

OVER 30 YEARS OF PIPING INDUSTRY EXPERIENCE



# TEST PLUGS

A COMPLETE LINE OF LOW, MEDIUM & HIGH PRESSURE TEST PLUGS



**COB**  
INDUSTRIES, INC.

## LOW PRESSURE NYLON EXPANSION PLUGS 0.5" to 6"



These superior, versatile, expandable plugs are used to accommodate a wide variety of industrial applications where an airtight seal is required.

### SOLID STEM / SS-0.5" TO 1.5"

STOCK NUMBER	NOMINAL SIZE	SIZE UNEXPANDED	SIZE EXPANDED	UNIT WEIGHT (lbs.)
SS 0.50	0.50"	0.490"	0.600"	1/4
SS 0.75	0.75"	0.740"	0.900"	1/4
SS 1.00	1.00"	0.975"	1.200"	1/4
SS 1.25	1.25"	1.225"	1.450"	1/4
SS 1.50	1.50"	1.480"	1.750"	1/4

(SS series now available with vented stem)

### HOLLOW STEM / VS - 1.5" TO 6"

STOCK NUMBER	NOMINAL SIZE	SIZE UNEXPANDED	SIZE EXPANDED	UNIT WEIGHT (lbs.)
VS 0.50	0.50"	0.490"	0.600"	1/4
VS 0.75	0.75"	0.740"	0.900"	1/4
VS 1.00	1.00"	0.975"	1.200"	1/4
VS 1.25	1.25"	1.225"	1.450"	1/4
VS 1.50	1.50"	1.420"	1.930"	1/4
VS 2.00	2.00"	1.930"	2.360"	1/4
VS 2.50	2.50"	2.400"	2.760"	1/4
VS 3.00	3.00"	2.870"	3.310"	1/3
VS 4.00	4.00"	3.540"	4.250"	1/2
VS 5.00	5.00"	4.720"	5.370"	1
VS 6.00	6.00"	5.500"	6.290"	1
NPHOSE18	18" RUBBER HOSE W/ 1/2" NPT FITTINGS			
NPHOSE48	48" RUBBER HOSE W/ 1/2" NPT FITTINGS			

### COB ADVANTAGES

- Quality, lightweight, durable nylon. 20% lighter than metal.
- Tough/shatter-proof and easily cleaned and maintained, corrosion resistant.
- Plaster and cement do not adhere to the plug.
- Friction-reducing acetal copolymer thrust washer inserted between plate and wing nut provides for easy expansion.
- Natural rubber provides "superior" seal. SS withstand 60-100 PSI, VS withstand 24-42 PSI.
- Larger sizes incorporate strengthening ribs to provide rigidity in use.
- Will withstand up to 100 ft. head of water.
- Silicon, nitrile, and viton seals available.

## CAST ALUMINUM EXPANSION PLUGS 1 1/2" TO 36"



### ALUMINUM / AP-1 1/2" TO 36"

STOCK NUMBER	NOMINAL SIZE	SIZE UNEXPANDED	SIZE EXPANDED	STEAM DIAMETER	UNIT WEIGHT (lbs.)
AP01.50	1 1/2"	1.456"	1.889"	1/2"	.50 LB
AP02.00	2"	1.889"	2.440"	1/2"	.50 LB
AP02.50	2 1/2"	2.440"	2.775"	1/2"	.50 LB
AP03.00	3"	2.795"	3.425"	1/2"	.75 LB
AP03.50	3 1/2"	3.503"	3.700"	1/2"	1 LB
AP04.00	4"	3.779"	4.133"	1/2"	1 LB
AP04.50	4 1/2"	4.251"	4.724"	1/2"	1 LB
AP05.00	5"	4.842"	5.393"	1/2"	1.5 LBS
AP06.00	6"	5.900"	6.550"	1/2"	1.5 LBS
AP07.00	7"	6.550"	7.300"	1"	3.2 LBS
AP08.00	8"	7.700"	8.550"	1"	3.4 LBS
AP09.00	9"	8.200"	9.100"	1"	3.9 LBS
AP10.00	10"	9.200"	10.250"	1"	4.5 LBS
AP11.00	11"	10.300"	11.200"	1"	4.9 LBS
AP12.00	12"	11.350"	12.450"	1"	6.7 LBS
AP14.00	14"	13.800"	15.100"	1"	11 LBS
AP15.00	15"	14.350"	15.800"	1"	11.3 LBS
AP16.00	16"	15.600"	17.000"	1"	13.8 LBS
AP18.00	18"	17.450"	19.250"	1"	17 LBS
AP20.00	20"	19.150"	20.650"	2"	30 LBS
AP21.00	21"	20.650"	22.100"	2"	(STEEL) 22.7 LBS
AP24.00	24"	23.550"	25.500"	2"	33 LBS
AP27.00	27"	26.250"	27.700"	2"	44 LBS
AP30.00	30"	29.250"	31.000"	2"	60 LBS
AP33.00	33"	32.500"	34.800"	2"	86 LBS
AP36.00	36"	34.500"	36.800"	2"	96 LBS

### COB ADVANTAGES

- Lightweight, easy to handle - up to 70% lighter than similar steel plugs.
- Durable cast aluminum - heavy duty, non-corrosive and maintenance-free; with natural rubber seal.
- Fill or Vent - threaded pipe stem has removable cap.
- Simple to install and work with - wing nut easily expands rubber seal.
- Special sizes are available to increase expansion range.

NOTE: Expansion plugs are less effective at the higher limits of expansion than in the mid range. Let us help you by supplying the proper sizes for your requirements.

## OLS PIPE PLUG/FLOW STOPPER



PART #	INFLATION PRESSURE MAX	DIAMETER MIN. INCHES	DIAMETER MAX. INCHES	LENGTH INCHES	OLS DIAMETER	WEIGHT LBS.
OLS-40/70	20	1.60	2.75	6.30	1.40	.77
OLS-70/150	20	2.75	6.00	12.20	2.60	1.20
*OLS-100/200	42	4.00	8.00	20.00	3.75	4.40
*OLS-200/400	42	8.00	16.00	20.00	6.90	8.80
*OLS-300/600	42	12.00	24.00	24.00	11.40	19.80
*OLS-500/1000	42	20.00	40.00	40.00	17.90	44.00
*OLS-500/1200	42	20.00	48.00	61.00	18.00	115.00

\*This product is also available in a more chemical resistant nitrile rubber quality.

Max. Backpressure with Water Tests At Mentioned Pipe Dia. in Inches

OLS	2"	3"	4"	6"	8"	12"	16"	20"	24"	28"	31"	35"	39"	47"
	PSI													
OLS-40/70	13	10												
OLS-70/150		13	12	10										
OLS-100/200			29	23	19									
OLS-200/400				29	25	13								
OLS-300/600					29	26	23	13						
OLS-500/1000						29	28	26	23	13	6			
OLS-500/1200							28	28	26	26	25	25	12	

### TYPICAL APPLICATIONS

- Used as a block plug, a water/air test plug, or leak locating back plug.
- Can be floated down pipe and stopped at desired location to prevent going down a manhole for installation or removal.
- Grows shorter as it inflates to put less stress on plug.

## FLEX ODS BYPASS PLUG



PART #	INFLATION PRESSURE MAX	DIA. MIN. INCHES	DIA. MAX. INCHES	CONNECTION TYPE	LENGTH INCHES	WEIGHT LBS.
Flex-ODS 100/200	28	4.00	8.00	see factory	20	4.40
Flex-ODS 200/400	28	8.00	16.00	see factory	20	15.50
Flex-ODS 300/600	28	12.00	24.00	see factory	24	19.80
Flex-ODS 500/1000	28	20.00	40.00	see factory	49	31.00
Flex-ODS 500/1200	28	20.00	48.00	see factory	61	122.00

Max. Backpressure with Water Tests At Mentioned Pipe Dia. in Inches

Flex-ODS	2"	3"	4"	6"	8"	12"	16"	20"	24"	28"	31"	35"	39"	47"
	PSI													
Flex-ODS 100/200	19	14	10											
Flex-ODS 200/400				19	16	7								
Flex-ODS 300/600					19	17	14	9						
Flex-ODS 500/1000						19	17	16	16	14	9			
Flex-ODS 500/1200							19	17	16	16	16	14	7	

### COB ADVANTAGES

- Equipped with replaceable insert through plug body.
- Allows capping for air tight seal or connection for pipe or hose.
- Ideal for by-passing applications.



The MEGAPLUG® is specially designed for large diameter pipe (32" +). The unique construction allows these useful plugs to seal in many different pipe diameters through a standard manhole cover. The MEGAPLUG® is built from high quality Kevlar® cord reinforced neoprene and comes ready to test and bypass with air or water.

## MEGAPLUG®

PART #	INFLATION PRESSURE MAX	DIA. MIN. INCHES	DIA. MAX. INCHES	CONNECTION FRONT & BACK	DIA. ODS	LENGTH INCHES	WEIGHT LBS.
ODS-1400	20	20	55	see factory	19.30	78	172
ODS-1600	14.2	28	63	see factory	19.30	91	199
ODS-2000	14.2	32	78	see factory	19.30	130	286
ODS-2400	7	47	96	see factory	30.00	158	661

Max. Backpressure with Water Tests At Mentioned Diameter

TYPE ODS	Working Press. Max	20"	24"	28"	32"	36"	40"	48"	55"	63"	71"	79"	87"	96"
ODS 1400	20.0 PSI	20.0	19.0	19.0	18.0	17.5	17.0	15.5	12.0					
ODS 1600	14.2 PSI		13.5	12.5	12.0	11.5	10.0	8.5	7.0					
ODS 2000	14.2 PSI			13.5	12.5	11.5	10.0	9.0	8.5	7.5	7.0			
ODS 2400	7.0 PSI							6.0	6.0	4.0	4.0	3.0	3.0	

## BAG PLUGS 2" to 72"



Bag Plug Pressure:  
(very low pressure gas test)  
BB: 1/4 lb.  
BC: 2 to 8 - lb.  
9 to 12 - 3/4 lb.  
12 to 24 - 1/2 lb.  
25 up - 1/4 lb.

Larger sizes and Nitrile Bladders available upon request.

PART # TYPE "BB" BAG	SIZE GUM RUBBER BLADDER ONLY	UNIT WEIGHT (lbs.)	PART # TYPE "BC" BAG	SIZE GUM RUBBER BLADDER W/POLYESTER COVER	UNIT WEIGHT (lbs.)
BB102	2 INCH	.05	BC102	2 INCH	.05
BB103	3 INCH	.05	BC103	3 INCH	.05
BB104	4 INCH	1.0	BC104	4 INCH	1.0
BB106	6 INCH	1.2	BC106	6 INCH	1.2
BB108	8 INCH	1.5	BC108	8 INCH	1.5
BB110	10 INCH	2.0	BC110	10 INCH	2.0
BB112	12 INCH	3.0	BC112	12 INCH	3.0
BB114	14 INCH	4.0	BC114	14 INCH	4.0
BB116	16 INCH	5.0	BC116	16 INCH	5.0
BB118	18 INCH	6.0	BC118	18 INCH	6.0
BB120	20 INCH	7.0	BC120	20 INCH	7.0
BB122	22 INCH	7.2	BC122	22 INCH	8.0
BB124	24 INCH	8.5	BC124	24 INCH	8.5
BB126	26 INCH	9.0	BC126	26 INCH	10
BB128	28 INCH	12	BC128	28 INCH	12
BB130	30 INCH	19	BC130	30 INCH	19
BB132	32 INCH	25	BC132	32 INCH	25
BB136	36 INCH	32	BC136	36 INCH	32
BB142	42 INCH	36	BC142	42 INCH	36
BB148	48 INCH	43	BC148	48 INCH	43

## QWIK-SEALFAST INFLATABLE PLUGS 4" TO 72"

The M.P. Plug design utilizes a combination of a positive seal with the restraining tension produced by the set screws on the pipe I.D. to withstand total line loads up to 150 PSI. (consult factory)

TEST PLUG PIPE I.D. RANGE	LINE TEST P.S.I.G.	TOTAL LINE LOAD IN LBS. AT TOP OF RANGE
4" - 36"	150	152,682 lbs.
36" - 54"	105	240,474 lbs.
54" - 72"	60	244,291 lbs.

OVER 72" CONTACT FACTORY FOR INFO.

\*Mechanical Seals Available.

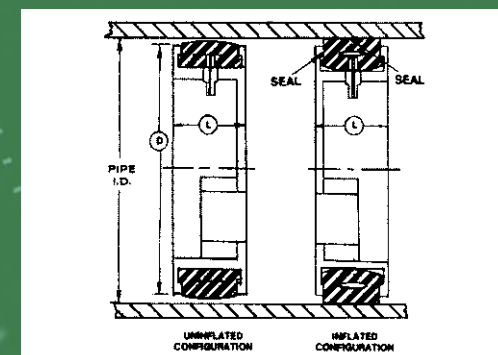


### COB ADVANTAGES

- Line test pressures up to 150 PSI
- High strength corrosive resistant aluminum alloy with SBR rubber
- Inflates with minimum volume of air

### TYPICAL APPLICATIONS

- Treatment and purification lines
- Intermediate transmission lines
- Subaqueous transmission and discharge
- Force main and water main
- Pumping and lift stations
- Nuclear cooling lines
- Irrigation supply
- Pipe line testing
- Shipyards



## QWIK-HIGH PRESSURE PIPE STOPPERS 0.5" to 24"

Designed for pressure testing up to 5,000 PSI. Special "Twin Cone" grips provide 100% contact with pipe wall and minimize tube wall contact.



### ADVANTAGES

- Schedule 40, 80, 160 and special sizes available
  - Easy installation and removal
  - Case hardened steel - cadmium plated
- Note: Small bore model for .480" to 1.125" inside diameter.

SCHD. 40 STOCK NO.	SCHD. 80 STOCK NO.	SCHD. 160 STOCK NO.	NOMINAL SIZE (IPS)	MAX OP. PRESSURE (psig)	STEM DIA (in)	UNIT WEIGHT (lbs.)
0400.50	0800.50	1600.50	1/2"	5000	1/2	0.5
0040.75	0800.75	1600.75	3/4"	5000	1/2	0.5
0401.00	0801.00	1601.00	1"	5000	1/2	0.5
0401.25	0801.25	1601.25	1 1/4"	5000	5/8	1
0401.50	0801.50	1601.50	1 1/2"	4000	7/8	2
0402.00	0802.00	1602.00	2"	4000	7/8	3
0402.50	0802.50	1602.50	2 1/2"	4000	7/8	4
0403.00	0803.00	1603.00	3"	3500	1 1/4	5
0403.50	0803.50	1603.50	3 1/2"	3500	1 1/4	7
0404.00	0804.00	1604.00	4"	3000	1 1/4	9
0406.00	0806.00	1606.00	6"	2000	1 1/2	21
0408.00	0808.00	1608.00	8"	1500	1 1/2	32

10+ Please call for specifications

## QWIK-SOCKET WELD PLUG



- Sizes available in 1/2", 3/4", 1 1/4", 1 1/2", 2".
- Eliminates need for welding plugs or nipples to opening for testing.
- Available with filling or venting connection similar to type "C" stopper.

## QWIK-HIGH PRESSURE EXTERNAL CLOSURE



For Hydrostatic Testing & Plain-End Pipe & Tubing

### ADVANTAGES:

- Instant, external sealing. Just slide on and tighten
  - High safety factor-as test pressure increases, the clamp forms a tighter seal.
  - Great reliability. An industry-proven performer
  - Wide range of sizes in tubing and pipe up to 12-in Dia
  - Available in alloy steel, aluminum and stainless steel
- (NOTE: Order GCN for pipe and GCT for Tubing)

## INFLATABLE SEAL PLUGS Low and Medium Pressure



Inflatable seal plugs have been proven around the world for blocking, testing, by-passing and keeping lines under construction clean.

Large diameter disc plug unit equipped with 2" test ports.  
Braced pressure 15 psi.

### QWIK-TEST

PART #	FOR PIPE SIZE	MIN. PIPE DIA.	MAX. PIPE DIA.	UNIT WEIGHT (lbs.)
010-04-0	4"	3.8"	4.25"	2.5
010-06-0	6"	5.8"	6.25"	2.5
010-08-0	8"	7.8"	8.25"	4.5
010-10-0	10"	9.8"	10.25"	6.0
010-12-0	12"	11.8"	12.25"	8.0
010-14-0	14"	13.8"	14.25"	9.0
010-15-0	15"	14.8"	15.25"	11.0
010-16-0	16"	15.8"	16.25"	12.0
010-18-0	18"	17.8"	18.25"	15.0
010-20-0	20"	19.7"	20.25"	19.0
010-21-0	21"	20.7"	21.25"	20.0
010-24-0	24"	23.7"	24.25"	26.5
011-27-1	27"	26.5"	27.25"	87.0
011-30-1	30"	29.5"	30.25"	90.0
011-33-1	33"	32.5"	33.25"	115.0
011-36-1	36"	35.5"	36.25"	127.0
011-39-1	39"	38.5"	39.25"	138.0
011-42-1	42"	41.5"	42.25"	155.0
011-45-1	45"	44.5"	45.25"	172.0
011-48-1	48"	47.5"	48.25"	183.0
011-54-1	54"	53.5"	54.25"	265.0
011-60-1	60"	59.5"	60.25"	310.0
011-66-1	66"	65.5"	66.25"	*
011-72-1	72"	71.5"	72.25"	*
011-78-1	78"	77.5"	78.25"	*
011-84-1	84"	83.5"	84.25"	*
011-90-1	90"	89.5"	90.25"	*
011-96-1	96"	95.5"	96.25"	*

\* Special order. Consult Factory.

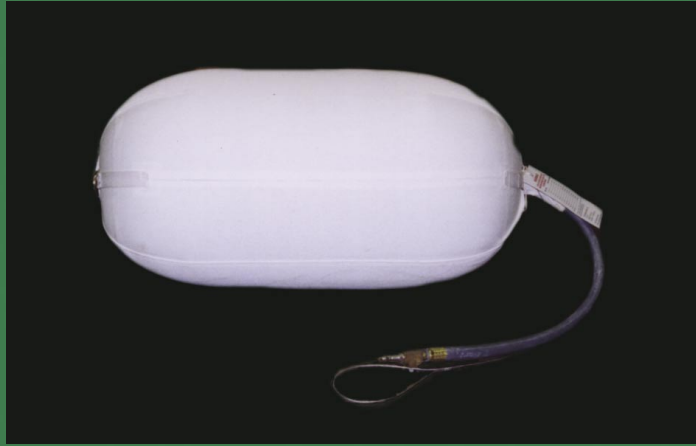
Bypass and vent ports standard.

### MEDIUM PRESSURE ROLL-UP Braced pressure 100 PSI (air in plug)

PART #	FOR PIPE SIZE	MIN. PIPE DIA.	MAX. PIPE DIA.	UNIT WEIGHT (lbs.)
040-04-1	4"	3.8"	4.25"	5.0
040-06-1	6"	5.5"	6.25"	11.0
040-08-1	8"	7.0"	8.25"	14.0
040-10-1	10"	9.0"	10.25"	29.0
040-12-1	12"	11.0"	12.25"	37.0
040-14-1	14"	13.0"	14.25"	45.0
040-15-1	15"	14.0"	15.25"	45.0
040-16-1	16"	15.0"	16.25"	52.0
040-18-1	18"	17.0"	18.25"	64.0
040-20-1	20"	19.0"	20.25"	80.0
040-21-1	21"	20.0"	21.25"	95.0
040-24-1	24"	23.0"	24.25"	130.0
040-27-1	27"	26.0"	27.25"	175.0
040-30-1	30"	29.0"	30.25"	200.0
040-33-1	33"	32.0"	33.25"	250.0
040-36-1	36"	35.0"	36.25"	285.0
040-39-1	39"	38.0"	39.25"	340.0
040-42-1	42"	41.0"	42.25"	370.0
040-45-1	45"	44.0"	45.25"	400.0
040-48-1	48"	47.0"	48.25"	470.0
040-54-1	54"	53.0"	54.25"	540.0
040-60-1	60"	59.0"	60.25"	600.0
040-66-1	66"	65.0"	66.25"	*
040-72-1	72"	71.0"	72.25"	*
040-78-1	78"	77.0"	78.25"	*
040-84-1	84"	83.0"	84.25"	*
040-90-1	90"	89.0"	90.25"	*
040-96-1	96"	95.0"	96.25"	*

\* Special order. Consult Factory.

## QWIK-FIT CYLINDER PLUGS



The Qwik-Fit Cylinder Plug is an inflatable plug with a rugged polyester cover which may be inflated to a high internal pressure to hold against as much as ten pounds of pressure in the pipe.

Qwik-Fit Cylinder Plugs should be inflated to the pressure given on the card fastened to each plug. These pressures are listed below.

PART NO.	NOMINAL SIZE	MAX. INFL. PRESSURE
QC02.00	2 IN.	15 LBS.
QC03.00	3 IN.	15 LBS.
QC04.00	4 IN.	15 LBS.
QC06.00	6 IN.	15 LBS.
QC08.00	8 IN.	12 LBS.
QC10.00	10 IN.	10 LBS.
QC12.00	12 IN.	8 LBS.
QC14.00	14 IN.	6 LBS.
QC16.00	16 IN.	6 LBS.
QC18.00	18 IN.	5 LBS.
QC20.00	20 IN.	5 LBS.
QC22.00	22 IN.	5 LBS.
QC24.00	24 IN.	3 LBS.
QC30.00	30 IN.	3 LBS.
QC36.00	36 IN.	3 LBS.

Cylinder Plugs inflated according to these directions will hold against a pipe pressure equal to about 60% of the pressure in the bag.

Use a gauge and monitor this pressure.

### REQUIRED PIPE OPENING

PLUG SIZE	REQUIRED OPENING
3" AND UNDER	1"
4" *5"	1 1/4"
6" *7"	1 1/2"
8" 10"	2"
12" 14"	2 1/2"
*15" 18"	3"
20" 24"	4"
30" 36"	5"
42" 48"	6"

\* Indicates special order size.  
Call for information.

Custom sizes and applications made.  
And much, much more . . .

**FROM THE MAKERS  
OF QWIK-FREEZER®  
- THE ORIGINAL U.S.  
PORTABLE PIPE FREEZING  
MANUFACTURER.**