEM	3/8
08270	DOUBLE ITEM	1/4
04323	DOUBLE ITEM	5/16
08259	2-TUBE	1/4
08242	2-TUBE	5/16
08265	2-TUBE	3/8
08260	3-TUBE	1/4



SQUARE HEAD MAGNETIC PLUGS

SKU	THREAD	A. OVER-ALL LENGTH	B. BODY LENGTH	C. MAGNET PROJECTION	D. HEAD SIZE IN./MM	E. HEAD DEPTH IN./MM	MAGNET STYLE & MATERIAL
6650-1	1/4"-18 NPTF	.96 / 24.4	.45 / 11.4	.23 / 5.8	.37 / 9.4	.28 / 7.1	NEODYMIUM
6652-1	3/8"-18 NPTF	.80 / 20.3	.47 / 11.0	-/-	.43 / 10.9	.34 / 8.6	DISC CERAMIC V
6655-1	1"-11 1/2 NPTF	1.52 / 38.6	.75 / 19.1	-/-	.81 / 20.6	.52 / 13.2	DISC CERAMIC I
6656-1	1 1/4"-11 1/2 NPTF	1.37 / 34.8	.81 / 20.6	-/-	.94 / 23.9	.56 / 14.2	DISC CERAMIC I



STYLE GB BALL VALVE OILER

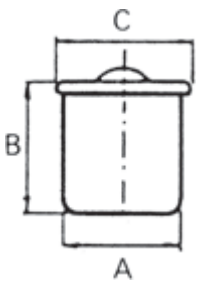
Where flush type oilers are desired, the ball valve oiler with ball valve opening provides durable, easily assembled protection requiring minimum top clearance. The easily depressed ball valve (music wire spring) instantly closes when pressure is released. Nos. 520, 521 and 522 are constructed with steel balls (Cross Section No. 1). All others feature bubble closures (Cross Section No. 2).

Style GB – Steel, Trivalent Zinc Plating

SKU	A INCHES	DRIVE DIAMETER MIN.	MAX.	B INCHES	C INCHES	D INCHES
00520	#1 3/16	.190	.192	1/4	9/32	7/32
00521	1/4	.253	255	9/32	5/16	9/32
00522	5/16	.315	.317	5/16	3/8	1/32
00523	#2 3/8	.378	.380	3/8	15/32 1	13/32

Style GB – Stainless Steel

144-16	#1 5/16	.315	.317	5/16	3/8	11/32



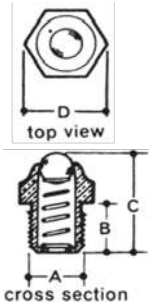


STYLE S BALL VALVE THREADED

Where a low setting, screw type oiler is desired, employ GITS Style S oiler for protection and convenience. The ball valve is held in its closed position by a sturdy, easily compressed music wire spring. These oilers are machined from solid bar stock. Hexagon wrench holds assure easy installation.

Style S – Brass, Zinc Plated

SKU	A INCHES	B INCHES	C INCHES	D INCHES
00550	1/4 -32 UNEF	7/32	7/16	3/8
00553	1/8 -27 NPT	1/4	9/16	17/32

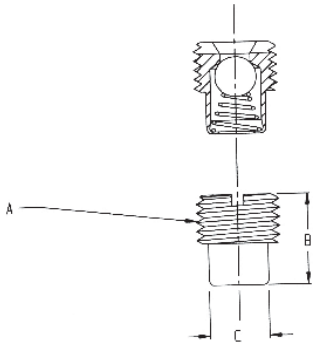




CHECK VALVE ASSEMBLIES

steel, zinc plated

SKU	A. THREAD	B. OVERALL HEIGHT	C. HOLE DIAMETER
144-31	1/4 – 20	.410	.175
144-32	3/8 – 16	.395	.250
144-33	7/16 – 20	.500	.312
144-34	5/8 – 11	.560	.392
144-35	M6 X 1	.410	.175.
144-36	M10 X 1.5	.395	250





Porthole gauges give instant check on oil levels, protecting machines against wear, failure and costly down time. Many styles and sizes of view gauges are available:

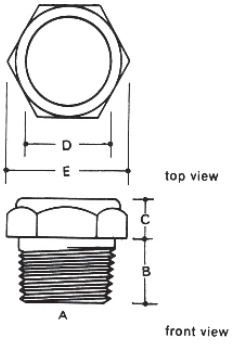
PRESS-FIT UNITS economical, factory-assembled windows and gauges.
THREADED (NPT) UNITS for windows, oil gauges, and drain plugs.
FLANGE MOUNTED UNITS designed especially for installation walls.
COLUMN GAUGES for showing wide variations in level.
SIGHT FLOW GAUGES for observing or regulating flow in a system.
FILLER TYPE GAUGES in self-closing, leak-proof and vapor tight styles.

BW-10 PORTHOLE WITH OPEN BACK

Designed for multiple use, these gauges are made for insertion in tapped els, tees or other NPT fittings and are easily installed and removed with a wrench. Turned from solid hexagon rod, this rugged unit comes factory assembled with clear glass window firmly held between two gaskets by rolled edge of body. Recommended maximum pressures listed for styles BW-10 and BW-20 allow safe margins for variations in application and installation.

Style BW-10 – Steel, Trivalent Zinc Plating

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES	PRESSURE PSI
04040	3/8-18	1/2	11/32	15/32	1	75
04041	1/2-14	17/32	7/16	37/64	1-1/4	75
04042	3/4-14	17/32	7/16	3/4	1-1/2	50
04043	1 ~ 11-1/2	11/16	1/2	1	1-13/16	25
04044	1-1/4 ~ 11-1/2	11/16	1/2	1-9/32	2-1/4	10
04045	1-1/4 ~ 11-1/2	11/16	1/2	1-9/32	2-1/2	10
04046	2-11 1/2	11/16	1/2	2	3-1/8	2.5





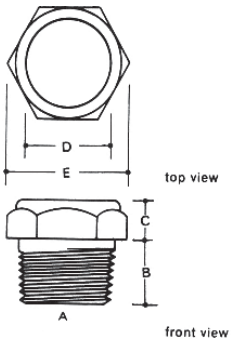
Maximum operating temperature 250 °F

BW-20 PORTHOLE WITH REFLECTOR

Designed for multiple use, these gauges are made for insertion in tapped els, tees or other NPT fittings and are easily installed and removed with a wrench. Turned from solid hexagon rod, this rugged unit comes factory assembled with clear glass window firmly held between two gaskets by rolled edge of body. Same as BW-10 with the addition of a white reflector to show oil level more clearly. Recommended maximum pressures listed for styles BW-10 and BW-20 allow safe margins for variations in application and installation.

Style BW-20 – Steel, Trivalent Zinc Plating

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES	PRESSURE PSI
04052	1/2-14	17/32	7/16	37/64	1-1/4	75
04053	3/4-14	17/32	7/16	3/4	1-1/2	50
04054	1 ~ 11-1/2	11/16	1/2	1	1-13/16	25
04055	1-1/4 ~ 11-1/2	11/16	1/2	1-9/32	2-1/4	10
04056	1-1/2 ~ 11-1/2	11/16	1/2	1-9/32	2-1/2	10
04057	2-11 1/2	11/16	1/2	2	3-1/8	2.5



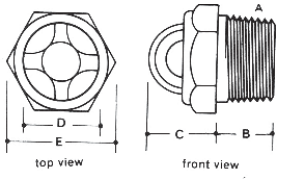


Maximum operating temperature 250 °F

BW-40 OBSERVA-DOME

Oil level is easy to read from any angle- side or front. Outer dome is clear, strong plastic. White plastic inner dome makes oil level stand out in dim light.

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES
04119	3/4 – 14	17/32	13/16	15/16	1 1/2
04120	1–11 1/2	11/16	13/16	15/16	1 13/16
04121	1 1/4 – 11 1/2	11/16	1	1 1/4	2 1/4
04122	1 1/2 – 11 1/2	11/16	1 3/16	1 11/16	2 1/2





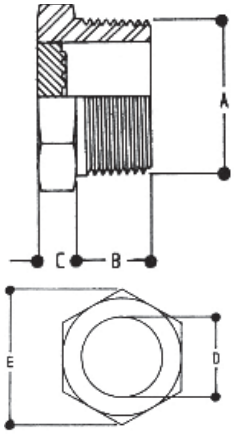
Maximum recommended conditions: 10 psi to 100°F, 2 psi to 160°F

BW-50 HEAVY DUTY, THREADED

The glass window is fused directly to the body to make a leak tight unit without the use of elastomer "O" rings or gaskets. Bodies are plated and have hexagon heads with pipe thread stems. Table shows the hydrostatic pressures that the units are designed to withstand for one minute at 68° F. The user is to select a margin of safety appropriate to the use.

Style BW-50 – Steel, Electro-less Nickel Plated

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES	PSI
04402	3/4 -14	5/8	5/16	3/4	1 5/16	3000
04403	1–11 1/2	3/4	5/16	15/16	1 5/8	2500
04404	1 1/4 -11 1/2	13/16	13/32	1 3/16	2 1/8	2000
04405	1 1/2 -11 1/2	13/16	13/32	1 7/16	2 5/16	1500





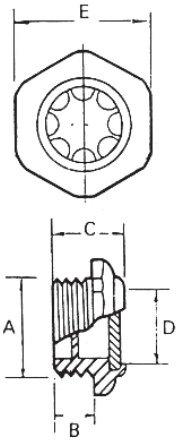
Maximum operating temperature is 500° F.

ALUMINUM BSP AND METRIC THREADED

Aluminum Threaded with Heat Resistant Glass and Reflector

SKU	A	B MM	C MM	D MM	E MM
6326-2	1/4 BSP	8	13.5	8	17
6327-2	3/8 BSP	8	13.8	11	22
6328-2	1/2 BSP	0	15	15	27
6329-2	3/4 BSP	1–	17	20	32
6330-2	1 BSP	14	22.5	25	41
6331-2	1 1/4 BSP	14	22.5	33	50
6332-2	1 1/2 BSP	14	22.5	38	55



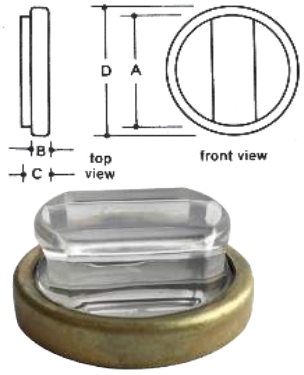


Maximum working pressure 45 PSI. Maximum working temperature 160°F

DW-30 PRESS-FIT, HIGH VISIBILITY COLUMN

For easy reading of precise liquid levels, use this unique gauge to show level and condition of oil or a pale liquid. This unit is great at a distance or in dim light. Window is a one-piece insert of clear, strong plastic in which the oil appears suspended in a column against a brilliant white background.

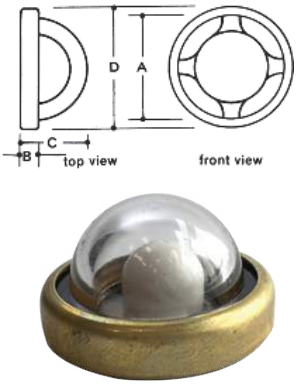
SKU	BORE IN.	A INCHES	B INCHES	C INCHES	D INCHES
04110	1.250 +.002/-000	1	5/16	1/2	1.25
04112	2.000 +.002/-000	1-3/4	11/32	1/2	2.00



DW-40 PRESS FIT OBSERVA-DOME

An economical gauge to protect machines, located in out-of-the-way places, from failure due to lack of oil. The oil level is easy to spot from any angle. Outer dome is clear, resilient plastic. White plastic inner dome makes the oil level visible even in dim light. Use in applications where flat windows are difficult to observe.

SKU	BORE IN.	A INCHES	B INCHES	C INCHES	D INCHES
04100	1.250 +.002/-000	15/16	5/16	3/4	1.250
04101	1.500 +.002/-000	1-1/4	5/16	31/32	1.500
04102	2.000 +002/-000	1-11/16	5/16	1-5/32	2.000

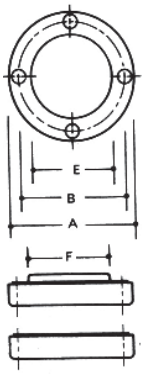


CW-10 FLANGE MOUNTED WITH OPEN BACK

This window permits observation of internal parts or allows a quick check on the level or condition of oil. The CW-20 is identical with the addition of a reflector.

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES	F INCHES
04150	1-5/8	1-5/16	19/64	35/64	3/4	3/4
04151	1-7/8	1-9/16	3/8	11/16	1	1
04152*	2-1/4	1-7/8	25/64	11/16	1-1/4	1-1/4
04154*	3-1/8	2-11/16	7/16	3/4	2	2

Maximum working pressure 10 PSI . Maximum working temperature 250° F



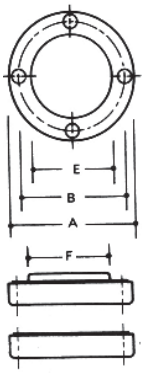


CW-20 FLANGE MOUNTED WITH REFLECTOR

This gauge is the same as CW-10 with the addition of a white reflector to show the oil level more clearly.

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES	F INCHES
04030	1-5/8	1-5/16	19/64	35/64	3/4	3/4
04031	1-7/8	1-9/16	3/8	11/16	1	1
04032*	2-1/4	1-7/8	25/64	11/16	1-1/4	1-1/4
04033	2-9/16	2-5/32	3/8	45/64	1-1/2	1-1/2
04035*	3-1/8	2-11/16	7/16	3/4	2	2

Maximum working pressure 10 PSI . Maximum working temperature 250° F



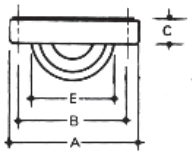


CW-40 OBSERVA-DOME GAUGE

With this gauge, the oil level is easy to read from any angle. The outer dome is clear, resilient plastic. The white plastic inner dome makes the oil level stand out in dim light.

SKU	A INCHES	B INCHES	C INCHES	D INCHES	E INCHES
04141	2-1/4	1-7/8	3/8	7/8	1 1/4

Maximum recommended condtions 10PSI 100° F, 2 PSI 160° F



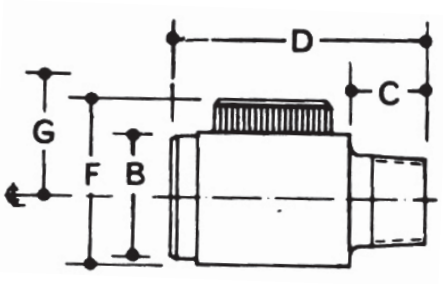


STYLE SGL VAPOR-TIGHT PORTHOLE

A special-purpose oil gauge designed for horizontal application where a fully vapor-tight oiler is necessary to keep oil from leaking out. Body and shank are machined from solid bar stock. Both models have a threaded screw cap which is gasketed to prevent absorption of acid fumes or other vapors by the oil. The cap is attached by a ball chain to the inside of the gauge body to prevent dropping and loss. Sight glass is securely gasketed, and backed by a white enameled reflector to make oil level more readily visible.

SKU	STOCK THREAD	B INCHES	C INCHES	D INCHES	E INCHES	F INCHES
04259*	1/2-14*	23/32	9/16	1-15/16	1-1/4	15/16

*Female





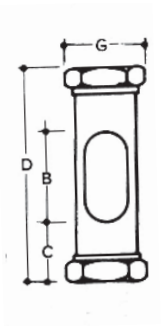
STYLE OL SIGHT FLOW, OIL LINE

Style OL sight gauges, machined from hexagon bar stock, permit operators to check oil from either front or rear window. Sight glass has heavy oil-proof gaskets both top and bottom.

Aluminum, Gold Anodized

SKU	STOCK THREAD TOP NPT	STOCK THREAD BOTTOM NPT	B INCHES	C INCHES	D INCHES	G INCHES
04281	1/4-18*	1/4-18*	1 1/16	23/32	2-13/32	1
04282	3/8-18*	3/8-18*	1	9/16	2-3/8	1-9/32
04286	1/2-14*	1/2-14*	1-1/8	29/32	29/32	1-5/8

Maximum working pressure 120 PSI. Maximum working temperature -40°F to 250°F. *Female



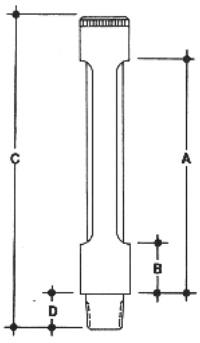


LIQUID LEVEL GAUGES

These liquid level column view gauges are of sturdy one-piece aluminum construction. The sight windows are cut full length to provide easy viewing of a wide range of liquid levels. The screw-type vented cap is knurled for easy removal by hand to permit cleaning of the inside of the glass. Sight glass is securely locked between two heavy gaskets. The body has a gold anodized finish. VFG used where oil gauge cannot be extended outwardly by means of an elbow.

SKU	STYLE VFG NPT STOCK THREADS	A INCHES	B INCHES	C INCHES	D INCHES
15303	1/8-27	3-1/16	3/4	4-7/16	5/8
15305	1/8-27	4-1/4	1	5-5/8	5/8
15312	1/4-18	2-1/2	3/4	3-3/4	1/2
15313	1/4-18	3-1/16	3/4	4-7/16	5/8
15314	1/4-18	3-1/2	3/4	4-7/8	5/8
15316	1/4-18	4-1/2	1	5-7/8	5/8
15317	1/4-18	5-1/2	1	6-7/8	5/8
15318	1/4-18	6-1/2	1	7-7/8	5/8
15321	3/8-18	4-1/4	1	5-5/8	5/8
15322	3/8-18	4-1/2	1	5-7/8	5/8
15323	3/8-18	5-1/2	1	6-7/8	5/8
15324	3/8-18	6-1/2	1	7-7/8	5/8
15332	1/2-14	4-1/2	1	5-7/8	5/8
15333	1/2-14	5-1/2	1	6-7/8	5/8
15334	1/2-14	6-1/2	1	7-7/8	5/8

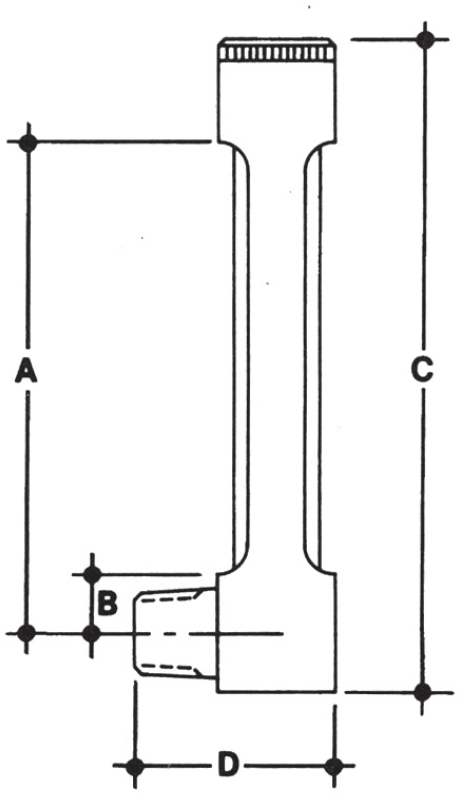




LIQUID LEVEL GAUGES

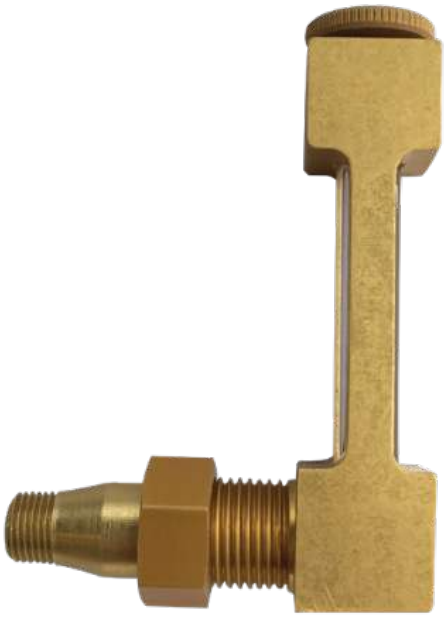
SKU	STYLE VFG NPT STOCK THREADS	A INCHES	B INCHES	C INCHES	D INCHES
15202	1/8–27	2–1/8	3/8	3–1/4	1–3/8
15203	1/8–27	2–11/16	3/8	3–13/16	1–3/8
15212	1/4–18	2–1/8	3/8	3–1/4	1–3/8
15213	1/4–18	2–11/16	3/8	3–13/16	1–3/8
15214	1/4–18	3–1/8	3/8	4–1/4	1–3/8
15215	1/4–18	3–3/4	1/2	5	1–5/8
15216	1/4–18	4	1/2	5–1/4	1–5/8
15218	1/4–18	6	1/2	7–1/4	1–5/8
15221	3/8–18	3–3/4	1/2	5	1–5/8
15222	3/8–18	4	1/2	5–1/4	1–5/8
15223	3/8–18	5	1/2	6–1/4	1–5/8
15224	3/8–18	6	1/2	7–1/4	1–5/8
15231	1/2–14	3–3/4	1/2	5	1–5/8
15232	1/2–14	4	1/2	5–1/4	1–5/8
15233	1/2–14	5	1/2	6–1/4	1–5/8
15234	1/2–14	6	1/2	7–1/4	1–5/8

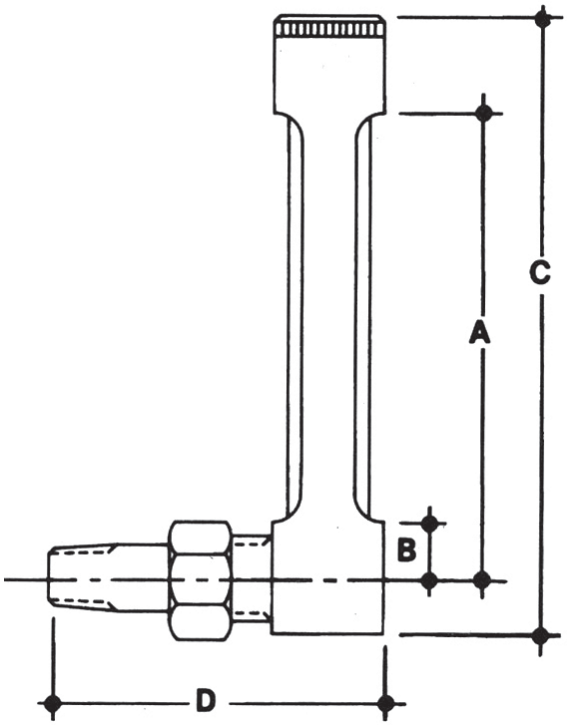




LIQUID LEVEL GAUGES

SKU	STYLE FG W/ UNION COUPLING NPT STOCK THREADS	A INCHES	B INCHES	C INCHES	D INCHES
15402	1/8–27	2–1/8	3/8	3–1/4	2–1/2
15403	1/8–27	2–11/16	3/8	3–13/16	2–1/2
15412	1/4–18	2–1/8	3/8	3–1/4	2–1/2
15413	1/4–18	2–11/16	3/8	3–13/16	2–1/2
15414	1/4–18	3–1/8	3/8	4–1/4	2–1/2
15415	1/4–18	3–3/4	1/2	5	2–3/4
15416	1/4–18	4	1/2	5–1/4	2–3/4
15417	1/4–18	5	1/2	6–1/4	2–3/4
15418	1/4–18	6	1/2	7–1/4	2–3/4
15421	3/8–18	3–3/4	1/2	5	3
15422	3/8–18	4	1/2	5–1/4	3
15423	3/8–18	5	1/2	6–1/4	3
15424	3/8–18	6	1/2	7–1/4	3
15431	1/2–14	3–3/4	1/2	5	3–1/8
15432	1/2–14	4	1/2	5–1/4	3–1/8
15433	1/2–14	5	1/2	6–1/4	3–1/8
15434	1/2–14	6	1/2	7–1/4	3–1/8





COLUMN VIEW GAUGES WITH OR WITHOUT THERMOMETER

Fluid level and temperature of liquids in reservoirs can be checked instantly with Gits column view gauges. Designed to mount flush against the outside surface of liquid storage vessels, these gauges are used for applications such as tanks, reservoirs, packaged hydraulic equipment, steel mill pumps, and hydraulic presses. The liquid reaches the sight glass through the lower hollow mounting bolt. Large oil passages yield a quick level response.

MOUNTING

On open tanks with drilled holes, use back mounted gauges fastened from the inside with nuts provided for the 1/2–20 mounting studs. On closed tanks where wall thickness permits tapping, use front mounted gauges installed from the outside by means of 1/2–20 hexagonal head mounting bolts provided.

THERMOMETERS

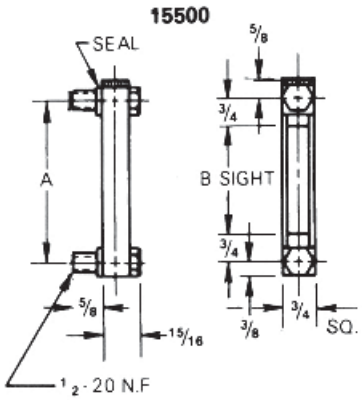
One–inch dial (0 – 220 F) is standard. The sensing element is fully protected and extends into the tank for accurate temperature indication.

MATERIAL AND OPERATING CONDITIONS

Metal parts are steel protected by zinc plate. O–ring seals are Buna N standard, with Viton A, or Ethylene Propylene available by special order. Sight is gauge glass. Maximum pressure is 125 P.S.I. for gauges up to 36 inches. Maximum temperature is 220 F.

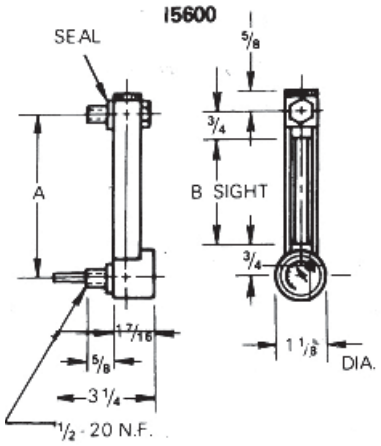
COLUMN VIEW GAUGES – SERIES 15500 W/ THERMOMETER

SKU	A. MOUNTING CENTERS	B. SIGHT OPENINGS
15504	4	2–1/2
15505	5	3–1/2
15506	6	4–12
15508	8	6–1/2
15509	9	7–1/2
15511	11	9–1/2



SERIES 15600 W/ THERMOMETER

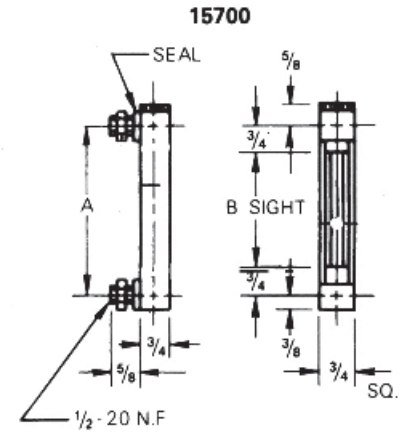
SKU	A. MOUNTING CENTERS	B. SIGHT OPENINGS
15603	3	1–1/2
15604	4	2–1/2
15605	5	3–1/2
15606	6	4–12
15607	7	5–1/2
15608	8	6–1/2
15609	9	7–1/2
15610	10	8–1/2
15612	12	10–1/2



COLUMN VIEW GAUGES WITH OR WITHOUT THERMOMETER

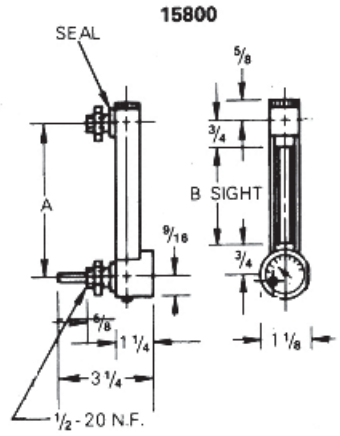
COLUMN VIEW GAUGES – SERIES 15700 W/O THERMOMETER

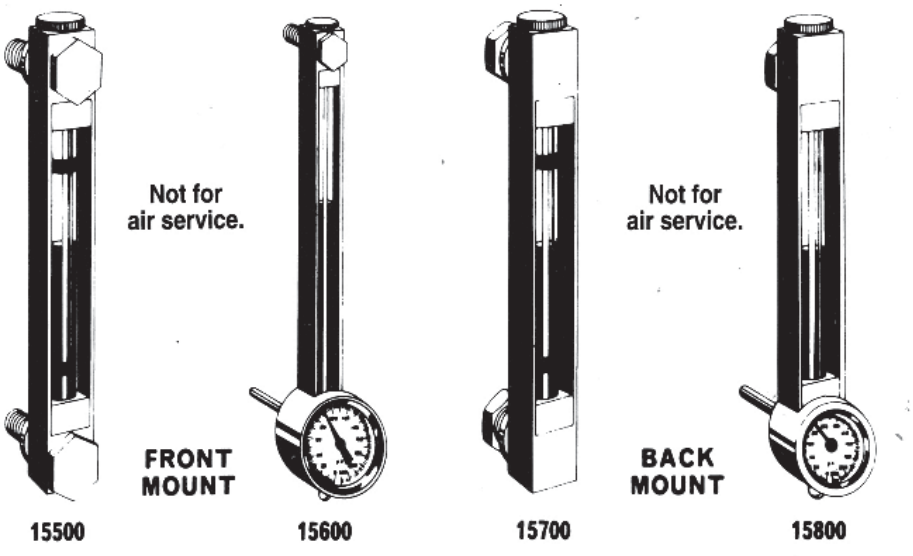
SKU	A. MOUNTING CENTERS	B. SIGHT OPENINGS
15703	3	1–1/2
15704	4	2–1/2
15706	6	4–12
15707	7	5–1/2
15708	8	6–1/2
15709	9	7–1/2
15710	10	8–1/2
15711	11	9–1/2
15712	12	10–1/2



COLUMN VIEW GAUGES – SERIES 15800 W/O THERMOMETER

SKU	A. MOUNTING CENTERS	B. SIGHT OPENINGS
15803	3	1–1/2
15804	4	2–1/2
15805	5	3–1/2
15806	6	4–1/2
15808	8	6–1/2
15810	10	8–1/2
15812	12	10–1/2





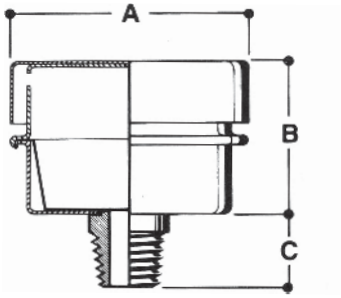
EXPANSION CHAMBERS

The Gits Expansion chamber absorbs surges and expansion of gas or fluids in a closed system. Expansion is provided by the movement of a tough, elastic diaphragm enclosed in a protective steel chamber. On machines with lip-type seals it reduces pressure buildup which can cause seal failure. At the same time it prevents the contamination which enters open systems through conventional means of open venting. Ideal for use in wet, dusty or hot environments, the Gits Expansion Chamber can extend the life of seals, bearings and gears, and can also lengthen the life of lubricants and hydraulic fluids. Provided in a range of standard sizes and capacities, the Gits Expansion Chamber can be customized on application to be used a transducer or actuator.

Steel, zinc plated

SKU	THREAD	A	B	C	CAPACITY CU. IN.
1010-0500000	1/2-14 NPT	2-7/8	1-1/4	1-1/4	5
1010-104001	3/8-18 NPT	2-5/8	3-7/16	1-1/8	10.4
1010-2	3/8-18 NPT	3-5/8	2-3/8	7/8	16.0
1010-1	3/4-14 NPT	3-5/8	2-3/8	1 1/4	16.0
1010-8	1/4-18 NPT	3-11/16	2-3/8	1 3/4	16.25
1010-6	1/2-14 NPT	3-5/8	2-3/8	1	16.25
1010-025001**	1/2-14 NPT	3-5/8	3-11/16	1	25.0
1010-025002	1/2-14 NPT	3-5/8	3-11/16	1	25.0
1010-28*	1/2-14 NPT	7	3-1/16	1	86
1010-070000*	1/2-14 NPT	7-1/16	2-5/8	1-1/16	70.0
1010-18*	1/2-14 NPT	7	3	1-1/16	80.0
1010-23**	1/2-14 NPT	7	3	3	80.0
1010-150000**	3/4-14 NPT	7	7-13/32	1-15/32	150.0





** Spring loaded positive pressure
* Not exact dimensions, call Gits for a print

STYLE 1611 FILTERED PRESSURE/VACUUM RELIEF VENTS

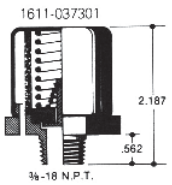
These multi-purpose breather vents safeguard against extreme pressure or vacuum build-up while filtering out dust and other contaminates which can impair the functioning of expensive equipment.

HOW IT WORKS:

1. As internal pressure nears the pre-set cracking level, it presses the plunger upward until the resilient seal clears the port, allowing the outflow of air.

2. Since this vent permits two-way air flow, it can also relieve a vacuum which can cause cavitation. The vacuum is cracked when the plunger is pulled down from the seal, allowing an inrush of air.

SKU	THREAD	FILTER	PRESSURE RELIEF PSI	PRESSURE RELIEF FLOW	VACUUM RELIEF PSI	VACUUM RELIEF FLOW
1611-037301	3/8-18 NPT	25 MICRON	4 ±0.5	10 CFM @10 PSI	0 TO 0.5	1.5 CFM @0.6 PSI
1612-037401	3/8-18 NPT	25 MICRON	1.75 ±0.75	40 CFM @10 PSI	0 TO 0.5	1.0 CFM @0.6 PSI
1612-037405	3/8-18 NPT	10 MICRON	1.75 ±0.75	40 CFM @10 PSI	0 TO 0.5	1.0 CFM @0.6 PSI





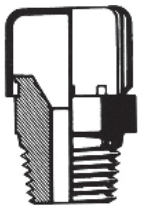
STYLE 1631, 1632 AND 1633 BREATHER VENTS

Designed for rugged industrial applications, these breathers maintain safe, equalized pressure in a unit even when it is being filled or under sudden changes in ambient temperature. Choices of filtration are available. Style 1631, having no air filter, permits straight-through flow of air. Style 1632 has a screen filter and Style 1633 has a screen plus two layers of Nylon for filtration. For recommendations for your application contact Gits.

STYLE 1631 - OPEN VENT - STEEL, TRIVALENT ZINC PLATING

SKU	THREAD	A INCHES	B INCHES	C INCHES
1631-012001	1/8-27 NPT	1/9-32	1/2	5/8
1631-025001	1/4-18 NPT	1-11/32	3/4	7/8
1631-037001	3/8-18 NPT	1-11/32	3/4	7 /8
1631-050001	1/2-14 NPT	1-15/32	7/8	1
1631-075001	3/4-14 NPT	1-11/16	1-1/2	1-1/2

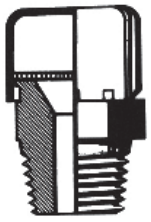
1631



STYLE 1632 - SCREEN FILTER - STEEL, TRIVALENT ZINC PLATING

SKU	THREAD	A INCHES	B INCHES	C INCHES
1632-012001	1/8-27 NPT	1-9/32	1/2	5/8
1632-025001	1/4-18 NPT	1-11/32	3/4	7/8
1632-037001	3/8-18 NPT	1-11/32	3/4	7/8
1632-050001	1/2-14 NPT	1-15/32	7/8	1
1632-075001	3/4-14 NPT	1-11/16	1-1/2	1-1/2

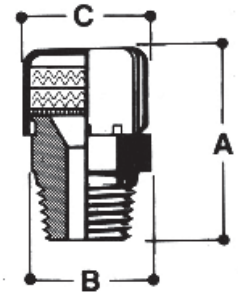
1632



STYLE 1633- OPEN VENT - STEEL, TRIVALENT ZINC PLATING

SKU	THREAD	A INCHES	B INCHES	C INCHES
1633-012801	1/8-27 NPT	1-9/32	1/2	5/8
1633-025801	1/4-18 NPT	1-11/32	3/4	7/8
1633-037801	3/8-18 NPT	1-11/32	3/4	7/8
1633-050801	1/2-14 NPT	1-15/32	7/8	1
1633-075801	3/4-14 NPT	1-11/16	1-1/4	1-1/2
1633-1602	M16-2 PIPE THREAD	1-15/32	7/8	1
1633-2402	M16-2 PIPE THREAD	1-11/16	1-1/4	1-1/2

1633





STYLE 1637 LOW PROFILE BREATHER VENT

Style 1637 Breather Vents are designed for use in differentials, transmissions, gearboxes and other applications where space is at a premium and ease of installation is required. These steel breathers provide a low profile design. Of particular interest is the fact that they can be installed and removed with automatic tools allowing for fast handling. These units are designed for rugged use and are available in four versions: open, pressure relief, filtered and baffled.

SKU	THREAD	TYPE	A INCHES	B INCHES	C INCHES
1637-037805	1/4-18 NPT	OPEN	3/4	3/4	7/8
1637-037806	1/4-18 NPT	PRESSURE RELIEF 1-3 PSI OPEN	3/4	3/4	7/8
1637-037807	1/4-18 NPT	FILTERED	3/4	3/4	7/8
1637-037808	1/4-18 NPT	BAFFLED	3/4	3/4	7/8

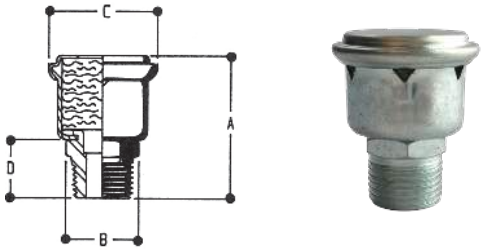


STYLE 1637 FILTERED BREATHER VENT

This popular style offers greater filtered air flow with better protection against clogging from dirt accumulating on the equipment. The design incorporates more vent ports and they are located higher on the body of the unit for greater clearance. The standard Style 1637 is provided with a screen and two layers of Nylon for filtration. It can be ordered with a screen filter only, or non-filtered for straight-through air flow. These breathers are ideally suited to maintain equalized pressure in axle differentials and transmissions, also in industrial gearboxes and transmissions. This prevents damage to seals due to change in ambient temperatures, on-off cycles or during filling

.

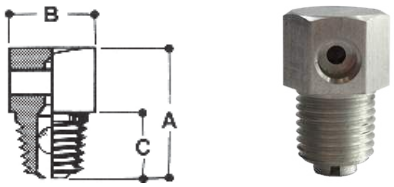
SKU	THREAD	A INCHES	B INCHES	C INCHES	D INCHES
1637-025800	1/4-18 NPT	1-1/2	11/16	1-1/4	5/8
1637-037800	3/8-18 NPT	1-1/2	11/16	1-1/4	5/8
1637-050800	12-1/14 NPT	1-13/16	7/8	1-1/4	7/8



STYLE 1651 LEAK CONTROL BREATHER

This breather was designed especially for a vehicle gasoline tank to prevent a pressure build-up and to minimize leakage if the tank or vehicle turns over. The unit allows free flow of air to vent the tank when in normal position. When the tank is turned more than 90 deg from normal position, the ball acts as a baffle which restricts the amount of leakage, reduces fire hazard and eliminates pressure build-up which could rupture the tank.

SKU	THREAD	BALL	A INCHES	B INCHES	C INCHES	FILTER
1651-025026	1/4-18 NPT	S.S.	1	5/8	1/2	NO



STYLE 1654 LOW PROFILE BREATHER VENT

Style 1654 is a low-profile design with a sintered bronze filter. Designed for rugged use, these breathers can be installed with automatic tools, allowing for fast handling.

SKU	THREAD	HEX SIZE INCH	OVERALL HEIGHT INCH
1654-012800	1/8 NPT	5/8	9/16
1654-025800	1/4 NPT	13/16	3/4

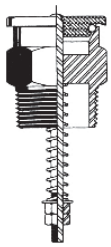


Relief vents are designed to protect storage tanks from over pressure and allow product discharge without manually opening a cover. Patented designs incorporate a unique seal that allows the tank to maintain a positive pressure below the set pressure thereby protecting the tank contents from contamination. The vacuum relief feature is designed to increase discharge rate and prevent tanks from deforming under negative tank pressures. These units were originally designed to provide accurate pressure in portable chemical storage tanks, but can be used in a wide variety of applications. The low profile design prevents impact damage in the field.

STYLE 1657 1 1/4" PRESSURE ONLY RELIEF VENT

This pressure relief vent is available in stainless steel. The release pressures are factory set to your requirements within pressure ranges of .5 through 10.0 psig. Additional pressure relief ranges are available upon request. A full range of seal materials are available to work with your chemical and environmental needs.

SKU	MATERIAL	O-RING MATERIAL	PRESSURE (PSI)
1657-1257XX	316 STAINLESS STEEL	VITON, BUNA	.5-10.0

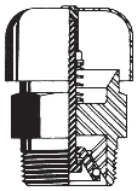




STYLE 1656 1 1/4" VACUUM ONLY RELIEF VENT

The vacuum only style vent is available in stainless steel. Release pressures are factory set to your requirements. A full range of seal materials are available to work with your chemical and environmental needs.

SKU	MATERIAL	O-RING MATERIAL	VACUUM (PSI)
1656-1259XX	316 STAINLESS STEEL	VITO, BUNA N	0.5

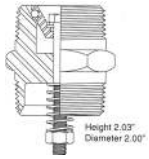




STYLE 1659 1 1/4" IN-LINE RELIEF VENT

This pressure or vacuum style vent is available in stainless steel. Threads on both ends allow vent to be installed inline or used to capture exhaust fumes. This vent can be factory set to your pressure relief requirements. A full range of seal materials are available to work with your chemical and environmental needs.

SKU	MATERIAL	O-RING MATERIAL	PRESSURE (PSI)	VACUUM (PSI)	PRESSURE (PSI)
1659-1259XX	316 STAINLESS STEEL	VITON, BUNA, PTFE, EPDM	2.5-5.0	0.25, 0.5, 0.75, 1.0	2.5-5.0

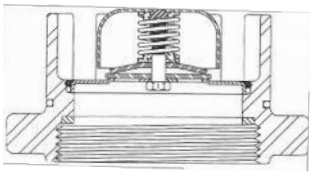




STYLE 1661 3" FOUR-IN-ONE

The Four-In-One fusible cap combines four features into one compact device. It is a bulk storage tank fill cap, high temperature fusible device, pressure relief vent and an integral vent guard. The fusible link is unbreakable and includes cable and hardware to mount to the tank. The vent guard provides roll over protection. A full range of seal materials is also available to work with your chemical and environmental needs. Thread 3" NPS Female

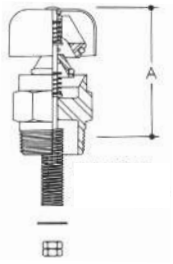
SKU	MATERIAL	O-RING MATERIAL	PRESSURE (PSI)	FUSIBLE TEMPERATURE (°F)
1661-300800	316 STAINLESS STEEL	EPDM	9	197



Relief vents are designed to protect storage tanks from over pressure and allow product discharge without manually opening a cover. Patented designs incorporate a unique seal that allows the tank to maintain a positive pressure below the set pressure thereby protecting the tank contents from contamination. The vacuum relief feature is designed to increase discharge rate and prevent tanks from deforming under negative tank pressures. These units were originally designed to provide accurate pressure in portable chemical storage tanks, but can be used in a wide variety of applications.

STYLE 1655 1" PRESSURE/VACUUM RELIEF VENTS

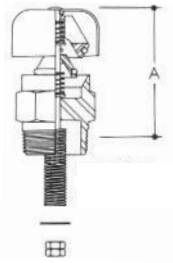
SKU	MATERIAL	O-RING MATERIAL	PRESSURE (PSI)	VACUUM (PSI)
1655-1008XX	316 STAINLESS STEEL	VITON	4-7	0.25, 0.5, 0.75, 1.0





STYLE 1655 1 1/4" PRESSURE/VACUUM RELIEF VENTS

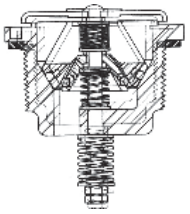
SKU	MATERIAL	O-RING MATERIAL	PRESSURE (PSI)	VACUUM (PSI)
1655-1258XX	316 STAINLESS STEEL	VITON, BUNA, PTFE, EPDM	0.25-35	0.25, 0.5, 0.75, 1.0





STYLE 1655 2" LOW PROFILE PRESSURE/VACUUM RELIEF VENT~HEAVY DUTY STAINLESS STEEL

SKU	MATERIAL	O-RING MATERIAL	PRESSURE (PSI)	VACUUM (PSI)
1655-2008XX	316 STAINLESS STEEL	VITON, BUNA, PTFE, EPDM	0.25-41	0.25, 0.5, 0.75, 1.0, 2.0





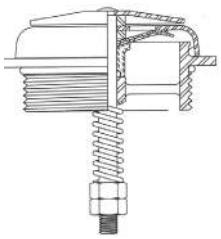
STYLE 1655 2" LOW PROFILE PRESSURE/VACUUM RELIEF VENT~POLYETHYLENE OR POLYPROPYLENE

SKU	MATERIAL	O-RING MATERIAL	PRESSURE (PSI)	VACUUM (PSI)
1655-2008XX	POLYETHYLENE, POLYPROPYLENE	VITON, BUNA, PTFE, EPDM	0.25-30	0.25, 0.5, 0.75, 1.0, 2.0



STYLE 1656 2" NEW STYLE LOW PROFILE PRESSURE/VACUUM RELIEF VENT~POLYETHYLENE

SKU	MATERIAL	O-RING MATERIAL	VACUUM (PSI)	PRESSURE (PSI)
1656-2008XX	POLYETHYLENE	VITON, EPDM	3.0-10.0	0.125, 0.25, 0.5





STYLE 1656 2" NPT ALUMINUM LOCKABLE PRESSURE/VACUUM VENT

SKU	MATERIAL	O-RING MATERIAL	VACUUM (PSI)	PRESSURE (PSI)
1656-200832	ALUMINUM	VITON	7.0	0.5

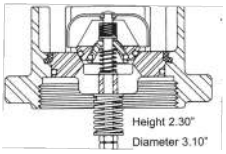


STYLE 1661 3" FIVE-IN-ONE

The Five-In-One fusible cap combines five features into one compact device. It is a bulk storage tank fill cap, high temperature fusible device, pressure relief vent, and vacuum relief vent with integral vent guard. The fusible link is unbreakable and includes cable and hardware to mount to the tank. The vent guard provides roll over protection. This fill cap is an all in one venting solution for UN31A tanks. A full range of seal materials is also available to work with your chemical and environmental needs.

SKU	HEIGHT	DIAMETER	MATERIAL	O-RING MATERIAL	VACUUM (PSI)	PRESSURE (PSI)
1661-3009XX	2.60"	3.9"	STAINLESS STEEL	VITON, BUNA, PTFE, EPDM	1.0-9.0	0.5

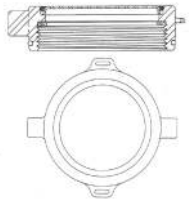




STYLE 1657 3" NPS FUSIBLE FILL CAP

Gits stainless steel fusible fill cap has an innovative, unbreakable fusible ring seal. It provides standard flow rates of 110,000 CFH at 250 degrees F and 5.0 PSIG. Cable lanyard and hardware for attachment to tank are included.

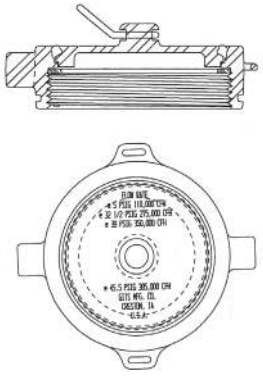
SKU	MATERIAL	O-RING MATERIAL
1657-3009XXX	316 STAINLESS STEEL	VITON, BUNA-N, PTFE, EPDM



STYLE 1657 STANDARD 3" NPS FUSIBLE FILL CAP

Original design with cast center housing. Not available with innovative unbreakable fusible ring seal. It provides standard flow rates of 110,000 CFH at 250 degrees F. Cable lanyard and hardware, or chain hook for use with your chain are included

SKU	MATERIAL	O-RING MATERIAL
1657-3009XX	316 STAINLESS STEEL	VITON, BUNA-N, PTFE, EPDM



The "Take-Apart" GITS shaft seal was specifically designed to offer ease in assembly and field maintenance without any modification to existing equipment. The design permits easy component replacement, such as o-ring or spring, if necessary. This feature practically eliminates the need to replace the entire seal if one component shows wear. The "Take-Apart" design promotes the concept that special materials for o-rings and mating rings can be substituted for standard materials upon request.



CONSTRUCTION

The standard materials of construction are a carbon seal nose; NiResist mating ring; and Buna-N O-rings and gaskets. All metal hardware is stainless steel.



CAPABILITIES

Gits seals are designed for effective oil and lubricant retention over long periods of time under rugged conditions. Our standard units operate at 0 to 10 psi; 10° to 250° F temperature and up to 3000 FPM speed at seal face.



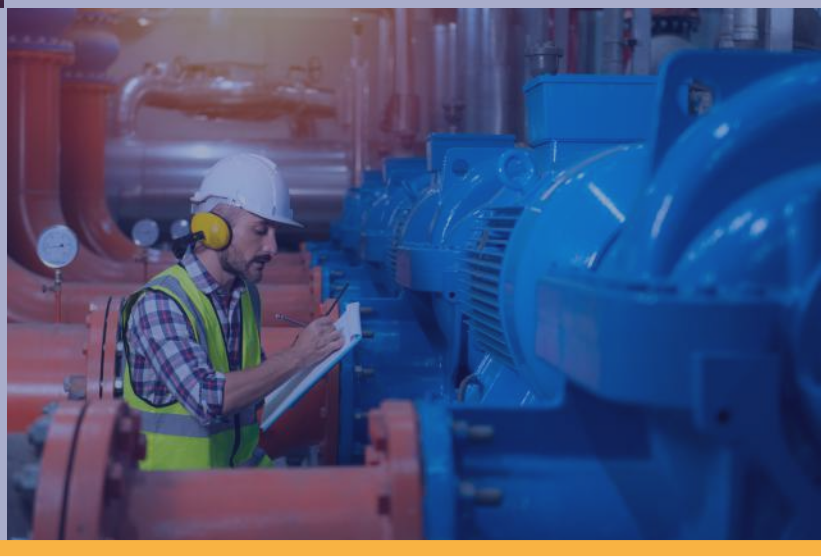
GROUP	SERIES NUMBER	SHAFT DIA. NOMINAL	A. SEAL BORE REF	B. SEAL O.D. 0.002 -0.000	C. WORK-ING LENGTH ±0.030	D. MAJOR DIA. LENGTH REF	E. SHELL LENGTH ± 0.010	F. MATING RING REF	G. MINOR CASE DIA ± 0.015.
1	510-0025-000	1/4	0.312	1.064	0.531	0.218	0.468	0.625	0.875
2	510-0031-	5/16	.437.	1.127	0.593	0.281	0.531	0.687	0.937
	510-0037-	3/8	.437.	1.127	0.593	0.281	0.531	0.687	0.937
3	510-0043-	7/16	0.625	1.314	0.593	0.281	0.531	0.875	1.125
	510-0050-	1/2	0.625	1.314	0.593	0.281	0.531	0.875	1.125
	510-0056-	9/16	0.625	1.314	0.593	0.281	0.531	0.875	1.125
4	510-0062-	5/8	0.843	1.502	0.593	0.281	0.531	1.062	1.312
	510-0068-	11/16	0.843	1.502	0.593	0.281	0.531	1.062	1.312
	510-0075-	3/4	0.843	1.502	0.593	0.281	0.531	1.062	1.312
5	510-0081·	13/16	0.937	1.689	0.687	0.312	0.625	1.25	1.500
	510-0087-	7/8	0.937	1.689	0.687	0.312	0.625	1.25	1.500
6	510-0093-	15/16	1.043	1.814	0.687	0.312	0.625	1.375	1.625
	510-0100-	1.000	1.043	1.814	0.687	0.312	0.625	1.375	1.625
7	510-0106-	1-1/16	1.218	2.127	0.75	0.343	0.687	1.593	1.875
	510-0112-	1-1/8	1.218	2.127	0.75	0.343	0.687	1.593	1.875
8	510-0118-	1-3/16	1.343	2.252	750	0.343	0.687	1.718	2.000
	510-0125-	1-1/4	1.343	2.252	750	0.343	0.687	1.718	2.000
9	510-0131-	1-5/16	1.593	2.502	0.812	0.375	0.687	1.968	2.250
	510-0137-	1-3/8	1.593	2.502	0.812	0.375	0.687	1.968	2.250
	510-0143-	1-7/16	1.593	2.502	0.812	0.375	0.687	1.968	2.250
	510-0150-	1-1/2	1.593	2.502	0.812	0.375	0.687	1.968	2.250
10	510-0156-	1-9/16	1.718	2.627	0.812	0.375	0.75	2.093	2.375
	510-0162-	1-5/8	1.718	2.627	0.812	0.375	0.75	2.093	2.375
11	510-0168-	1-11/16	1.828	2.752	0.812	0.375	0.75	2.218	2.500

GROUP	SERIES NUMBER	SHAFT DIA. NOMINAL	A. SEAL BORE REF	B. SEAL O.D. 0.002 –0.000	C. WORK-ING LENGTH ±0.030	D. MAJOR DIA. LENGTH REF	E. SHELL LENGTH ± 0.010	F. MATING RING REF	G. MINOR CASE DIA ± 0.015.
	510-0175-	1-3/4	1.828	2.752	0.812	0.375	0.75	2.218	2.500
12	510-0181-	1-13/16	1.953	2.877	0.812	0.375	0.75	2.343	2.625
	510-0187-	1-7/8	1.953	2.877	0.812	0.375	0.75	2.343	2.625
13	510-0193-	1-15/16	2.093	3.252	0.812	0.375	0.75	2.625	3.000
	510-0200-	2.000	2.093	3.252	0.812	0.375	0.75	2.625	3.000
14	510-0206-	2-1/16	2.312	3.502	0.875	0.406	0.812	2.875	3.250
	510-0212-	2-1/8	2.312	3.502	0.875	0.406	0.812	2.875	3.250
	510-0218-	2-3/16	2.312	3.502	0.875	0.406	0.812	2.875	3.250
	510-0225-	2-1/4	2.312	3.502	0.875	0.406	0.812	2.875	3.250
15	510-0231-	2-5/16	2.562	3.752	0.875	0.406	0.812	3.125	3.500
	510-0237-	2-3/8	2.562	3.752	0.875	0.406	0.812	3.125	3.500
	510-0243-	2-7/16	2.562	3.752	0.875	0.406	0.812	3.125	3.500
	510-0250-	2-1/2	2.562	3.752	0.875	0.406	0.812	3.125	3.500
16	510-0256-	2-9/16	2.812	4.002	0.937	0.437	0.875	3.375	3.625
	510-0262-	2-5/8	2.812	4.002	0.937	0.437	0.875	3.375	3.625
	510-0268-	2-11/16	2.812	4.002	0.937	0.437	0.875	3.375	3.625
	510-0275-	2-3/4	2.812	4.002	0.937	0.437	0.875	3.375	3.625
17	510-0281-	2-13/16	3.093	4.502	0.937	0.437	0.875	3.781	4.125
	510-0287-	2-7/8	3.093	4.502	0.937	0.437	0.875	3.781	4.125
	510-0293-	2-15/16	3.093	4.502	0.937	0.437	0.875	3.781	4.125
	510-0300-	3.000	3.093	4.502	0.937	0.437	0.875	3.781	4.125
18	510-0306-	3-1/16	3.343	4.752	1.000	0.437	0.937	4.031	4.375
	510-0312-	3-1/8	3.343	4.752	1.000	0.437	0.937	4.031	4.375
	510-0318-	3-3/16	3.343	4.752	1.000	0.437	0.937	4.031	4.375
	510-0325-	3-1/4	3.343	4.752	1.000	0.437	0.937	4.031	4.375
19	510-0331-	3-5/16	3.593	5.002	1.000	0.437	0.937	4.281	4.625
	510-0337-	3-3/8	3.593	5.002	1.000	0.437	0.937	4.281	4.625
	510-0343-	3-7/16	3.593	5.002	1.000	0.437	0.937	4.281	4.625
	51-0350-	3-1/2	3.593	5.002	1.000	0.437	0.937	4.281	4.625
20	510-0356-	3-9/16	3.843	5.252	1.000	0.437	0.937	4.531	4.875
	510-0362-	3-5/8	3.843	5.252	1.000	0.437	0.937	4.531	4.875
	510-0368	3-11/16	3.843	5.252	1.000	0.437	0.937	4.531	4.875
	510-0375-	3-3/4	3.843	5.252	1.000	0.437	0.937	4.531	4.875
21	510-0381-	3-13/16	4.093	5.502	1.000	0.437	0.937	4.781	5.125
	510-0387-	3-7/8	4.093	5.502	1.000	0.437	0.937	4.781	5.125
	510-0393-	3-15/16	4.093	5.502	1.000	0.437	0.937	4.781	5.125
	510-0400-000	4.000	4.093	5.502	1.000	0.437	0.937	4.781	5.125









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