

PRODUCT GUIDE

“Better By Design”™
Since 1955

Lansas®
PRODUCTS

MANUFACTURED BY
VANDERLANS & SONS, INC.

www.lansas.com
(800)452-4902

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Lansas[®] PRODUCTS

Manufactured by Vanderlans & Sons, Inc.

“WE JUST MADE THE BEST TEST PLUGS BETTER”™

4 years ago, we began evaluating our entire product line. We looked at all designs from top to bottom and we analyzed every step of the manufacturing process. In doing so, new ideas were developed and new automation was put in place. We found new materials and worked with our chemists to modify existing formulas. Through this process 3 patents have been applied for and the LANSAS 5-Line™ was born. The 5-Line™ currently consists of testing equipment and several plug designs. As a standard, all 5-Line™ items will be equipped with the LANSAS **RP2** Rupture Protection device. The LANSAS **RP2** virtually eliminates catastrophic bursting of Pipe Plugs from over-inflation due to user error, misuse, faulty gauges or regulators. This relief valve is designed to open and reset repeatedly. Your 5-Line™ plug will always remain in service unlike valves by other manufacturers with one time use breakable discs. The 5-Line™ derives its name from the 5 YEAR WARRANTY that all 5-Line™ items have as a standard.





New

5-LINE MULTI-SIZE FRONT & BACK PLUGS



The new 5-Line™ Multi-Size Front and Back Plugs are *better* in a number of ways. The most noticeable difference is in the very unique new design featuring the LANSAS proprietary “Flat-Rib”™ design which holds 60% more back pressure than standard O-ring ribbed plugs. We are using our improved reformulated rubber and laying the fabric in a way that the plugs can get the widest range of use on the market today. As with all other LANSAS products included in the 5-Line™ group, our 5-Line™ Multi-Size Front and Back plugs are equipped with the LANSAS RP2 Rupture Protection. We trust in this design enough to back it with the 5-Line™ 5 YEAR WARRANTY. If you are looking for the most Return on Investment look no further than the LANSAS 5-Line™ where once again it shows LANSAS is BETTER BY DESIGN™ since 1955.

**Custom Designs
 Are Always™ Available**

⚠ WARNING
 BLOCK PLUGS TO PREVENT MOVING!
 Safety Instructions are sent with each new plug or they can be downloaded from the Lansas website at www.lansas.com.

DOMEHEAD™ FRONT & BACK PLUGS

Patent # 5,785,090 Patent # 5,379,802 Patent # 4,079,755

THE LANSAS DOMEHEAD™ is the most durable multi-size pipe plug available. The unique design of this plug is covered under two U.S. patents. The first patent relates to the 2-ply of cross biased tire cord reinforcement (more on larger sizes). This design allows for controlled expansion of the plug. As this plug inflates it gets larger in diameter and shorter in length. By changing the shape of the plug rather than stretching the rubber we are able to make contact in the pipe at a lower pressure. This gives us higher contact pressure per square inch at an overall lower inflation pressure. Contact area and pressure are everything. The second patent covers our superior end design. The ends are reinforced with a steel “spider™” ring wrapped in fabric. The fabric extends from the spider™ into the body of the plug. This advanced design transfers the stress of the inflation through the fabric to the steel spider™ ring leaving the bond at the base plate at a more relaxed state.



RUPTURE PROTECTED DOMEHEAD™ PLUGS

LANSAS RUPTURE PROTECTED PLUGS have a built in air relief valve that will prevent the plug from being over inflated due to faulty gauges or operator error. Once the valves cracking pressure is reached the Lansas RP™ Valve will open relieving the excess pressure. The RP™ Valve will reset at, or just below the required inflation pressure for the plug.

RP™ RUPTURE PROTECTED PLUG

Features:

- Eliminate operator error
- No broken discs to be replaced
- Plug stays in service
- Valve is recessed to prevent damage
- RP™ valves now available on most Multi Size Plugs manufactured by Lansas Products
- Don't be sold by cheap imitations of the original
- Another original design by Lansas Products



LANSAS Newly Redesigned Protective Sleeves

The LANSAS Protective Sleeve now has large D-Rings in place of the typical loops you see on other manufacturer's sleeves. This simple design improvement is superior in strength and makes it much easier to restrain the sleeve using the LANSAS SMART-SECURE™ Protective Sleeve Cable Restraint System. These D-Rings are tied into the sleeve with 2-Ply's of biased cord fabric for added strength to ensure years of reliable service. LANSAS Protective Sleeves help protect the plug while in the pipeline saving it from damage from debris, degraded pipe, barnacles, and more while in the pipeline. Additionally, it protects the Pipe Plug, your real investment, while on harsh job sites when stored improperly or simply from being moved from spot to spot during normal use. LANSAS Protective Sleeves often times can be repaired at the LANSAS Factory Warehouses where repairs are completed.

IMPROVED



ITEM 1 IN PRICE LIST

5 LINE MULTI-SIZE PLUGS

MULTI-SIZE BACK PLUG

PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	BYPASS SIZE	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER				LENGTH	DEFLATED DIAMETER	WEIGHT
550-816	7.4"	16.25"	30 psi	15 psi	N/A	32.0"	7.3"	14 lbs.
550-1018	9.1"	18.25"	30 psi	15 psi	N/A	35.0"	9.0"	21 lbs.
550-1224	10.6"	24.25"	30 psi	15 psi	N/A	41.5"	10.5"	30 lbs.

MULTI-SIZE FRONT PLUG

551-1018	9.1"	18.25"	30 psi	15 psi	3/4" + 1/4"	35.0"	9.0"	26 lbs.
551-1224	10.6"	24.25"	30 psi	15 psi	3/4" + 1/4"	41.5"	10.5"	37 lbs.

ITEM 2 & 4 IN PRICE LIST

MULTI-SIZE DOMEHEAD™ BACK PLUG

PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER			LENGTH	DEFLATED DIAMETER	WEIGHT
050-46	3.5"	6.25"	30 psi	15 psi	9.5"	3.5"	1 lbs.
050-610	5.3"	10.25"	30 psi	15 psi	19.7"	5.0"	4 lbs.
050-812	7.3"	12.25"	25 psi	15 psi	20.0"	7.0"	8 lbs.
050-1016	9.5"	16.25"	25 psi	15 psi	30.0"	9.30"	19 lbs.
050-1218	11.5"	18.25"	25 psi	15 psi	30.0"	11.0"	29 lbs.
050-1224	11.5"	24.25"	25 psi	15 psi	41.0"	11.0"	33 lbs.
050-1530	14.0"	30.25"	20 psi	8 psi	55.0"	13.0"	48 lbs.
050-1530RP	14.0"	30.25"	20 psi	8 psi	55.0"	13.0"	50 lbs.
050-2036	19.0"	36.25"	20 psi	8 psi	64.0"	18.5"	71 lbs.
050-2036RP	19.0"	36.25"	20 psi	8 psi	64.0"	18.5"	73 lbs.
050-2448	22.0"	48.25"	15 psi	8 psi	84.0"	21.5"	102 lbs.
050-2448RP	22.0"	48.25"	15 psi	8 psi	84.0"	21.5"	104 lbs.
050-3660	34.5"	60.25"	10 psi	6 psi	84.0"	29.5"	187 lbs.
050-3660RP	34.5"	60.25"	10 psi	6 psi	84.0"	29.5"	189 lbs.
050-4278	37.0"	78.25"	10 psi	6 psi	101.0"	37.0"	314 lbs.
050-4278RP	37.0"	78.25"	10 psi	6 psi	101.0"	37.0"	316 lbs.
050-4872	46.0"	72.25"	10 psi	6 psi	84.0"	43.5"	331 lbs.
050-4872RP	46.0"	72.25"	10 psi	6 psi	84.0"	43.5"	333 lbs.
050-5496	53.0"	96.25"	10 psi	6 psi	114.0"	51.0"	496 lbs.
050-5496RP	53.0"	96.25"	10 psi	6 psi	114.0"	51.0"	498 lbs.
050-6096	58.0"	96.25"	10 psi	6 psi	110.0"	56.0"	515 lbs.
050-6096RP	58.0"	96.25"	10 psi	6 psi	110.0"	56.0"	517 lbs.

ITEM 3 & 4 IN PRICE LIST

MULTI-SIZE DOMEHEAD™ FRONT

PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	BY-PASS SIZES	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER				LENGTH	DEFLATED DIAMETER	WEIGHT
051-46	3.5"	6.25"	30 psi	15 psi	1/4" + 1/4"	9.5"	3.5"	2 lbs.
051-610	5.3"	10.25"	30 psi	15 psi	1/2" + 1/4"	18.0"	5.0"	7 lbs.
051-812	7.3"	12.25"	25 psi	15 psi	3/4" + 1/4"	20.0"	7.0"	10 lbs.
051-1016	9.5"	16.25"	25 psi	15 psi	3/4" + 1/4"	27.5"	9.30"	20 lbs.
051-1218	11.5"	18.25"	25 psi	15 psi	3/4" + 1/4"	28.5"	11.0"	30 lbs.
051-1224	11.5"	24.25"	25 psi	15 psi	3/4" + 1/4"	41.0"	11.0"	35 lbs.
051-1530	14.0"	30.25"	20 psi	8 psi	3/4" + 1/4"	55.0"	13.0"	50 lbs.
051-1530RP	14.0"	30.25"	20 psi	8 psi	3/4" + 1/4"	55.0"	13.0"	52 lbs.
051-2036	19.0"	36.25"	20 psi	8 psi	3/4" + 1/4"	64.0"	18.5"	73 lbs.
051-2036RP	19.0"	36.25"	20 psi	8 psi	3/4" + 1/4"	64.0"	18.5"	75 lbs.
051-2448	22.0"	48.25"	15 psi	8 psi	3/4" + 1/4"	84.0"	21.5"	105 lbs.
051-2448RP	22.0"	48.25"	15 psi	8 psi	3/4" + 1/4"	84.0"	21.5"	107 lbs.
051-3660	34.5"	60.25"	10 psi	6 psi	3/4" + 1/4"	84.0"	29.5"	190 lbs.
051-3660RP	34.5"	60.25"	10 psi	6 psi	3/4" + 1/4"	84.0"	29.5"	192 lbs.
051-4278	37.0"	78.25"	10 psi	6 psi	3/4" + 1/4"	101.0"	37.0"	318 lbs.
051-4278RP	37.0"	78.25"	10 psi	6 psi	3/4" + 1/4"	101.0"	37.0"	320 lbs.
051-4872	46.0"	72.25"	10 psi	6 psi	3/4" + 1/4"	84.0"	43.5"	335 lbs.
051-4872RP	46.0"	72.25"	10 psi	6 psi	3/4" + 1/4"	84.0"	43.5"	337 lbs.
051-5496	53.0"	96.25"	10 psi	6 psi	3/4" + 1/4"	114.0"	51.0"	501 lbs.
051-5496RP	53.0"	96.25"	10 psi	6 psi	3/4" + 1/4"	114.0"	51.0"	503 lbs.
051-6096	58.0"	96.25"	10 psi	6 psi	3/4" + 1/4"	110.0"	56.0"	520 lbs.
051-6096RP	58.0"	96.25"	10 psi	6 psi	3/4" + 1/4"	110.0"	56.0"	522 lbs.

NOTE: 10" x 16" PLUGS AND LARGER HAVE 2 INFLATION PORTS. (1) STANDARD 1/4" (F) NPT AND (1) SECONDARY 1/2" (F) NPT.

ITEM 2 & 4 IN PRICE LIST

PROTECTIVE SLEEVES

PART NUMBER	FITS PLUGS WITH NOTED PART NUMBERS	WEIGHT
069-610	050-610, 051-610	2.5 lbs.
069-610FT	093-610	2.5 lbs.
069-812	050-812, 051-812	3 lbs.
069-812FT	092-812, 094-812, 096-812	3 lbs.
059-816	550-816	5 lbs.
069-1016	050-1016, 051-1016	6 lbs.
069-1016FT	094-1016, 096-1016, 098-1016	6 lbs.
059-1018	550-1018, 551-1018	8 lbs.
069-1218	050-1218, 051-1218	10 lbs.
069-1218FT	094-1218, 096-1218, 098-1218	10 lbs.
059-1224	550-1224, 551-1224	15 lbs.
069-1224	050-1224, 051-1224	14 lbs.
069-1224FT	094-1224, 096-1224, 098-1224	14 lbs.
069-1530	050-1530, 051-1530, 094-1530S	21 lbs.
069-1530FT	094-1530H, 096-1530, 098-1530	21 lbs.
069-2036	050-2036, 051-2036, 094-2036S	28 lbs.
069-2036FT	094-2036H, 096-2036, 098-2036	28 lbs.
069-2448	050-2448, 051-2448, 094-2448, 096-2448, 098-2448	53 lbs.
069-3660	050-3660, 051-3660, 094-3660, 096-3660, 098-3660	78 lbs.
069-4278	050-4278, 051-4278, 094-4278, 096-4278, 098-4278	93 lbs.
069-4872	050-4872, 051-4872, 094-4872, 096-4872, 098-4872	89 lbs.
069-5496	050-5496, 051-5496, 094-5496, 096-5496, 098-5496	160 lbs.
069-6096	050-6096, 051-6096, 094-6096, 096-6096, 098-6096	166 lbs.

Custom sleeves always available

Lansas[®] PRODUCTS

Manufactured by Vanderlans & Sons, Inc.

MULTI-SIZE FLOW-THRUS[™]

THE MULTI-SIZE FLOW-THRUS[™] are built with the same patented designs as our Domehead[™] plugs (see page 3 for design characteristics). The Flow-Thru[™] plug goes one step further by offering a large by-pass within the pipe plug. The by-passes are ideal for doing a water test or sewer by-pass. Lansas Flow-Thru[™] plugs are available with standard by-passes up to 8" NPT. 12" threaded connections and larger flanged connections can be special ordered. As with any Lansas plug, the Multi-Size Flow-Thru's[™] can be manufactured with nitrile or neoprene rubber and with stainless steel components for use in chemical and petroleum applications. Convert your Flow-Thru[™] Plug for air testing applications with a simple conversion cap (see page 37). A PVC cap is supplied with each plug with up to a 6" NPT by-pass.



Part No. 093-610

**Custom Designs
Are Always[™] Available**



Part No. 094-1218 Part No. 098-1218
Two 12" X 18" Multi-Size Flow-Thru[™] Plugs are shown; one with a 4" by-pass, the other with an 8" by-pass.

⚠ WARNING
BLOCK PLUGS TO PREVENT MOVING!
Safety Instructions are sent with each new plug or they can be downloaded from the Lansas website at www.lansas.com.

5-Line[™] MULTI-SIZE INTERCHANGE[™] PLUGS



18"x 24"
Interchange[™]
Plug shown with
10" by-pass

LANSAS New 5-Line[™] Multi-Size INTER-CHANGE[™] Plugs are equipped with our new **RP2** Rupture Protection pressure relief valve. These plugs have a new and improved design made with a newly reformulated rubber blend and with more plug sizes and cover sizes available.

The LANSAS 5-Line[™] Multi-Size INTER-CHANGE[™] Plug has interchangeable covers. The plugs can be equipped with standard or custom covers, we will build the exact by-pass cover needed to fit your application. LANSAS 5-Line[™] Multi-Size INTER-CHANGE[™] Plug sizes start at our 15"-21" Multi-Size unit up to as large as 96" in diameter. The bolt-on covers can be equipped with threaded by-pass connections up to 12" (M) NPT, flanged connections or an open tube end for use as a SUPER-FLOW[™]

SINGLE & MULTI-SIZE SUPER FLOW[™] PLUGS

THE LANSAS SUPER-FLOW[™] PIPE PLUGS are designed with the largest by-passes available. These pipe plugs are excellent for use in flow diversion and manhole rehabilitation projects. Field replaceable bladders now available.



A "TEE" configuration with three plugs, three hoses and a "TEE" fitting.



Shown with two 24" Super-Flow[™] Plugs and optional 20" by-pass hose

THE NEW LANSAS SMART-BOX[™] Super-Flow[™] By-Pass Kit

Each complete kit contains the following:

- (2) Multi-Size SUPER-FLOW[™] Plugs
- (2) 30 ft. Standard Inflation Kits with Gauge (Part No. 321-30)
- (1) 5 ft. By-Pass Hose
- (1) High Pressure Hand Pump (Part No. 310-00)
- Black Plastic Storage Container

Part No. 186-610 (2) 185-610 Multi-Size Super-Flow[™] Plug
Part No. 186-812 (2) 185-812 Multi-Size Super-Flow[™] Plug
Part No. 186-1016 (2) 185-1016 Multi-Size Super-Flow[™] Plug

(Please note that other plug sizes and by-pass hose lengths are available upon request, but may not fit into the supplied storage container)



ITEM 6 & 7 IN PRICE LIST

MULTI-SIZE FLOW-THRU™ PLUG								
PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	BYPASS SIZE (S-Soft or H-Hard)	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER				LENGTH	DEFLATED DIAMETER	WEIGHT
092-48	3.8"	8.25"	30 psi	15 psi	2" - H	16.0"	3.5"	6.5 lbs.
093-610	5.3"	10.25"	30 psi	15 psi	3" - H	20.0"	5.0"	15 lbs.
092-812	7.3"	12.25"	25 psi	15 psi	2" - H	20.0"	7.0"	15 lbs.
094-812	7.3"	12.25"	25 psi	15 psi	4" - H	20.0"	7.0"	20 lbs.
096-812	7.3"	12.25"	25 psi	15 psi	6" - H	22.0"	7.0"	27 lbs.
094-1016	9.5"	16.25"	25 psi	15 psi	4" - H	28.0"	9.3"	36 lbs.
096-1016	9.5"	16.25"	25 psi	15 psi	6" - H	28.0"	9.3"	40 lbs.
094-1218	11.0"	18.25"	25 psi	15 psi	4" - H	28.0"	10.5"	46 lbs.
096-1218	11.0"	18.25"	25 psi	15 psi	6" - H	28.0"	10.5"	48 lbs.
098-1218	11.0"	18.25"	25 psi	15 psi	8" - H	28.0"	10.5"	50 lbs.
094-1224	11.0"	24.25"	25 psi	15 psi	4" - H	41.0"	10.5"	71 lbs.
096-1224	11.0"	24.25"	25 psi	15 psi	6" - H	41.0"	10.5"	76 lbs.
098-1224	11.0"	24.25"	25 psi	15 psi	8" - H	41.0"	10.5"	79 lbs.
094-1530	14.0"	30.25"	20 psi	8 psi	4" - S	52.0"	13.5"	69 lbs.
094-1530H	14.0"	30.25"	20 psi	8 psi	4" - H	52.0"	13.5"	130 lbs.
096-1530	14.0"	30.25"	20 psi	8 psi	6" - H	52.0"	13.5"	130 lbs.
098-1530	14.0"	30.25"	20 psi	8 psi	8" - H	52.0"	13.5"	135 lbs.
094-2036	19.0"	36.25"	20 psi	8 psi	4" - S	64.0"	18.5"	117 lbs.
094-2036H	19.0"	36.25"	20 psi	8 psi	4" - H	52.0"	18.5"	155 lbs.
096-2036	19.0"	36.25"	20 psi	8 psi	6" - H	52.0"	18.5"	160 lbs.
098-2036	19.0"	36.25"	20 psi	8 psi	8" - H	52.0"	18.5"	165 lbs.
094-2448	22.0"	48.25"	15 psi	8 psi	4" - S	84.0"	21.5"	133 lbs.
096-2448	22.0"	48.25"	15 psi	8 psi	6" - S	84.0"	21.5"	195 lbs.
098-2448	22.0"	48.25"	15 psi	8 psi	8" - S	84.0"	21.5"	227 lbs.
094-3660	34.5"	60.25"	10 psi	6 psi	4" - S	84.0"	29.5"	208 lbs.
096-3660	34.5"	60.25"	10 psi	6 psi	6" - S	84.0"	29.5"	237 lbs.
098-3660	34.5"	60.25"	10 psi	6 psi	8" - S	84.0"	29.5"	274 lbs.
094-4278	37.0"	78.25"	10 psi	6 psi	4" - S	101.0"	37.0"	335 lbs.
096-4278	37.0"	78.25"	10 psi	6 psi	6" - S	101.0"	37.0"	367 lbs.
098-4278	37.0"	78.25"	10 psi	6 psi	8" - S	101.0"	37.0"	408 lbs.
094-4872	46.0"	72.25"	10 psi	6 psi	4" - S	84.0"	43.5"	340 lbs.
096-4872	46.0"	72.25"	10 psi	6 psi	6" - S	84.0"	43.5"	380 lbs.
098-4872	46.0"	72.25"	10 psi	6 psi	8" - S	84.0"	43.5"	410 lbs.
094-6096	58.0"	96.25"	10 psi	6 psi	4" - S	110.0"	56.0"	537 lbs.
096-6096	58.0"	96.25"	10 psi	6 psi	6" - S	110.0"	56.0"	570 lbs.
098-6096	58.0"	96.25"	10 psi	6 psi	8" - S	110.0"	56.0"	598 lbs.

ITEM 15 IN PRICE LIST

SINGLE-SIZE & MULTI-SIZE SUPER-FLOW™ PLUGS								
PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	BYPASS SIZE	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER				LENGTH	DEFLATED DIAMETER	WEIGHT
SINGLE-SIZED MODELS								
180-04	3.8"	4.25"	25 psi	10 psi	3"	12.0"	3.5"	6 lbs.
180-06	5.0"	6.25"	25 psi	10 psi	4"	14.0"	4.5"	9 lbs.
180-08	7.0"	8.25"	25 psi	10 psi	6"	16.0"	6.5"	15 lbs.
180-10	9.0"	10.25"	25 psi	10 psi	8"	20.0"	8.5"	24 lbs.
180-12	11.0"	12.25"	25 psi	10 psi	10"	20.0"	10.5"	33 lbs.
180-15	13.0"	16.25"	25 psi	10 psi	12"	20.0"	12.8"	40 lbs.
180-18	17.0"	18.25"	25 psi	10 psi	16"	20.0"	16.8"	50 lbs.
180-20	19.0"	21.25"	25 psi	10 psi	18"	20.0"	18.8"	63 lbs.
180-24	22.0"	24.25"	25 psi	10 psi	20"	20.0"	20.8"	70 lbs.
MULTI-SIZE MODELS								
185-48	3.8"	8.25"	25 psi	10 psi	3"	18.0"	3.5"	7 lbs.
185-610	5.0"	10.25"	25 psi	10 psi	4"	22.0"	4.5"	13 lbs.
185-812	7.0"	12.25"	25 psi	10 psi	6"	22.0"	6.5"	19 lbs.
185-1016	9.0"	16.25"	25 psi	10 psi	8"	26.0"	8.8"	29 lbs.
185-1218	11.0"	18.25"	25 psi	10 psi	10"	26.0"	10.8"	38 lbs.
185-1421	13.0"	21.25"	25 psi	10 psi	12"	30.0"	12.8"	67 lbs.
185-1824	17.0"	24.25"	25 psi	10 psi	16"	30.0"	16.8"	79 lbs.
185-2030	19.0"	30.25"	25 psi	10 psi	18"	36.0"	18.8"	92 lbs.
185-2436	22.0"	36.25"	25 psi	10 psi	20"	55.0"	22.0"	176 lbs.

ITEM 9 IN PRICE LIST



MULTI-SIZE INTERCHANGE PLUGS								
PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	LENGTH	DEFLATED DIAMETER	WEIGHT	
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER						
595-1521	14.25"	21.25"	20 psi	10 psi	24.0"	14.0"	44 lbs.	
595-1530	14.25"	30.25"	20 psi	10 psi	42.0"	14.0"	88 lbs.	
595-1824	16.25"	24.25"	20 psi	10 psi	24.0"	16.0"	57 lbs.	
595-2436	23.25"	36.25"	20 psi	10 psi	30.0"	22.0"	110 lbs.	
595-3648	34.25"	48.25"	20 psi	10 psi	30.0"	34.0"	160 lbs.	
595-4860	46.25"	60.25"	20 psi	10 psi	30.0"	46.0"	216 lbs.	
595-6072	58.25"	72.25"	20 psi	10 psi	30.0"	58.0"	272 lbs.	
595-7284	70.25"	84.25"	20 psi	10 psi	30.0"	70.0"	329 lbs.	

All plugs are sold without a cover. Choose a cover for the appropriate size plug below. All covers are fabricated steel. Adapter Plate sold separately

COVERS FOR 15"X 21" AND 15"X 30" PLUGS	
PART NUMBER	BY-PASS SIZE
599-15-04T	4" (M) NPT
599-15-06T	6" (M) NPT
599-15-06T	8" (M) NPT
599-15-06T	10" (M) NPT
599-15-06T	12" (M) NPT
599-15-06T	8" TUBE
599-15-06T	10" TUBE
599-15-06T	12" TUBE
599-15-06T	8" FLANGE
599-15-06T	10" FLANGE
599-15-06T	12" FLANGE

COVERS FOR 18"X24" PLUGS	
PART NUMBER	BY-PASS SIZE
599-18-04T	4" (M) NPT
599-18-06T	6" (M) NPT
599-18-08T	8" (M) NPT
599-18-10T	10" (M) NPT
599-18-12T	12" (M) NPT
599-18-08SF	8" TUBE
599-18-10SF	10" TUBE
599-18-12SF	12" TUBE
599-18-14SF	14" TUBE
599-18-08FG	8" FLANGE
599-18-10FG	10" FLANGE
599-18-12FG	12" FLANGE
599-18-14FG	14" FLANGE

COVERS FOR 24"X36" PLUGS	
PART NUMBER	BY-PASS SIZE
599-24-04T	4" (M) NPT
599-24-06T	6" (M) NPT
599-24-08T	8" (M) NPT
599-24-10T	10" (M) NPT
599-24-12T	12" (M) NPT
599-24-08SF	8" TUBE
599-24-10SF	10" TUBE
599-24-12SF	12" TUBE
599-24-14SF	14" TUBE
599-24-16SF	16" TUBE

COVERS FOR 24"X36" PLUGS	
PART NUMBER	BY-PASS SIZE
599-24-18SF	18" TUBE
599-24-20SF	20" TUBE
599-24-08FG	8" FLANGE
599-24-10FG	10" FLANGE
599-24-12FG	12" FLANGE
599-24-14FG	14" FLANGE
599-24-16FG	16" FLANGE
599-24-18FG	18" FLANGE
599-24-20FG	20" FLANGE

Lansas[®] PRODUCTS

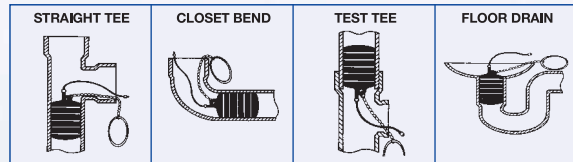
Manufactured by Vanderlans & Sons, Inc.

AR™ & SSB™ SINGLE-SIZE BLOCKING PLUGS

Developed to block flow in pipelines or for testing, Lansas AR™ plugs, 1-1/4" thru 6" feature a zinc plated chain and ring. The entire range of these plugs through 24" have test pressure ratings of as much as 15 psi with air or water. Our SSB™ Single Size Blocking plugs offered in 8," 10" and 12" sizes with a newly formulated blend of natural rubber along with the AR™ plugs are the toughest and most dependable single-size plugs available. The SSB™, like the SST™ comes with a removable 3/8" eye bolt and a removable 1/4" (M) NPT tire inflation valve.



TYPICAL PIPE APPLICATION



THE LONG AR™

is designed to be installed through a cleanout or floor drain and seal within the wye. With a pressure rating of 15 psi, these plugs are excellent for use when pressure testing with air or water. The Long AR™ plug is supplied with a 36" extension hose and a removable zinc-plated chain and ring.

**Custom Designs
Are Always™ Available**



SST™ & MST™ SINGLE & MULTI SIZE TEST PLUGS

The Lansas SST™ and MST™ (Single and Multi-Size Test Plug) are similar in function to our MW™ plugs, but the SST™ and MST™ are built with a newly formulated natural rubber compound. These plugs are the most durable, versatile, and toughest single size plugs available today.



The SST™ and MST™ Plugs are designed with multi-function in mind. Available in single sizes 8" through 24" and multi-size 8"- 12". Each of these have a 3" female NPT aluminum by-pass. These plugs can be used to stop flow, for sewer by-passing, or for air testing. An air test conversion cap comes supplied with every SST™ and MST™ Plug.



Test Cap Packages 545-01 545-02
Conversion Caps shown with
optional air test fittings.

Patent # 4,083,384 MULTI-WORKER PLUG

The Lansas MW™ Multi-worker plug is the most versatile and cost effective single-size pipe plug available. Our 4" to 24" MW's™ are molded with "o-ring" sealing ribs and each plug is equipped with a replaceable by-pass pipe. Our 15" through 24" MW's™ come with either a 4," 6," or 8" by-pass. For air or water testing, sewer by-pass or simply stopping the flow, the MW™ offers the best value in single size plugs. Test Caps are available to set up the MW™ Plug for an air test. A PVC cap is supplied with each plug with up to a 6" NPT by-pass.

SST™ Plug shown with our new Triple Test SMART HOSE, available in 25' or 50' lengths. Part No. 472-25 & 472-50





Manufactured by Vanderlans & Sons, Inc.

ITEM 16 & 17 IN PRICE LIST

AR™ & SSB™ SINGLE SIZE BLOCKING PLUGS

PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER			LENGTH	DEFLATED DIAMETER	WEIGHT
030-.7515	0.7"	1.75"	30 psi	15 psi	5.8"	0.6"	0.5 lbs.
030-02	1.8"	2.25"	30 psi	10 psi	6.0"	1.5"	0.8 lbs.
030-03	2.8"	3.25"	30 psi	15 psi	6.0"	2.6"	1.0 lbs.
030-34*	2.6"	4.25"	45 psi	15 psi	7.3"	2.5"	1.0 lbs.
030-04	3.5"	4.25"	30 psi	15 psi	6.0"	3.3"	1.2 lbs.
030-46*	3.5"	6.25"	45 psi	15 psi	11.0"	3.4"	1.6 lbs.
030-06	5.5"	6.25"	30 psi	15 psi	6.0"	4.8"	1.8 lbs.
030-68*	4.7"	8.25"	35 psi	15 psi	14.5"	4.5"	2.8 lbs.
035-08*	6.8"	8.25"	25 psi	15 psi	7.8"	6.7"	5 lbs.
035-10*	8.8"	10.25"	25 psi	15 psi	9.8"	8.6"	8 lbs.
035-12*	10.8"	12.25"	25 psi	15 psi	11.8"	10.4"	11 lbs.
030-15*	13.0"	16.25"	25 psi	15 psi	16.0"	12.8"	22 lbs.
030-18*	17.0"	18.25"	25 psi	15 psi	16.0"	16.0"	35 lbs.
030-21*	19.0"	21.25"	25 psi	15 psi	16.0"	18.5"	41 lbs.
030-24*	23.0"	24.25"	25 psi	15 psi	16.0"	22.0"	55 lbs.

*Not equipped with with the zinc plated chain and ring. Sizes 6" - 24" have a removable inflation fitting and eye-bolt.

ITEM 19 IN PRICE LIST

LONG AR™ "All-Rubber" GRIP RIB PLUG

PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER			LENGTH	DEFLATED DIAMETER	WEIGHT
031-02	1.7"	2.25"	30 psi	15 psi	17.5"	1.5"	0.5 lbs.
031-03	2.7"	3.25"	30 psi	15 psi	19.5"	2.2"	1.0 lbs.
031-04	3.5"	4.25"	30 psi	15 psi	23.0"	3.0"	2.0 lbs.
031-46	3.8"	6.25"	30 psi	15 psi	26.0"	3.6"	3.0 lbs.

ITEM 9 IN PRICE LIST

SINGLE SIZE TEST PLUG (SST™)

PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	BYPASS SIZE	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER				LENGTH	DEFLATED DIAMETER	WEIGHT
025-08	6.8"	8.25"	35 psi	15 psi	3"	8.8"	6.7"	6 lbs.
025-10	8.8"	10.25"	35 psi	15 psi	3"	10.8"	8.6"	10 lbs.
025-12	10.8"	12.25"	35 psi	15 psi	3"	12.8"	10.4"	16 lbs.
025-15	13.0"	16.25"	25 psi	15 psi	3"	16.0"	12.8"	29 lbs.
025-18	17.0"	18.25"	25 psi	15 psi	3"	16.0"	16.0"	35 lbs.
025-21	19.0"	21.25"	25 psi	15 psi	3"	16.0"	18.5"	43 lbs.
025-24	23.0"	24.25"	25 psi	15 psi	3"	16.0"	22.0"	60 lbs.

MULTI-SIZE TEST PLUGS (MST™)

025-812	7.3"	12.25"	25 psi	15 psi	3"	15.0"	7.0"	14 lbs.
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ITEM 20 IN PRICE LIST

MW™ PLUG (MULTI-WORKER™)

PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	BYPASS SIZE	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER				LENGTH	DEFLATED DIAMETER	WEIGHT
020-1.5	1.4"	1.75"	60 psi	20 psi	1/8"	4.0"	1.3"	0.4 lbs.
020-02	1.6"	2.25"	60 psi	20 psi	1/4"	5.0"	1.5"	0.7 lbs.
020-03	2.5"	3.25"	50 psi	20 psi	3/4"	9.0"	2.4"	1.5 lbs.
020-34	2.6"	4.25"	45 psi	15 psi	3/4"	9.0"	2.4"	1.7 lbs.
020-04	3.7"	4.25"	25 psi	15 psi	1"	8.0"	3.5"	2.0 lbs.
020-46	3.5"	6.25"	45 psi	15 psi	1"	14.0"	3.5"	2.2 lbs.
020-06	5.0"	6.25"	25 psi	15 psi	2"	8.0"	4.5"	3.0 lbs.
020-68	4.7"	8.25"	35 psi	15 psi	2"	17.5"	4.5"	5.3 lbs.
020-15	13.0"	16.25"	25 psi	15 psi	4"	16.0"	12.8"	37 lbs.
021-15	13.0"	16.25"	25 psi	15 psi	6"	16.0"	12.8"	43 lbs.
022-15	13.0"	16.25"	25 psi	15 psi	8"	16.0"	12.8"	48 lbs.
020-18	17.0"	18.25"	25 psi	15 psi	4"	16.0"	16.0"	43 lbs.
021-18	17.0"	18.25"	25 psi	15 psi	6"	16.0"	16.0"	49 lbs.
022-18	17.0"	18.25"	25 psi	15 psi	8"	16.0"	16.0"	54 lbs.
020-21	19.0"	21.25"	25 psi	15 psi	4"	16.0"	18.5"	51 lbs.
021-21	19.0"	21.25"	25 psi	15 psi	6"	16.0"	18.5"	59 lbs.
022-21	19.0"	21.25"	25 psi	15 psi	8"	16.0"	18.5"	62 lbs.
020-24	23.0"	24.25"	25 psi	15 psi	4"	16.0"	22.0"	68 lbs.
021-24	23.0"	24.25"	25 psi	15 psi	6"	16.0"	22.0"	76 lbs.
022-24	23.0"	24.25"	25 psi	15 psi	8"	16.0"	22.0"	79 lbs.

Lansas[®] PRODUCTS

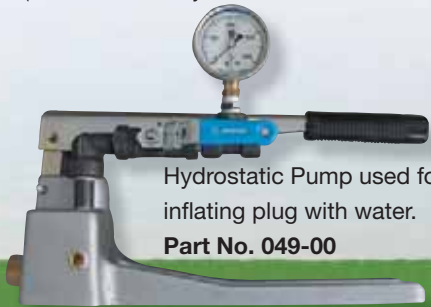
Manufactured by Vanderlans & Sons, Inc. HIGH TEST PRESSURE PLUGS

LANSAS HIGH PRESSURE TEST PLUGS

are designed to seal the host pipe to pressures up to 150 psi.* (higher pressures are available on custom designs). These pipe plugs are equipped with a centered by-pass pipe for inducing your test medium into the pipe. Larger sizes also include a second by-pass for bleeding air out of the section being tested and monitoring the test pressure. The plug bladder, which is reinforced with multiple layers of polyester cord, is bonded to the inner metal mandrel. When this plug is inflated the ends roll up away from the mandrel. This allows the bladder to make contact with the pipe walls without applying unnecessary stress on the bladder.

These plugs are excellent for use in water mains, force mains or industrial lines. As with all Lansas products, the High Pressure Test Plugs can be custom manufactured to meet the requirements of your job.

**Blocking/Bracing must be used to prevent the movement or complete dislodgement of pipe plugs.
(See Lansas Safety Instructions at www.lansas.com)*



Hydrostatic Pump used for inflating plug with water.
Part No. 049-00



Part No. 045-30

Part No. 045-18

NEW RECESSED
FITTINGS AND
D-RINGS

**SELECT SIZES NOW AVAILABLE IN
200 psi and 250 psi TEST
PRESSURES**

MULTI-SIZED MEDIUM PRESSURE TEST PLUGS



Part No.160-1218

Part No.160-1824

MULTI-SIZE MEDIUM PRESSURE TEST PLUGS

are available in 3 sizes from 8"-24". The LANSAS Medium Pressure Plug is the first of its kind. Manufactured with multiple layers of fabric and heavy inner and outer rubber walls. It will withstand line pressures up to 60 psi.

As for most everything in the catalog the Medium Pressure Plug can always be customized to meet your needs.

New



THE MAN HOLE BRIDGE PLUG

PATENT PENDING

The Manhole Bridge Plug is a new version of an old LANSAS design. It is designed to easily pass through a 24" manhole and fit up to a 60" pipeline with a by-pass as large as 54". These plugs are ideal for use with rehabilitating manholes with liners or coatings.

⚠ WARNING
BLOCK PLUGS TO PREVENT MOVING!
Safety Instructions are sent with each new plug or they can be downloaded from the Lansas website at www.lansas.com.

**Custom Designs
Are Always™ Available**

HIGH PRESSURE TEST PLUG (ROLL-UP STYLE)								
PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	BYPASS SIZE	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER				LENGTH	DEFLATED DIAMETER	WEIGHT
045-03	2.8"	3.25"	225 psi	150 psi	3/4"	12.0"	2.75"	8 lbs.
045-04	3.8"	4.25"	225 psi	150 psi	3/4"	12.0"	3.5"	10lbs.
045-06	5.5"	6.25"	225 psi	150 psi	3/4"	12.0"	5.0"	15 lbs.
045-08	7.0"	8.25"	225 psi	150 psi	2"	12.0"	6.0"	20 lbs.
045-10	9.0"	10.25"	225 psi	150 psi	2" + 3/4"	12.0"	8.0"	28 lbs.
045-12	11.0"	12.25"	225 psi	150 psi	2" + 3/4"	12.0"	10.0"	37 lbs.
045-14	13.0"	14.25"	225 psi	150 psi	2" + 3/4"	16.0"	12.0"	60 lbs.
045-15	14.0"	15.25"	225 psi	150 psi	2" + 3/4"	16.0"	13.0"	65 lbs.
045-16	15.0"	16.25"	225 psi	150 psi	2" + 3/4"	16.0"	14.0"	70 lbs.
045-18	17.0"	18.25"	225 psi	150 psi	2" + 3/4"	16.0"	16.0"	90 lbs.
045-20	19.0"	20.25"	225 psi	150 psi	2" + 3/4"	16.0"	18.0"	136 lbs.
045-21	20.0"	21.25"	225 psi	150 psi	2" + 3/4"	16.0"	19.0"	145 lbs.
045-24	23.0"	24.25"	225 psi	150 psi	2" + 3/4"	16.0"	22.0"	195 lbs.
045-27	26.0"	27.25"	225 psi	150 psi	2" + 3/4"	16.0"	25.0"	215 lbs.
045-30	29.0"	30.25"	225 psi	150 psi	2" + 3/4"	16.0"	28.0"	258 lbs.
045-33	32.0"	33.25"	225 psi	150 psi	2" + 3/4"	16.0"	31.0"	313 lbs.
045-36	35.0"	36.25"	225 psi	150 psi	2" + 3/4"	16.0"	34.0"	355 lbs.
045-39	38.0"	39.25"	225 psi	150 psi	2" + 3/4"	16.0"	37.0"	375 lbs.
045-42	41.0"	42.25"	225 psi	150 psi	2" + 3/4"	16.0"	40.0"	385 lbs.
045-45	44.0"	45.25"	225 psi	150 psi	2" + 3/4"	16.0"	43.0"	465 lbs.
045-48	47.0"	48.25"	225 psi	150 psi	2" + 3/4"	16.0"	46.0"	510 lbs.
045-54	53.0"	54.25"	225 psi	150 psi	2" + 3/4"	16.0"	52.0"	670 lbs.
045-60	59.0"	60.25"	225 psi	150 psi	2" + 3/4"	16.0"	58.0"	850 lbs.
045-66	65.0"	66.25"	225 psi	150 psi	2" + 3/4"	16.0"	64.0"	950 lbs.
045-72	71.0"	72.25"	225 psi	150 psi	2" + 3/4"	16.0"	70.0"	1200 lbs.
045-78	77.0"	78.25"	225 psi	150 psi	2" + 3/4"	16.0"	76.0"	1230 lbs.
045-84	83.0"	84.25"	225 psi	150 psi	2" + 3/4"	16.0"	82.0"	1240 lbs.
045-90	89.0"	90.25"	225 psi	150 psi	2" + 3/4"	16.0"	88.0"	1525 lbs.
045-96	95.0"	96.25"	225 psi	150 psi	2" + 3/4"	16.0"	94.0"	1600 lbs.

MEDIUM PRESSURE PLUGS								
PART NUMBER	NOMINAL PIPE SIZE	REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE			PRODUT DIMENSIONS		
			8"	10"	12"	LENGTH	DIAMETER	WEIGHT
160-812	8"-12"	70 psi	60 psi	50 psi	40 psi	30.0"	7.6"	42 lbs.
160-1218	12" 18"	70 psi	50 psi	40 psi	30 psi	30.0"	11.6"	77 lbs.
160-1824	18"-24"	70 psi	30 psi	25 psi	20 psi	30.0"	17.6"	136 lbs.



Part No. 045-66

New

Higher Pressures Available
 LANSAS now offers select sizes of High Pressure Plugs in 200 psi and 250 psi test pressures. The 200 psi High Pressure Plug is available 3" – 60". The 250 psi High Pressure Plug is available 3" – 48". Please call for specifications.

MECHANICAL PIPE PLUGS

Lansas offers mechanical pipe plugs in a variety of sizes. These plugs are manufactured using cast iron, aluminum, high-impact ABS or nylon with natural rubber or neoprene gaskets. These plugs require no tools to secure in the pipe.



ITEM 11 IN PRICE LIST

CAST ALUMINUM "POSI-SEAL" MECHANICAL WING NUT PLUG

PART NUMBER	NOMINAL PIPE SIZE	MIN. PIPE DIAMETER	MAX. PIPE DIAMETER	BYPASS SIZE	MAXIMUM BACK OR TEST PRESSURE
603-08	8"	7.75"	8.25"	1"	AIR OR WATER TO 7 psi
603-10	10"	9.25"	10.25"	1"	AIR OR WATER TO 7 psi
603-12	12"	11.40"	12.25"	1"	AIR OR WATER TO 7 psi
603-15	15"	14.50"	15.25"	1"	AIR OR WATER TO 5 psi
603-18	18"	17.50"	18.25"	1"	AIR OR WATER TO 5 psi
603-24	24"	23.60"	24.75"	2"	AIR OR WATER TO 5 psi
603-30	30"	29.30"	30.75"	2"	AIR OR WATER TO 5 psi
603-36	36"	34.60"	36.75"	2"	AIR OR WATER TO 5 psi

Series 603 Cast Aluminum "POSI-SEAL" Mechanical plugs can be used inside the pipe or at the end of the pipe.

Custom Mechanical Pipe Plugs
built to order (see page 34)



603 SERIES



602 SERIES



604 SERIES



611 SERIES

ITEM 11 IN PRICE LIST

HIGH IMPACT PLASTIC "POSI-SEAL" MECHANICAL WING NUT PLUG

PART NUMBER	MIN. PIPE DIAMETER	MAX. PIPE	MAX. BACK PRESSURE	
			AIR	WATER
602 Series POSI-SEAL is for "End of the Pipe" installation and use.				
602-04	3.78"	4.06"	5 psi	40 ft. OF WATER
602-06	5.77"	6.08"	5 psi	30 ft. OF WATER
602-08	7.76"	8.03"	5 psi	30 ft. OF WATER
605 Series POSI-SEAL is for "Inside the Pipe" installation and use.				
605-04	3.78"	4.06"	5 psi	40 ft. OF WATER
605-06	5.77"	6.08"	5 psi	30 ft. OF WATER
605-08	7.76"	8.03"	5 psi	30 ft. OF WATER

Both 602 and 604 Series plugs are sold in box cases. Qty of (10) for 4", qty of (5) for 6", and 8" plugs are sold individually.

ITEM 11 IN PRICE LIST

CAST IRON "POSI-SEAL" MECHANICAL WING NUT PLUG

PART NUMBER	NOMINAL PIPE SIZE	MIN. PIPE DIAMETER	MAX. PIPE DIAMETER	BYPASS SIZE	MAXIMUM BACK OR TEST PRESSURE
604-02	2"	1.8"	2.1"	1/2"	AIR OR WATER TO 10 psi
604-03	3"	2.8"	3.1"	1/2"	AIR OR WATER TO 10 psi
604-04	4"	3.7"	4.5"	1/2"	AIR OR WATER TO 8 psi
604-06	6"	5.6"	6.2"	1/2"	AIR OR WATER TO 4 psi
604-08	8"	7.6"	8.2"	1/2"	AIR OR WATER TO 4 psi
604-10	10"	9.6"	10.2"	1/2"	AIR OR WATER TO 3 psi
604-12	12"	11.6"	12.2"	1"	AIR OR WATER TO 2.5 psi
604-15	15"	14.7"	15.2"	1"	AIR OR WATER TO 2.5 psi
604-18	18"	17.7"	18.2"	1-1/4"	AIR OR WATER TO 2.5 psi

604 Series Cast Iron "POSI-SEAL" Mechanical Plugs can be used inside the pipe or at the end of the pipe.

ITEM 11 IN PRICE LIST

BLACK PLASTIC MECHANICAL WING NUT PLUG

PART NUMBER	NOMINAL PIPE SIZE	MIN. PIPE DIAMETER	MAX. PIPE DIAMETER	BYPASS SIZE	MAXIMUM BACK OR TEST PRESSURE
611-06	6"	5.5"	7.0"	N/A	AIR OR WATER TO 5 psi
611-08	8"	7.9"	9.0"	N/A	AIR OR WATER TO 5 psi
611-10	10"	9.5"	11.0"	1/2"	AIR OR WATER TO 5 psi
611-12	12"	11.5"	13.0"	1/2"	AIR OR WATER TO 5 psi
611-15	15"	14.5"	16.0"	1/2"	AIR OR WATER TO 5 psi
611-18	18"	17.5"	19.0"	1/2"	AIR OR WATER TO 5 psi

Series 611 Wing Nut Mechanical Plugs will seal both the Bell and Spigot ends of most pipes.

WARNING

BLOCK PLUGS TO PREVENT MOVING!
Safety Instructions are sent with each new plug or they can be downloaded from the Lansas website at www.lansas.com.

**Custom Designs
Are Always™ Available**

5-Line™ JOINT TESTER™



The LANSAS Joint Tester is now part of the 5-Line™. It has been redesigned with our newly formulated natural rubber compound. The Joint Tester is also equipped with the **RP2** Pressure Relief Valve on the bladders and test area.

Low pressure Joint Tester features a lighter frame for better maneuverability. This frame is also collapsible for easy installation of the bladder.



⚠ WARNING
 BLOCK PLUGS TO PREVENT MOVING!
 Safety Instructions are sent with each new plug or they can be downloaded from the Lansas website at www.lansas.com.

Patent # 4,070,904

THE LANSAS SINGLE BLADDER NO-VOID JOINT TESTERS are manufactured for pipe sizes from 24" to 120" and test pressures up to 100 psi. Lansas has manufactured custom joint testers to 21ft. in diameter and for test pressures in excess of 300 psi. Each Lansas Joint Tester is equipped with a Joint Test Panel and 50' of triple hose, as well as a new and improved adjustable wheel kit to allow easier transportation through pipelines.

Patent # 4,421,698

THE LANSAS DOUBLE BLADDER (DB) LOW & HIGH PRESSURE JOINT TESTERS design provides up to 9 inches of expansion on the bladders allowing for easier insertion into the pipe, easier maneuvering and placement of the joint tester at each joint, as well as allowing for testing in a range of pipe types and deflected (up to 5%) fiberglass and plastic pipes.

- Fabric reinforced bladder for longer lasting durability.
- Tests with air or water.
- Replacement bladders are field replaceable.
- Heavy duty adjustable wheels for smooth transitions between joints.
- Redesigned panel



This joint tester was designed and built for a water project near Phoenix, Arizona. Each joint of this 21' diameter pipeline was tested at 30 PSI.

Custom Sizes and Higher Test Pressure Designs are Available

Custom Designs Are Always™ Available



THE LANSAS JOINT TEST PANEL

is designed for use with air or water. There are no additional components needed. Lansas joint testers can be used to test virtually any pipe material including concrete, ductile iron, polyethylene, PVC, and steel, as well as concrete pipes with plastic liners.



ITEM 22 IN PRICE LIST

SINGLE BLADDER SINGLE-SIZE LOW & HIGH PRESSURE JOINT TESTERS

20 PSI TEST PRESSURE (LOW)			100 PSI TEST PRESSURE (HIGH)			SPECIFICATIONS	
PART NUMBER	REQUIRED INFLATION PRESSURE	MAXIMUM TESTING PRESSURE	PART NUMBER	REQUIRED INFLATION PRESSURE	MAXIMUM TESTING PRESSURE	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER
520-24	60 psi	20 psi	521-24	160 psi	100 psi	23.0"	24.25"
520-30	60 psi	20 psi	521-30	160 psi	100 psi	29.0"	30.25"
520-36	60 psi	20 psi	521-36	160 psi	100 psi	35.0"	36.25"
520-42	60 psi	20 psi	521-42	160 psi	100 psi	41.0"	42.25"
520-48	60 psi	20 psi	521-48	160 psi	100 psi	47.0"	48.25"
520-54	60 psi	20 psi	521-54	160 psi	100 psi	53.0"	54.25"
520-60	60 psi	20 psi	521-60	160 psi	100 psi	59.0"	60.25"
520-66	60 psi	20 psi	521-66	160 psi	100 psi	65.0"	66.25"
520-72	60 psi	20 psi	521-72	160 psi	100 psi	71.0"	72.25"
520-78	60 psi	20 psi	521-78	160 psi	100 psi	77.0"	78.25"
520-84	60 psi	20 psi	521-84	160 psi	100 psi	83.0"	84.25"
520-90	60 psi	20 psi	521-90	160 psi	100 psi	89.0"	90.25"
520-96	60 psi	20 psi	521-96	160 psi	100 psi	95.0"	96.25"
520-102	60 psi	20 psi	521-102	160 psi	100 psi	101.0"	102.25"
520-108	60 psi	20 psi	521-108	160 psi	100 psi	107.0"	108.25"
520-114	60 psi	20 psi	521-114	160 psi	100 psi	113.0"	114.25"
520-120	60 psi	20 psi	521-120	160 psi	100 psi	119.0"	120.25"

All LANSAS[®] Joint Testers are sold with a Test Control Panel and 50' Triple Hose
 Low Pressure Joint Testers are also available with an aluminum frame

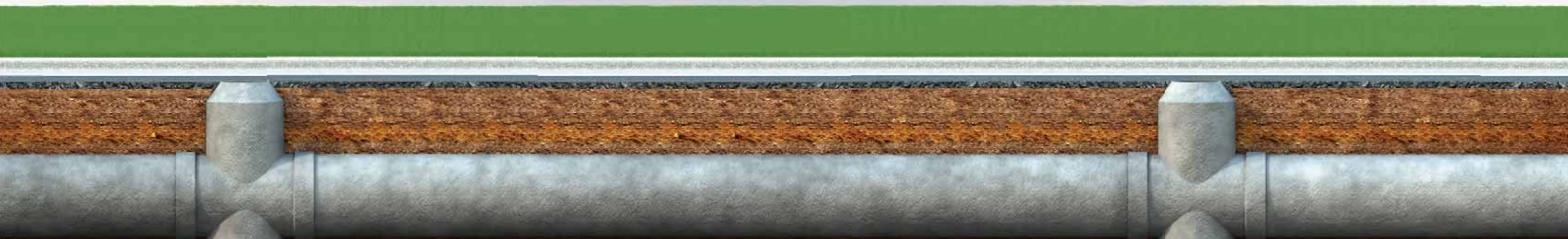


ITEM 23 IN PRICE LIST

DOUBLE BLADDER LOW & HIGH PRESSURE JOINT TESTERS

20 PSI TEST PRESSURE (LOW)			100 PSI TEST PRESSURE (HIGH)			SPECIFICATIONS		
PART NUMBER	REQUIRED INFLATION PRESSURE	MAXIMUM TESTING PRESSURE	PART NUMBER	REQUIRED INFLATION PRESSURE	MAXIMUM TESTING PRESSURE	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER	WIDTH OF UNIT
530-24	60 psi	20 psi	531-24	160 psi	100 psi	22.00"	28.00"	16"
530-30	60 psi	20 psi	531-30	160 psi	100 psi	28.00"	34.00"	16"
530-36	60 psi	20 psi	531-36	160 psi	100 psi	33.00"	40.00"	20"
530-42	60 psi	20 psi	531-42	160 psi	100 psi	39.00"	46.00"	20"
530-48	60 psi	20 psi	531-48	160 psi	100 psi	45.00"	52.00"	24"
530-54	60 psi	20 psi	531-54	160 psi	100 psi	51.00"	58.00"	24"
530-60	60 psi	20 psi	531-60	160 psi	100 psi	57.00"	64.00"	24"
530-66	60 psi	20 psi	531-66	160 psi	100 psi	63.00"	71.00"	24"
530-72	60 psi	20 psi	531-72	160 psi	100 psi	69.00"	77.00"	24"
530-78	60 psi	20 psi	531-78	160 psi	100 psi	75.00"	83.00"	24"
530-84	60 psi	20 psi	531-84	160 psi	100 psi	81.00"	89.00"	24"
530-90	60 psi	20 psi	531-90	160 psi	100 psi	86.00"	95.00"	24"
530-96	60 psi	20 psi	531-96	160 psi	100 psi	91.00"	100.00"	24"
530-102	60 psi	20 psi	531-102	160 psi	100 psi	97.0"	107.0"	30"
530-108	60 psi	20 psi	531-108	160 psi	100 psi	102.5"	113.5"	30"
530-114	60 psi	20 psi	531-114	160 psi	100 psi	108.0"	120.0"	30"
530-120	60 psi	20 psi	531-120	160 psi	100 psi	114.0"	126.0"	30"

All LANSAS[®] Joint Testers are sold with a Test Control Panel and 50' Triple Hose
 Low Pressure Joint Testers are also available with an aluminum frame



Lansas[®] PRODUCTS

Manufactured by Vanderlans & Sons, Inc.

MANHOLE VACUUM TESTING EQUIPMENT



Part No. 110-2127 shown with Part No. 123-05 SUPER-VAC™

LANSAS MULTI-SIZE TEST HEADS

are designed with a robust bladder on a light weight aluminum frame. The reinforced field replaceable bladder gives us maximum expansion and will cover the widest size range in the industry. The Super Wingnut™ makes adjusting the height of the unit quick and easy. All of our Test Heads have a 1 1/2" vacuum port, shut off valve, gauge measuring up to 30" of mercury, vacuum relief valve and a durable support bar. This unit is designed for use in the openings of manholes or other precast concrete structures.



CUSTOM 14" TEST PLATE FOR VACUUM PUMPS



The Lansas Super-Vac™ is a lower cost alternative for manhole vacuum testing. The new Super-Vac™ can pull over 40 CFM @ 10" of mercury. The Super-Vac™ can deliver more than 50% more volume than others on the market. The unit has no moving parts nor does it require any maintenance. Maximum vacuum is reached with an air source producing 80 CFM or better.



Part No. 110-38 shown with Part No. 110-38PC



Part No. 110-38 shown with Part No. 123-05

THE LANSAS FLAT PLATES

Are fabricated of lightweight aluminum. Both the 38" and 44" sizes have a thick and durable neoprene closed cell foam pad bonded to the plate. The soft pad makes it easy to get a vacuum seal and yet durable enough to be used over and over. The plate will seal on the manhole frame or cone. It will seal any flat surface such as septic systems, vaults and other precast concrete structures.

HIGH PERFORMANCE



"SMART-BOX™" VACUUM KIT (PART NO. 151-812) includes:

- (2) 050-812 – 8" x 12" Plugs
- (2) 321-20 – 20' Poly Rope Inflation Line with Gauge
- 110-38 – 38" Flat Plate Test Head
- 123-05 SUPER-VAC™ (Venturi) Vac Generator
- Durable Storage Case

LANSAS ENGINE DRIVEN

VACUUM PUMP The industrial class Honda Engine is equipped with a low oil alert shut down to protect your engine, along with an oil lubricated Gast Vacuum Pump that will pull up to 40 CFM at 00" Hg and 17 CFM at 15" Hg. Unlike non lubricated pumps this unit will provide years of trouble free high performance.



Custom Designs Are Always™ Available

ITEM 21 IN PRICE LIST

VACUUM TESTING EQUIPMENT				
PART NUMBER	DESCRIPTION	USAGE RANGE	REQUIRED INFLATION	MAXIMUM VACUUM
110-2127	Pneumatic Vacuum Test Head	21.5" - 27.5"	30 psi	10" Hg
110-2733	Pneumatic Vacuum Test Head	27.0" - 33.0"	30 psi	10" Hg
110-3036	Pneumatic Vacuum Test Head	30.0" - 36.0"	30 psi	10" Hg
110-38	38" Flat Plate	14.0" - 34.0"	N/A	10" Hg
110-44	44" Flat Plate	14.0" - 40.0"	N/A	10" Hg
121-00	5.5 HP Honda Engine Driven Vacuum Pump (40 CFM) Gast 3040 series			
123-05*	SUPER-VAC™ Vacuum Generator (Venturi)			
VACUUM KITS				
100-2127	Vacuum Test Kit with 21.5" - 27.5" Test Head			21.5" - 27.5"
100-38	Vacuum Test Kit with 38" Flat Plate			14" - 34"
150-812	SMART-BOX™ with 21.5" - 27.5" Test Head			21.5" - 27.5"
151-812	SMART-BOX™ with 38" Flat Plate			14" - 34"
ACCESSORIES				
110-38PC	Plate-Saver™ Protective Storage Cover - 38" Flat Plate			
110-44PC	Plate-Saver™ Protective Storage Cover - 44" Flat Plate			
125-25	25 ft. x 3/4" Vacuum Hose			
131-30	0 - 30 Hg Vacuum Gauge - Liquid Filled			
140-00	Wheel Kit - Supplied with Engine Driven Pump			
REPLACEMENT PARTS				
110-2127B	Replacement Bladder - 21.5" - 27.5" Vacuum Test Head			
110-2733B	Replacement Bladder - 27.0" - 33.0" Vacuum Test Head			
110-3036B	Replacement Bladder - 30.0" - 36.0" Vacuum Test Head			
110-38F	Replacement Foam & Adhesive - 38" Flat Plate			
110-44F	Replacement Foam & Adhesive - 44" Flat Plate			

* Maximum Vacuum is reached with an air source producing 80 CFM or better

VACUUM TEST KIT

Each Vacuum Test Kit (100 series) contains a 40 CFM Vacuum Pump with 5.5 HP. Honda Engine 25' of Vacuum hose and your choice of either a 38" Flat Plate or 21.5"-27.5" Test Head.

⚠ WARNING

BLOCK PLUGS TO PREVENT MOVING!
Safety Instructions are sent with each new plug or they can be downloaded from the Lansas website at www.lansas.com.



AIR TESTING KITS ITEM 24-25 IN PRICE LIST

"SMART BOX" LINE ACCEPTANCE AIR TEST KIT

contains an air test panel, your choice of test plugs, 50' triple hose, 30' poly rope inflation line with gauge and a hand pump; all contained in a heavy duty storage container.

PACKAGE OPTIONS:

- Part No. 453-08..... 8" Single Size Plugs
Includes one 035-08 and one 025-08 plug
- Part No. 453-610..... 6" x10" Multi-Size Domehead Plugs
Includes one 050-610 plug and one 051-610 plug
- Part No. 453-812..... 8" x12" Multi-Size Domehead Plugs
Includes one 050-812 plug and one 051-812 plug

The SMART-BOX™ Line Acceptance Air Test Kit can be configured with every Multi-Size Domehead™ Front or Back Plug in the Lansas Plug line. Please call for pricing on larger plugs!

THE LINE ACCEPTANCE KIT

contains an air test control panel, 50' triple hose, 20' poly rope, inflation line with gauge and a hand pump.

Part No. 460-500 – Kit with Manual Hose Reel

Part No. 461-500 – Kit with Motorized Hose Reel



THE LANSAS LINE ACCEPTANCE / LEAK LOCATING KITS contain virtually all of the components necessary to get the job done. All that's needed is your choice of Lansas test plugs. The two kits differ only in the hose reel. The hose reel is an all welded steel frame and spool with 500' of triple test hose and an air swivel. Model 465-500 has a lubricated air driven motor and a control valve for turning the reel. Model 466-500 has a hand crank for manual operation.

Kit includes: Air Test panel, 10' hose (panel – reel), hand pump, 20' Poly Rope Inflation Line with gauge (321-20), manhole jack (2), manhole winch, reel with 500' of triple hose (hand crank or air motor driven optional), and 22' of space hose.

**Custom Designs
Are Always™ Available**



Part No. 465-500
500' HOSE REEL
with Air Motor



Part No. 470-00
AIR TEST CONTROL PANEL
with 3/4" test area valve and hose
connection



Part No.
530-60



TRIPLE HOSE
TEST FITTINGS
Part No. 21-004
Part No. 21-025
Part No. 21-007



471 SERIES TRIPLE HOSE
with 3/4" test area hose



Part No. 485-1030
0-10-30 PSI
LIQUID FILLED RETARD GAUGE
1/4" CBM



Part No. 479-22
SPACE HOSE



Part No.
510-00
MANHOLE WINCH
with 600' of
3/16" Plastic Coated Cable

Part No. 511-00
Same with Footage Counter

Part No. 512-00
Replacement Counter



Part No. 471-00
Shown with 471-50
SMART TRIPLE HOSE
GAUGE KIT SHOWN WITH TRIPLE HOSE
Valves and gauges needed for
plug inflation and testing

Part No. 500-00
MANHOLE JACK

Part No. 501-00
REPLACEMENT
SPOOL



* AIR TEST TRAILER AVAILABLE

WARNING
BLOCK PLUGS TO PREVENT MOVING!
Safety Instructions are sent with each new
plug or they can be downloaded from the
Lansas website at www.lansas.com.



SPOT REPAIR CARRIER



**New
Sizes**

SPOT REPAIR CARRIER

The Lansas Spot Repair (Point Repair) Carrier was designed for use with most of the Spot Repair Systems on the Market today. For Maximum flexibility and durability our carriers are designed with a fabric reinforced natural rubber bladder. LANSAS has two new sizes available. A 3"-4" and 4"-6" Multi-Size Carrier featuring a domed aluminum end to help navigate through any bends or offset joints in the pipe. Also available is a wheel kit or our new cage design on sizes 6"-10" and larger.

**Custom Designs
Are Always[™] Available**



5-Line[™] SINGLE-SIZE DISC PLUGS

The LANSAS Single Size Disc Plug has been around for more than 60 years and was the first plug manufactured by LANSAS in 1955! The LANSAS Single Size Disc Plug has been redesigned from the ground up. It now has a wider footprint in the pipe and a bladder made with our newly reformulated rubber compound. With **RP2** the addition of the Pressure Relief Valve the Disc Plug is now part of the 5-Line[™]. These plugs are available in standard sizes up to 96" in diameter. Custom sizes are available up to 152" in diameter in virtually any shape desirable. Disc plugs can be sectioned to fit through smaller openings. Note: Sectioned plugs are not recommended for air testing.



"E-Z PLUG"[™] ADAPTER

THE LANSAS "E-Z PLUG"[™] SYSTEM

is designed to provide a safe, fast, and cost effective method for plugging gravity flow pipe lines.

The "E-Z Plug"[™] system will utilize an adapter and either a new or existing single or multi-size test plug or by-pass plug. By using the "E-Z Plug"[™] system you will eliminate the need to set up for confined space entry when installing test plugs. The time required to install a test plug will be reduced to only a few minutes. The cost will be reduced by thousands of dollars by eliminating ventilators, safety harnesses, gas detectors, and other costly equipment. The Lansas "E-Z Plug"[™] system is designed to save time and money on every job. The "EZ-Plug"[™] adapter can be used on any plug that has a removable 3/8" eye-bolt.



Model No. 705
E-Z Plug Adaptor
shown with the
new 8" SST[™] Plug



MULTI-SIZE WASHING BALLS

THE LANSAS MULTI-SIZE WASHING BALLS have a similar design to the original Wayne Ball. This design, along with adequate head pressure, creates a water vortex action along the pipe walls. This action will wash away packed sand, sludge, rock, grease, and other debris. The Multi-Size Washing Ball is built with the same design and construction as our Domehead[™] plugs. These balls have a water fill port that allows the user to control the buoyancy. This feature enhances the performance of these products.



New Sizes



ITEM 12 IN PRICE LIST

SPOT REPAIR CARRIER								
PART NUMBER	FOR PIPE SIZE	REQUIRED INFLATION PRESSURE	CONTACT AREA			MAXIMUM PIPE DIAMETER	DEFLATED DIAMETER	BY-PASS SIZE / HOSE I.D.
			3"	4"	6"			
805-34-05	3"-4"	30 psi	47"	51"	4.25"	2.25"	N/A	
805-34-08	3"-4"	30 psi	83"	87"	4.25"	2.25"	N/A	
805-34-10	3"-4"	30 psi	107"	111"	4.25"	2.25"	N/A	
805-34-12	3"-4"	30 psi	131"	135"	4.25"	2.25"	N/A	
805-46-05	4"-6"	30 psi	48"	52"	6.25"	3.0"	N/A	
805-46-08	4"-6"	30 psi	84"	88"	6.25"	3.0"	N/A	
805-46-10	4"-6"	30 psi	108"	112"	6.25"	3.0"	N/A	
805-46-12	4"-6"	30 psi	132"	136"	6.25"	3.0"	N/A	
805-610-05	6"-10"	25 psi	50"	50"	47"	10.25"	4.25"	1.5"
805-610-08	6"-10"	25 psi	85"	85"	83"	10.25"	4.25"	1.5"
805-610-10	6"-10"	25 psi	109"	109"	107"	10.25"	4.25"	1.5"
805-610-12	6"-10"	25 psi	133"	133"	131"	10.25"	4.25"	1.5"
805-610-15	6"-10"	25 psi	179"	179"	177"	10.25"	4.25"	1.5"
805-812-05	8"-12"	25 psi	48"	46"	45"	12.25"	5.25"	2.0"
805-812-08	8"-12"	25 psi	84"	82"	81"	12.25"	5.25"	2.0"
805-812-10	8"-12"	25 psi	108"	106"	105"	12.25"	5.25"	2.0"
805-812-12	8"-12"	25 psi	132"	130"	129"	12.25"	5.25"	2.0"
805-812-15	8"-12"	25 psi	168"	164"	163"	12.25"	5.25"	2.0"
805-1218-05	12"-18"	20 psi	49"	44"	43"	18.25"	8.75"	3.0"
805-1218-08	12"-18"	20 psi	85"	80"	79"	18.25"	8.75"	3.0"
805-1218-10	12"-18"	20 psi	109"	104"	103"	18.25"	8.75"	3.0"
805-1218-12	12"-18"	20 psi	133"	128"	127"	18.25"	8.75"	3.0"
805-1218-15	12"-18"	20 psi	169"	164"	163"	18.25"	8.75"	3.0"
805-1824-05	18"-24"	15 psi	47"	44"	42"	24.25"	14.75"	4.0"
805-1824-08	18"-24"	15 psi	83"	80"	78"	24.25"	14.75"	4.0"
805-1824-10	18"-24"	15 psi	107"	104"	102"	24.25"	14.75"	4.0"
805-1824-12	18"-24"	15 psi	131"	128"	126"	24.25"	14.75"	4.0"
805-1824-15	18"-24"	15 psi	167"	164"	162"	24.25"	14.75"	4.0"

Spot Repair carriers available without by-pases

ITEM 13 IN PRICE LIST

SINGLE SIZE DISC PLUG						
FOR AIR TESTING, PRESSURE MONITORING OR STOPPING PIPELINE FLOW						
PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	MAXIMUM BACK/TEST PRESSURE	PRODUCT DIMENSIONS	
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER			LENGTH	DIAMETER
515-24	23.5"	24.25"	20 psi	5 psi	10"	23.5"
515-30	29.5"	30.25"	20 psi	5 psi	10"	29.0"
515-36	35.5"	36.25"	20 psi	5 psi	10"	35.0"
515-42	41.5"	42.25"	20 psi	5 psi	10"	41.0"
515-48	47.5"	48.25"	20 psi	5 psi	10"	47.0"
515-54	53.5"	54.25"	20 psi	5 psi	10"	53.0"
515-60	59.5"	60.25"	20 psi	5 psi	10"	59.0"
515-66	65.5"	66.25"	20 psi	5 psi	10"	65.0"
515-72	71.5"	72.25"	20 psi	5 psi	10"	71.0"
515-78	77.5"	78.25"	20 psi	5 psi	10"	77.0"
515-84	83.5"	84.25"	20 psi	5 psi	10"	83.0"
515-90	89.5"	90.25"	20 psi	5 psi	10"	89.0"
515-96	95.5"	96.25"	20 psi	5 psi	10"	95.0"

ITEM 13 IN PRICE LIST

MULTI-SIZE WASHING BALLS						
PART NUMBER	RANGE OF USE		REQUIRED INFLATION PRESSURE	PRODUCT DIMENSIONS		
	MINIMUM PIPE DIAMETER	MAXIMUM PIPE DIAMETER		LENGTH	DEFLATED DIAMETER	WEIGHT
210-812	7.0"	12.5"	INFLATE UNTIL THE WASH BALL JUST FITS THE PIPE SNUG	18.0"	6.0"	8 lbs.
210-1518	14.0"	18.5"		25.0"	10.0"	18 lbs.
210-1824	17.0"	24.5"		32.0"	14.0"	50 lbs.
210-2030	19.0"	30.5"		42.0"	16.0"	60 lbs.
210-2436	23.0"	36.5"		55.0"	16.0"	80 lbs.
210-3648	35.0"	48.5"		84.0"	22.0"	120 lbs.
210-4860	47.0"	60.5"		76.0"	34.0"	175 lbs.

ITEM 32 IN PRICE LIST

"E-Z PLUG" ADAPTERS & ACCESSORIES	
PART NUMBER	ITEM DESCRIPTION
700-00	E-Z Plug Adapter (bolt on)
705-00	E-Z Plug Adapter (by-pass)
711-23	Telescoping Fiberglass Pole



IS A MASTER DISTRIBUTOR FOR



Manufactured by Vanderlans & Sons, Inc.

Price List Page 9

RIPCORD VENTILATOR – STRINGER KITS

Serious CFM for a Safe Manhole!

HURCO's RIPCORD™ and Super RIPCORD™ feature precision balanced cast aluminum impellers for maximum air movement at high resistance. (See www.lansas.com for additional specifications.) HURCO also offers a "Stringer Kit" for retrieving ropes and cables for TV inspection equipment, cleaning equipment and deflection gauges.



RIPCORD SMOKER AND SUPER RIPCORD SMOKER



We're not just Blowin' Smoke!

Now equipped with the Superjet™ high performance and super heating muffler which atomizes the LiquiSmoke™ fluid resulting in nearly 100% burn. HURCO has the World's Most Complete Smoke Testing System. Efficient and cost effective, smoke testing has become the world-wide standard for finding leaks in sewer and plumbing systems and HURCO is the standard bearer providing all you need to manage a complete smoke testing program better and more profitably.

DEFLECTION GAUGES (Aluminum or Steel)



No Other Gauge MEASURES UP

HURCO's Stationary Steel Gauges, Multi-Size Steel Gauges and new aluminum Whistle Gauges™ are manufactured with exact laser precision, clearly marked and serialized with part number and ASTM information, and the industry's only full line of gauges manufactured with the correct number of skirts to accurately gauge deflection. These gauges are field certifiable without proving rings, sized to fit through 24" manhole openings and powder coated for a durable finish.

HYDROSTATIC TEST PUMPS (OLD FAITHFUL)

We're Pumped Up for our water main test!

Hydrostatic testing insures the quality installation of new or repaired water mains and sewer force mains. HURCO's line of hydrostatic test pumps are engineered for reliability and durability with low cost maintenance and nearly wear-free operation. HURCO pumps can handle up to 10% chlorine solutions and has a unique manifold system which eliminates leak points, reducing the amount of work required to repair the pump or replace diaphragms. It also features a bypass relieve valve reducing the risk of pump damage.



STRINGER KITS, ROPE REELS, PARACHUTES



Retrieving and Running Ropes and Cables MADE EASY!

HURCO also offers a "Stringer Kit," Rope Reels and Parachutes for running and retrieving ropes and cables for close-circuit TV gear, cleaning equipment and their own Whistle Gauge, aluminum deflection gauge. Reels are available with nylon braided rope in 1/8", 1/4" and 3/8" diameters and lengths of 500 or 1,000 feet to meet every need. The HURCO Whistle Gauge can be run through pipe with a parachute and it is the fastest way to test. Manhole to manhole in less than 40 seconds, you'll never pull another deflection gauge by hand again.



RE-ROUNDER

Repair Pipes Safely without Digging using the Re-Rounder!

With the HURCO Re-Rounder you can save time and money, eliminate dangerous work areas and avoid property damage by re-rounding deflected flexible pipe underground. Re-rounding consolidates and reshapes the soil around the pipe allowing it to retain its memory and shape. HURCO's smooth taper design and cleaner disc will not scar or damage pipe and design sizes run from 4" to as large as needed, built to your requirements. Combine HURCO's Winch System, Cable Puller, and Roller Guides for a "turn-key" system to make the job easier and quicker.



CUSTOM PRODUCTS

⚠ WARNING
 BLOCK PLUGS TO PREVENT MOVING!
 Safety Instructions are sent with each new plug or they can be downloaded from the Lansas website at www.lansas.com.

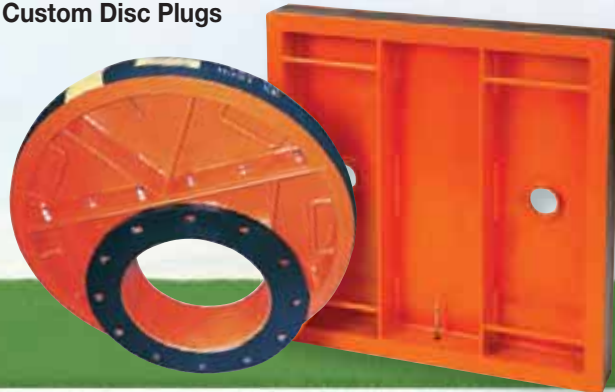


Custom Mechanical Plugs Built to order with or without by-pass



Custom made High Pressure Joint Tester with air actuated restraints. This Joint Tester was used in a special application of a suspended pipeline with the restraints keeping the pipes from separating during the joint test.

Custom Disc Plugs



Part No. 750-00
 Display Rack for Plugs

**Custom Designs
 Are Always™ Available**



These 30" plugs have a 24" flange by-pass. Shipped in 8 days.



This "Slip Fit" bladder and tube shipped in three days.



Custom 24" Joint Tester / Grouting unit. Designed built and shipped in 4 days.



Custom 14" Test Plate for Vacuum Pumps

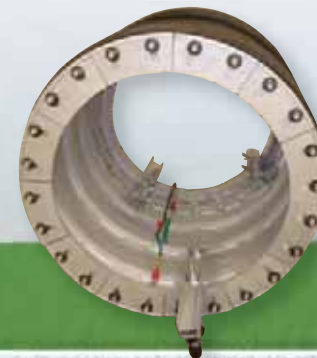


Small diameter Joint Tester/ Grouting Packer. Sizes 6" and larger.



36" x 48" with 8" by-pass (custom)

48" Double Bladder Joint Tester with Restraining Plates



24" Single-Size Super Flow Plug with a built-in 20" Butterfly Valve.



Interchange plug with two 6" threaded by-passes. Same day shipping.



Lansas[®] PRODUCTS ACCESSORIES

Manufactured by Vanderlans & Sons, Inc.



ITEM 28-30 IN PRICE LIST

HOSES AND ACCESSORIES		
PART NUMBER	ITEM DESCRIPTION	
320-20	POLY LIFT ROPE/INFLATION HOSE (1/4" I.D.)	One 20 ft.
320-30		One 30 ft.
320-40		One 40 ft.
321-20	POLY LIFT ROPE/INFLATION HOSE WITH GAUGE ASSEMBLY (1/4" I.D.)	One 20 ft.
321-30		One 30 ft.
321-40		One 40 ft.
323-20	DURA-LIFT ROPE/INFLATION HOSE (3/8" HYDRAULIC HOSE) WITH GAUGE	One 20 ft.
323-30		One 30 ft.
323-40		One 40 ft.
330-02	EXTENSION AIR HOSE (1/4" I.D.)	One 2 ft.
330-03		One 3 ft.
330-05		One 5 ft.
330-10		One 10 ft.
330-20		One 20 ft.
330-30		One 30 ft.
330-40		One 40 ft.
335-20	TEST AREA HOSE WITH GAUGE	One 20 ft.
335-30		One 30 ft.
335-40		One 40 ft.
345-20	3/4" TEST AREA FILL LINE/INFLATION LINE	One 20 ft.
345-30		One 30 ft.
345-40		One 40 ft.
350-20	INFLATION ASSEMBLY WITH HOSE, 0-60 PSI GAUGE AND INFLATION FITTING	One 20 ft.
350-30		One 30 ft.
350-40		One 40 ft.
530-60	GAUGES	0-60 psi
530-300		0-300 psi
535-00		Cover
310-00	High Pressure Hand Pump with Gauge	0-125 psi



ITEM 33 IN PRICE LIST

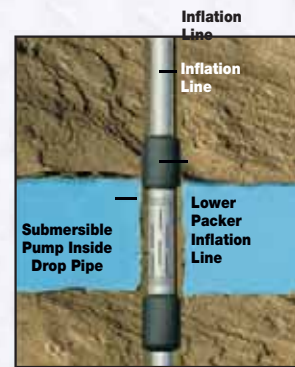
TEST CAPS AND ACCESSORIES	
PART NUMBER	ITEM DESCRIPTION
440-01	1" X 3/4" Reducer with Test Ports
440-02	2" X 3/4" Reducer with Test Ports
440-03	3" PVC Cap with Test Ports
440-04	4" PVC Cap with Test Ports
440-06	6" PVC Cap with Test Ports
443-02	2" Steel Cap with Test Ports
443-03	3" Steel Cap with Test Ports
443-04	4" Steel Cap with Test Ports
443-06	6" Steel Cap with Test Ports
443-08	8" Steel Cap with Test Ports
545-00	Conversion Plug 1/2" & 1/4" Test Ports
545-01	Conversion Plug 3/4" CHI & 1/4" MQC
545-02	Converion Plug 3/4" MQC & 1/4" MQC

Custom Designs Are Always™ Available

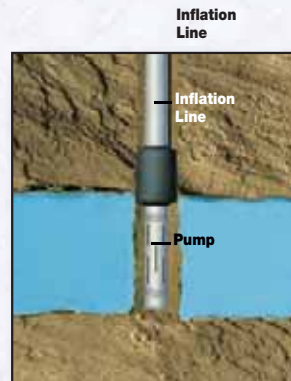
WELL-PACKERS

THE LANSAS WELL-PACKERS have many applications. They are commonly used for taking water samples from different levels in the well. Another use is to isolate sections of the well to prevent contaminants from entering the pump system.

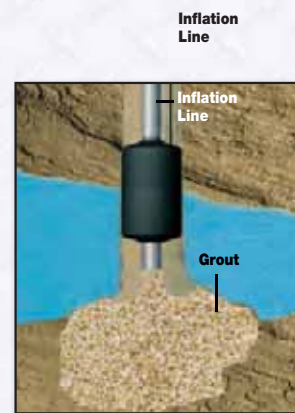
All Lansas Packers are made to order for use in bore holes or casings ranging 1" - 36" using aluminum, carbon or stainless steel. The bladders utilize multiple layers of fabric reinforcement and can be designed for inflation pressures in excess of 500 psi. You may choose to use nitrile, neoprene, NSF food grade or natural rubber.



Between Packer Sampling

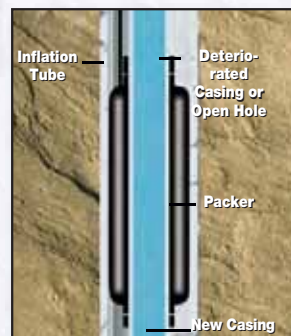


Below Packer Sampling



Grouting

Relining Deteriorated Casing



Complete our **CUSTOM WELL-PACKER INFORMATION FORM** at the **LANSAS website** or call now for pricing!

18" Well-Packer



8" Custom Well-Packer



12" Well-Packer



10" Well-Packer

Custom Designs Are Always™ Available

TERMS AND CONDITIONS

WARNING

BLOCK PLUGS TO PREVENT MOVING!
 Safety Instructions are sent with each new plug or they can be downloaded from the Lansas website at www.lansas.com.

CREDIT

Open account terms will be extended to firms with satisfactory commercial ratings. To avoid delay in servicing an order, we will accept MasterCard or Visa when proper credit information is not available.

TERMS OF PAYMENT

NET 30 DAYS unless otherwise noted. **MINIMUM ORDER IS \$100.00 NOT INCLUDING FREIGHT.**

RETURNED GOODS POLICY

You must call LANSAS to get an RMA and authorization for any returns. **We do not accept any returns after 30 days of purchase.** All returns are subject to a **25% RESTOCKING FEE.** Items sent without authorization or an RMA will not be accepted for return. Items must be shipped prepaid. Collect shipments will be refused. All returns are contingent on our inspection at Lansas facility.

FREIGHT POLICY

All orders will be shipped via one of the many surface carriers available. All shipments are F.O.B. Lodi, California, to one destination per purchase order. Drop shipment will be made upon request. We strongly recommend the inspection of all items for freight damage upon arrival of shipment. If there is damage to the product you need to notify both **LANSAS AND THE FREIGHT CARRIER.**

SPECIFICATIONS

The dimensions, weights, lengths, and other specifics in this and any of our catalogs, telephone quotes and any correspondence are subject to variations within reasonable tolerances as our products are handcrafted.

ORDERS

All orders are subject to acceptance by our sales office. We will not be held responsible for delays or non-fulfillment due to weather, riots, fire, floods, strikes, acts of God or any causes beyond our control. Invoicing is based on the most current price list.

PAST DUE ACCOUNTS

A SERVICE CHARGE OF 1.5% PER MONTH will be charged on all past due accounts. When purchasing Lansas products the customer agrees that any collection costs, including attorney or agency fees, will be the customer's responsibility.

For More Information on our terms and conditions go to www.lansas.com

VANDERLANS AND SONS, INC.

CORPORATE OFFICE: LODI, CALIFORNIA

Toll Free 1-800-452-4902 • (209) 334-4115 • Sales Fax (209) 339-8260

STOCKING WAREHOUSES:

Atlanta, GA (770) 509-9309 • Houston, TX (832) 831-4458 • Chicago, IL (800) 452-4902

Lansas[®] PRODUCTS

Manufactured by Vanderlans & Sons, Inc.

⚠ WARNING

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LANSAS PRODUCTS WARRANTY INFORMATION

All LANSAS products are warranted against manufacturing defects for a period of two years from the date of sale. At their option, Vanderlans and Sons, Inc., will either repair or replace any product found to have had a factory defect. Any product suspected of being defective must be returned, pre-paid freight, to the factory for inspection. Freight collect shipments will be refused.

Certain LANSAS products are warranted for a period of five years from the date of sale. (See Manufacturer for list of products with a five year warranty.) The five year warranty incorporates all of the terms and conditions of the two year warranty with an additional three years of warranty based on the age of the product. Vanderlans & Sons, Inc. will credit a percentage of the original purchase price of the product towards the purchase of a new LANSAS product with a five year warranty.

No liability shall exist in case of misuse, abuse, over/under inflation or other negligence, or for any costs other than the replacement costs of the item in question. No liability is, or shall be, assumed for any consequential damages arising from the use of any device other than stated in this warranty.

SAFETY NOTIFICATION

— SAFETY VIDEO AVAILABLE —

Inflatable products are intended for use in piping systems only. Do not inflate product unless totally confined within proper size pipe.

Each inflatable item is specifically rated for certain pressures under specific conditions. Do not over or under exceed these pressures, as specified for each device. If in doubt, contact the factory.

All inflatable devices must be used with proper blocking or restraints that meet or exceed the standards of the industry, consult a registered engineer.

Inflatable devices are designed for inflation in piping only. Device must conform in rated size(s) to piping size.

Through misuse, abuse, improper storage, age or component failure or malfunction, a device may fail. The user is warned to consider the failure mode of all parts (components) to be used in the system and to provide adequate safeguards to prevent personal injury, death or property damage in the event of a failure mode occurrence.

All end users must be thoroughly instructed in all safety aspects when using these products and how to provide for personal protection in the event of a failure mode.

It is the responsibility of the user to check all components for both accuracy and integrity immediately prior to use.

All gauges and pressure components must be checked and certified for function and accuracy.

All end users are cautioned to review specific warnings, ratings, pressures and other information immediately prior to use. This information may be found in instruction sheets, product specification sheets, catalogs/brochures on the device, and/or on attached hang tags.

If such information cannot be located, the user is requested to call the factory at (800) 452-4902 for specific information. Such information will be supplied in written form by FAX or mail upon request. Lansas safety information can also be found on the internet. Check our website: www.lansas.com.

Do not operate or attempt to use any inflatable device without proper training and complete information regarding inflatable to be used.

For More Information on our Warranty go to www.lansas.com

Lansas[®] PRODUCTS

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USEFUL INFORMATION

⚠ WARNING

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HEAD IN FEET REDUCED TO POUNDS PER SQUARE INCH							
CONVERTING HEAD FEET OF WATER TO POUNDS PER SQUARE INCH (PSI)							
HEAD FEET	PSI	HEAD FEET	PSI	HEAD FEET	PSI	HEAD FEET	PSI
1	0.43	14	6.06	27	11.69	40	17.32
2	0.87	15	6.49	28	12.12	41	17.75
3	1.30	16	6.93	29	12.56	42	18.19
4	1.73	17	7.36	30	12.99	43	18.62
5	2.16	18	7.79	31	13.42	44	19.05
6	2.60	19	8.23	32	13.86	45	19.48
7	3.03	20	8.66	33	14.29	46	19.92
8	3.46	21	9.09	34	14.72	47	20.35
9	3.90	22	9.53	35	15.15	48	20.78
10	4.33	23	9.96	36	15.59	49	21.22
11	4.77	24	10.39	37	16.02	50	21.65
12	5.20	25	10.82	38	16.45		
13	5.63	26	11.26	39	16.89		

Please remember that pressure is pressure regardless of source and that pounds per square inch in all liquid mediums such as air or water create the same forces to the surface of a plug or testing device.

CONVERSION CHART		
To Convert:	Multiply By:	To Obtain:
bars	14.5	pounds/square inch
millimeters	.03937	inches
cubic feet	7.48052	gallons
feet	30.478	centimeters
feet of water	.8825	inches of mercury
feet of water	.4335	pounds/square inch
inches	25.4	millimeters
inches of mercury	1.133	feet of water
inches of mercury	.4912	pounds/square inch
kilograms	2.2046	pounds
meters	3.281	feet
pounds/square inch	2.307	feet of water
pounds/square inch	2.036	inches of mercury

$\pi = 3.14$ Square Inches = πR^2 Pounds of Force = PSI x Square Inches

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E-mail: information@lansas.com

All orders processed at the Corporate Office in Lodi, California

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Lansas[®] PRODUCTS

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We Dig America