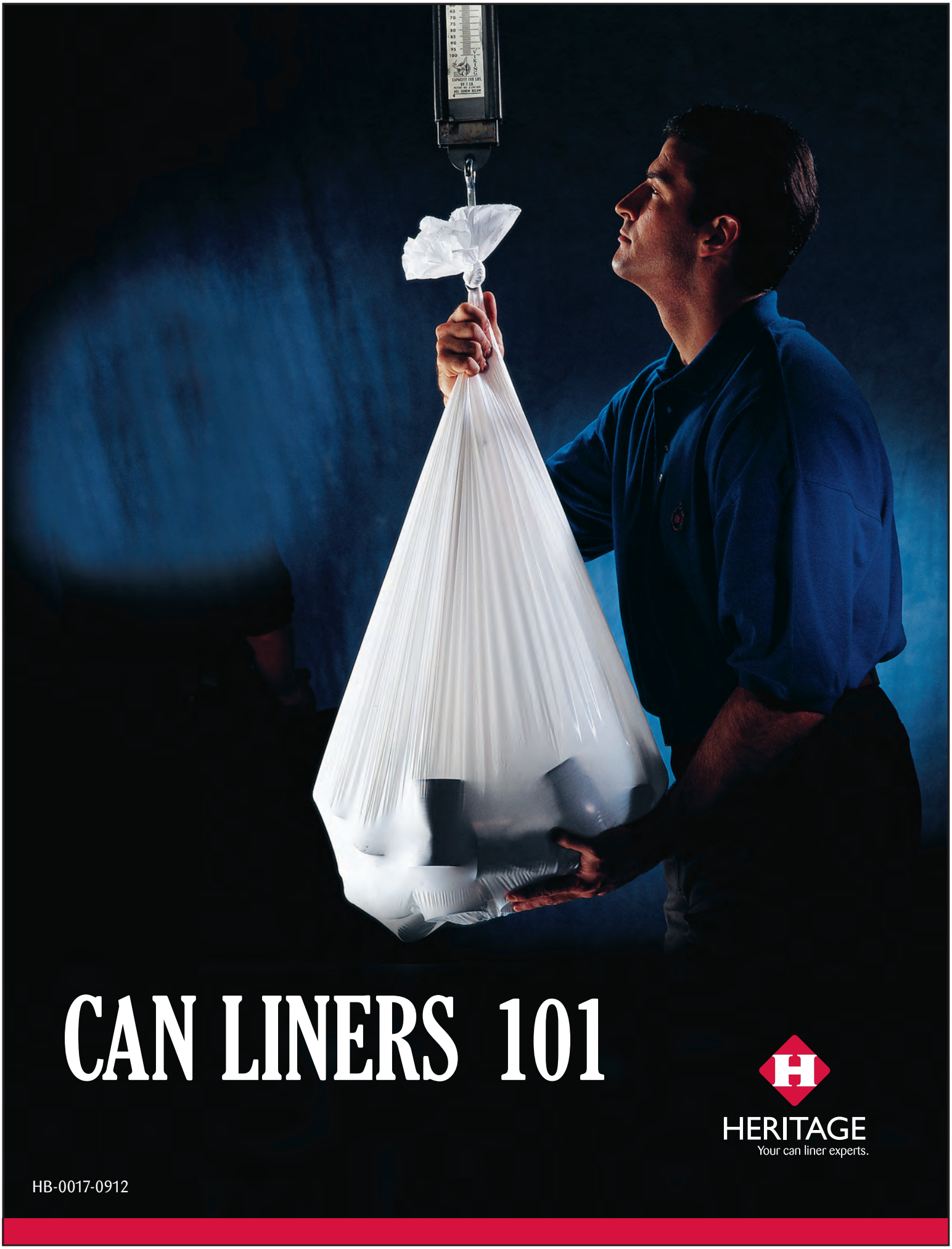


CAN LINERS 101

HERITAGE
Your can liner experts.

HB-0017-0912

HERITAGE

Your can liner experts.

Can Liners 101

There are 2 steps to choosing a bag:

1. Understanding the 2 Plastic Types and Gauge

2. Matching Bag Sizes to cans

Linear Low Density Bags (LLD)

Used for rough or sharp objects under tough transport conditions.

These bags are very strong and are more resistant to tearing, but handle lower load capacities than Hi–D bags.

Suggested LLD applications:

- Sticks, rough yard trimmings, glass
- Metal w/sharp edges
- Plastic eating utensils, food with rough edges

Hi Density Bags (Hi-D)

Used for paper and non-rough objects under moderate transport conditions.

These bags are very strong and handle higher load capacities than LLD bags, but tear easier once punctured.

Suggested Hi-D applications:

- Paper–plates, cups, towels, office
- Grass, rags, smooth heavy objects
- Cans w/out sharp edges, food with out sharp edges

Step 1– Gauge (film thickness)

Film thickness is no longer the standard for judging bag strength. Advanced polymer blend formulations and unique additives have allowed Heritage to produce thinner, lighter trash bags that are stronger than thicker bags made from inferior polymer blends. Below are basic gauge recommendations for Heritage bags:

LLD Gauge Equivalents and Recommendations

Light	.30 - .49	Mil	For small cans
Medium	.50 - .60	Mil	
Heavy	.61 - .74	Mil	For midsize cans
Extra Heavy	.75 - .80	Mil	
Super Tuf	.81 - 1.0	Mil	
Super Hvy	1.1 - 1.2	Mil	For larger cans
XXH	1.3 - 1.9	Mil	
XXXH	2.0 - 3.0	Mil	

Hi-D Gauge Equivalents and Recommendations

Light	6 - 9	Mic	For small cans
Medium	10 - 12	Mic	For midsize cans
Hvy	13 - 14	Mic	
Extra Hvy	15 - 17	Mic	For larger cans
XXH	18 - 22	Mic	

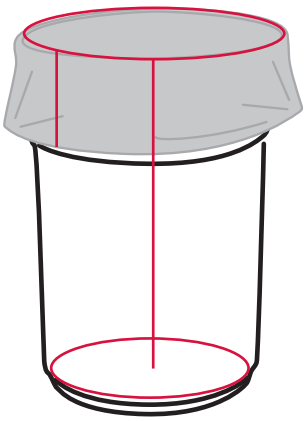
Step 2 – AccuFit & The Top 4 Cans

Bags with AccuFit® dimensions are designed to match the top 4 most common cans in the industry. These bags provide greater ease of use and cost savings due to their accurate fit vs. standard industry bag sizes.

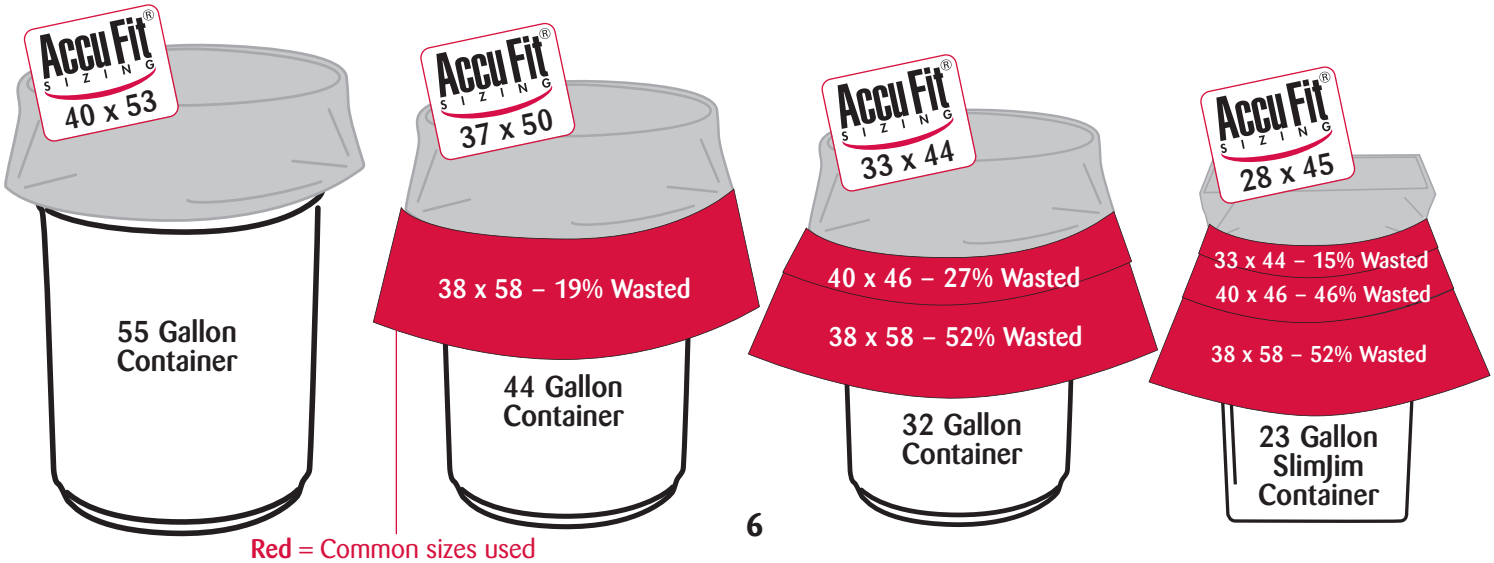
Try New AccuFit® Sizes vs. Standard Industry Sizes – Now available for the most common cans!

AccuFit® SIZING

Tested & Designed For
- Snug Fit
- Proper Overhang
- Correct Length



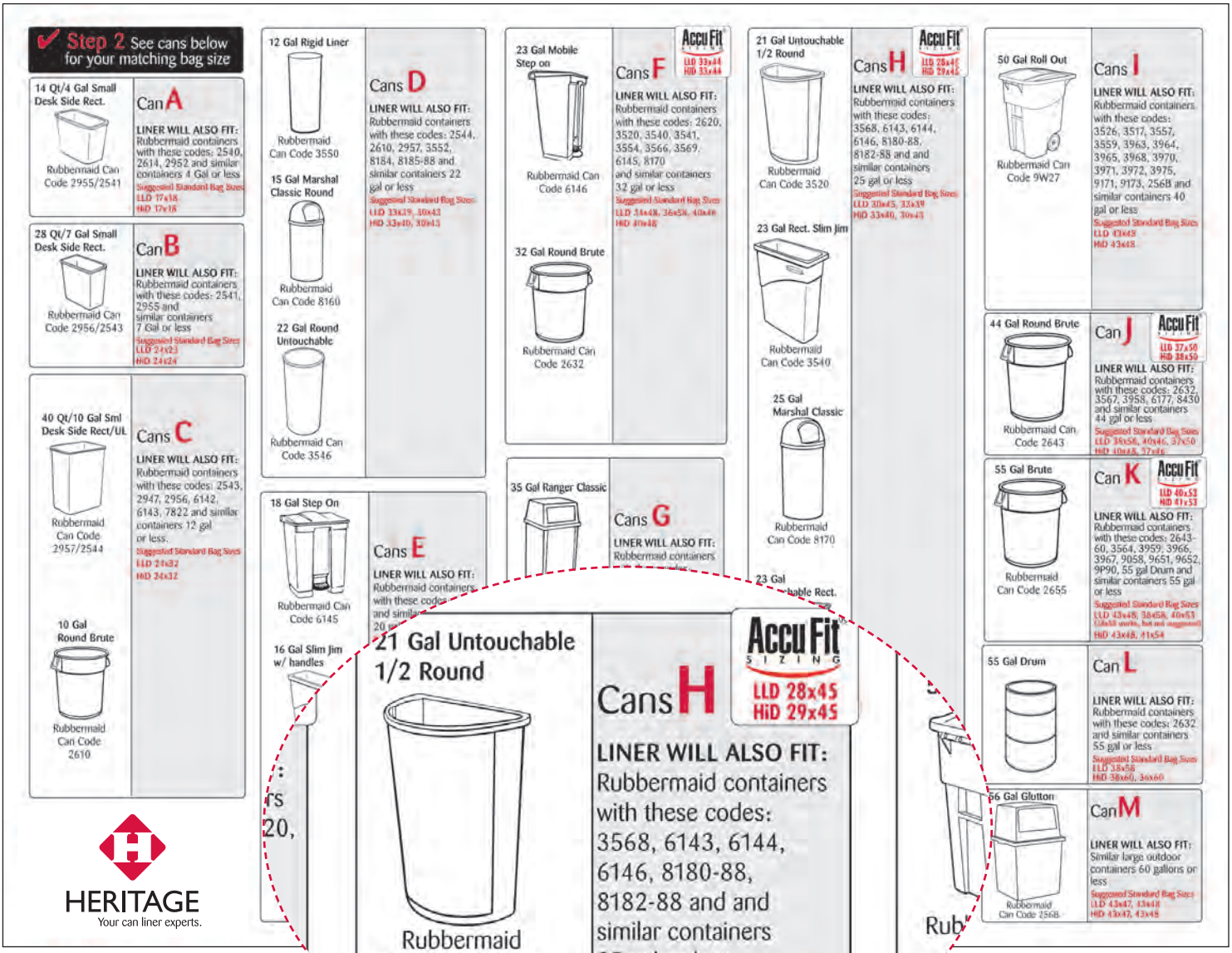
- You don't pay for plastic you don't need
- The AccuFit® sizing won't let bag fall into the can
- Designed for the most common cans and applications
- No wasted plastic – contributing to source reduction



Red = Common sizes used

Step 2 – Heritage Sizing Guide

The Heritage Sizing Guide has a complete list of the most common cans and matching bag sizes in both Hi-D and LLD. (Recommended LLD bag sizes may differ from the Hi-D sizes because of their ability to stretch.) The guide shows standard bag sizes and the AccuFit® sizes where applicable.



Custom Brochure

Heritage creates a "QuickPick" customized sales brochure for all customers. The brochure matches your specific liners to the most common cans in the industry – eliminating guesswork in the field.

Fits Can	Type	Color	Gauge	Size	Capacity	Case/Pack	Distr. Code	HBC Code	Description
C	Low Density	Black	.35 Mil	24x32	12-16 gallon	500	xxxxxxxx	H4832RBS	
C	Low Density	Clear	.70 Mil	24x32	12-16 gallon	500	xxxxxxxx	H4832HCS	
C	Hi Density	Natural	8 Mic	24x33	12-16 gallon	20/50	xxxxxxxx	Z4833LNSR01	
H	Low Density	Black	.9 Mil	28x45	20-30 gallon	8/25	xxxxxxxx	H5645TKSR01	AccuFit Size
E	Low Density	Black	.7 Mil	30x36	20-30 gallon	250	xxxxxxxx	H6036HBS	

Fits Can	Type	Color	Gauge	Size	Capacity	Case/Pack	Distr. Code	HBC Code	Description
A	Hi Density	Natural	6 Mic	20x22	7 gallon	40/50	xxxxxxxx	Z4022RNSR01	
A,B	Low Density	Black	.35 Mil	24x23	8-10 gallon	500	xxxxxxxx	H4823RBS	
A,B	Hi Density	Natural	6 Mic	24x24	8-10 gallon	20/50	xxxxxxxx	Z4824RNSR01	
C	Low Density	Black	.35 Mil	24x32	12-16 gallon	500	xxxxxxxx	H4832RBS	
C	Low Density	Clear	.70 Mil	24x32	12-16 gallon	500	xxxxxxxx	H4832HCS	
C	Hi Density	Natural	8 Mic	24x33	12-16 gallon	20/50	xxxxxxxx	Z4833LNSR01	
H	Low Density	Black	.9 Mil	28x45	20-30 gallon	8/25	xxxxxxxx	H5645TKSR01	AccuFit Size
E	Low Density	Black	.7 Mil	30x36	20-30 gallon	250	xxxxxxxx	H6036HBS	
E	Hi Density	Natural	10 Mic	30x37	20-30 gallon	20/25	xxxxxxxx	Z6037MNSR01	
D, E, H	Low Density	White	.90 Mil	30x43	20-30 gallon	75 RL	xxxxxxxx	K6043TWS	
D, E, H	Low Density	Black	1.2 Mil	30x43	20-30 gallon	50 RL	xxxxxxxx	K6043SKS	
D, E, H	Hi Density	Natural	14 Mic	30x43	20-30 gallon	75 RL	xxxxxxxx	Z6043HNSK14	
D, E, H	Low Density	Black	.90 Mil	33x39	33 gallon	150	xxxxxxxx	H6639TB	
D, E, H	Low Density	Clear	.90 Mil	33x39	33 gallon	150	xxxxxxxx	H6639TCS	
D, E, H	Low Density	White	1.1 Mil	33x39	33 gallon	150	xxxxxxxx	H6639SWS	
D, E, H	Low Density	Black	1.5 Mil	33x39	33 gallon	100	xxxxxxxx	X6639AKSX01	
D, E, H	Hi Density	Natural	9 Mic	33x40	33 gallon	500	xxxxxxxx	Z6640LNS	
D, E, H	Hi Density	Natural	12 Mic	33x40	33 gallon	20/25	xxxxxxxx	Z6640MNSR01	
D, E, H	Hi Density	Natural	16 Mic	33x40	33 gallon	10/25	xxxxxxxx	Z6640VNSR01	
D, E, H	Hi Density	Silver	19 Mic	33x40	33 gallon	250	xxxxxxxx	Z6640ESS	
F	Low Density	Black	.9 Mil	33x44	33 gallon	5/20	xxxxxxxx	H6644TKSR01	AccuFit Size
F	Low Density	Black	1.3 Mil	33x44	33 gallon	5/20	xxxxxxxx	H6644PKSR01	AccuFit Size
E, F, H	Hi Density	Natural	13 Mic	33x46	33 gallon	250	xxxxxxxx	Z6646HNS	
J, L	Low Density	Black	.7 Mil	36x58	55 gallon	200	xxxxxxxx	H7258HBS	
J, L	Low Density	Black	1.5 Mil	36x58	55 gallon	100	xxxxxxxx	X7258AKSX01	
J, L	Hi Density	Natural	13 Mic	36x60	55 gallon	200	xxxxxxxx	Z7260HNS	
J, L	Hi Density	Natural	16 Mic	36x60	55 gallon	200	xxxxxxxx	Z7260VNS	
J	Low Density	Gray	1.5 Mil	37x50	40-45 gallon	150	xxxxxxxx	H44 GS	AccuFit Size
J	Low Density	Black	.9 Mil	37x50	40-45 gallon	5/20	xxxxxxxx	H7450TKSR01	AccuFit Size
J	Low Density	Black	1.3 Mil	37x50	40-45 gallon	5/20	xxxxxxxx	H7450PKSR01	AccuFit Size
J,K,L	Low Density	White	1.25 Mil	38x58	60 gallon	100	xxxxxxxx	H7658SWS	
J,K,L	Low Density	Black	1.5 Mil	38x58	60 gallon	100	xxxxxxxx	X7658AKSX01	
J,K,L	Hi Density	Natural	14 Mic	38x60	60 gallon	200	xxxxxxxx	Z7660HNS	
J,K,L	Hi Density	Silver	19 Mic	38x60	60 gallon	200	xxxxxxxx	Z7660ESS	
F, G, J	Low Density	Black	.70 Mil	40x46	40-45 gallon	125	xxxxxxxx	H8046HBS	
F, G, J	Low Density	Clear	.95 Mil	40x46	40-45 gallon	100	xxxxxxxx	H8046TCS	
F, G, J	Low Density	White	1.1 Mil	40x46	40-45 gallon	100	xxxxxxxx	H8046SWS	
F, G, J	Low Density	Clear	1.5 Mil	40x46	40-45 gallon	100	xxxxxxxx	H8046ACS	
F, G, J	Low Density	Black	1.5 Mil	40x46	40-45 gallon	100	xxxxxxxx	X8046AKSX01	
F, G, J	Hi Density	Natural	11 Mic	40x48	40-45 gallon	250	xxxxxxxx	Z8048MNS	
F, G, J	Hi Density	Natural	13 Mic	40x48	40-45 gallon	10/25	xxxxxxxx	Z8048MNS	
F, G, J	Hi Density	Natural	17 Mic	40x48	40-45 gallon	250	xxxxxxxx	Z8048VNS	
F, G, J	Hi Density	Black	19 Mic	40x48	40-45 gallon	8/25	xxxxxxxx	Z8048ESS	
F, G, J	Hi Density	Natural	22 Mic	40x48	40-45 gallon	150	xxxxxxxx	Z8048XNS	
K	Low Density	Black	.9 Mil	40x53	55 gallon	100	xxxxxxxx	H8053HBS	
K	Low Density	Black	1.3 Mil	40x53	55 gallon	100	xxxxxxxx	H8053TCS	
I, J, M	Low Density	Black	1.5 Mil	43x					
I, J, M	Low Density	Black	2 Mil	43x					
I, J, M	Low Density	Clear							
I, J, M	Hi Density								
I, J, K, M	Low Density								
King									

Step 1 Choose one of two plastic types and gauge

Linear Low Density Bags (LLD)
Used for rough or sharp objects under tough transport conditions.
These liners are very strong & more resistant to tearing, but handle lower load capacities than Hi–D liners.

Suggested applications:
- Sticks, rough yard trimmings, glass
- Metal w/sharp edges
- Plastic eating utensils, food w/rough edges

Hi Density Bags (Hi-D)
Used for paper and non-rough objects under moderate transport conditions.
These liners are very strong and handle higher load capacities than LLD liners, but are less resistant to tear once punctured.

Suggested Hi-D applications:
- Paper plates, paper cups, paper towels, office paper
- Grass, rags, smooth heavy objects
- Cans w/out sharp edges, food w/out sharp edges

LLD Gauge Equivalents and Recommendations

Light	.30 - .49 Mil	For small cans
Medium	.50 - .60 Mil	
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Extra Heavy	.75 - .80 Mil	
Super Tuf	.81 - 1.0 Mil	
Super Hvy	1.1 - 1.2 Mil	
XXH	1.3 - 1.9 Mil	For larger cans
XXXH	2.0 - 3.0 Mil	

Hi-D Gauge Equivalents and Recommendations

Light	6 - 9 Mic	For small cans
Medium	10 - 12 Mic	For midsize cans
Heavy	13 - 14 Mic	For larger cans
Extra Heavy	15 - 17 Mic	

Step 2 Match can letter to product code on left page

14 Qt/4 Gal Small Desk Side Rect.
Rubbermaid Can Code 2955/2541

Can A
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 2540, 2614, 2952 and similar containers 4 Gal or less

28 Qt/7 Gal Small Desk Side Rect.
Rubbermaid Can Code 2956/2543

Can B
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 2541, 2955 and similar containers 7 Gal or less

40 Qt/10 Gal Sml Desk Side Rect/UL
Rubbermaid Can Code 2957/2544

Cans C
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 2543, 2947, 2956, 6142, 6143, 7822 and similar containers 12 gal or less.

12 Gal Rigid Liner
Rubbermaid Can Code 3550

15 Gal Marshal Classic Round
Rubbermaid Can Code 8160

22 Gal Round Untouchable
Rubbermaid Can Code 3546

Cans D
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 2544, 2610, 2957, 3552, 8184, 8185-88 and similar containers 22 gal or less

18 Gal Step On
Rubbermaid Can Code 6145

16 Gal Slim Jim w/ handles
Rubbermaid Can Code 3541

20 Gal Round Brute
Rubbermaid Can Code 3541

Cans E
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 6144 and similar containers 20 gal or less

23 Gal Mobile Step on
Rubbermaid Can Code 6146

32 Gal Round Brute
Rubbermaid Can Code 2632

Cans F
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 2620, 3520, 3540, 3541, 3554, 3566, 3569, 6145, 8170 and similar containers 32 gal or less

35 Gal Ranger Classic
Rubbermaid Can Code 8430

35 Gal Untouchable Square
Rubbermaid Can Code 3958

Cans G
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 2632, 3353 and similar containers 35 gal or less

21 Gal Untouchable 1/2 Round
Rubbermaid Can Code 3520

23 Gal Rect. Slim Jim
Rubbermaid Can Code 3540

25 Gal Marshal Classic
Rubbermaid Can Code 8170

23 Gal Untouchable Rect.
Rubbermaid Can Code 3569

25 Gal Rigid Liner to fit 8430
Rubbermaid Can Code 3566

Cans H
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 3568, 6143, 6144, 6146, 8180-88, 8182-88 and similar containers 25 gal or less

40 Gal Square Brute
Rubbermaid Can Code 3536

50 Gal Roll Out
Rubbermaid Can Code 9W27

Cans I
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 3526, 3517, 3557, 3559, 3963, 3964, 3965, 3968, 3970, 3971, 3972, 3975, 9171, 9173, 256B and similar containers 40 gal or less

44 Gal Round Brute
Rubbermaid Can Code 2643

Can J
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 2632, 3567, 3958, 6177, 8430 and similar containers 44 gal or less

55 Gal Brute
Rubbermaid Can Code 2655

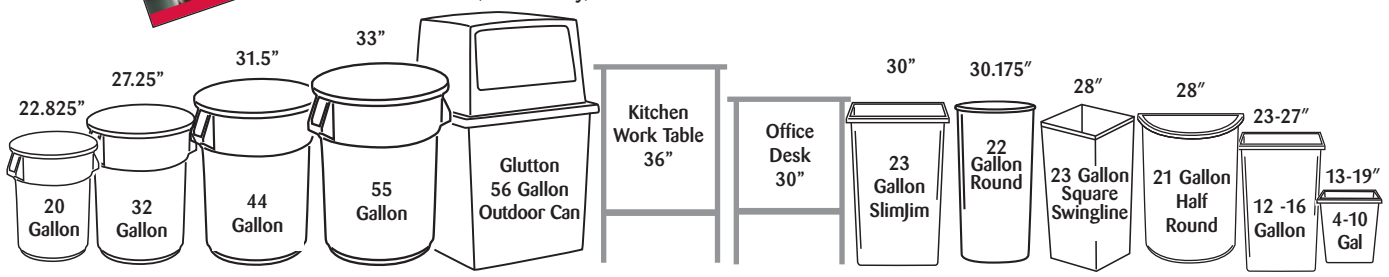
Can K
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 2643-60, 3564, 3959, 3966, 3967, 9058, 9651, 9652, 9P90, 55 gal Drum and similar containers 55 gal or less

55 Gal Drum

Can L
LINER WILL ALSO FIT: Rubbermaid containers with these codes: 2632 and similar containers 55 gal or less

56 Gal Glutton
Rubbermaid Can Code 256B

Can M
LINER WILL ALSO FIT: Similar large outdoor containers 60 gallons or less



Almost all Heritage liners are manufactured with Star Seals because they provide the strongest seal. A Star Seal is not possible with the thickest-gauge material, so a Flat Seal is used to create the strongest possible seal for these heavy-weight bags.

High Performance Star Seal

- Most common type of seal
- Designed without gussets
- Eliminates gaps where leaks can occur
- Conforms to the shape of the container
- Distributes weight evenly
- Maximizes carrying capacity
- Sized in two dimensions, EX: 40 x 46

Other Seals

Flat Seal

- Two-dimensional bag (much like a pillow case)
- Strong, but has the potential to leak wet trash from the corners
- Do not conform as well to the shape of can
- Sized in two dimensions, EX: 40 x 46

Gusset Seal

- Rarely used in the industry
- Flat-style bag design
- Both sides tucked in to form gussets
- Sealed through four layers of film (the middle of the bag has only two sealed layers)
- A potentially weak bottom seal
- Sized in three dimensions, EX: 23 x 17 x 46

Dual-Dispensing Packaging

The Topside Dual-Dispensing Packaging is designed for end-user convenience. Our topside dual-dispensing cartons were developed in response to customer needs. Now, cartons may be stacked to save space while still dispensing liners with greater ease.

Case Labels

All cases are clearly labeled to meet NIST* standards: Code, Size, Gauge, Color, Capacity, Case Pack, Performance Specs, Case Weight, and Bar Code.

Z7660XN R01

(Code)

(Performance Specs)

38x60 in. (O.D.) (Liner Size)

17 Mic. Natural (Gauge & Color)

60 Gallon (Capacity)

8/25 (Case Pack)

Performance Standard in Lbs.
Dry Load 75

(Case Weight and Bar Code)

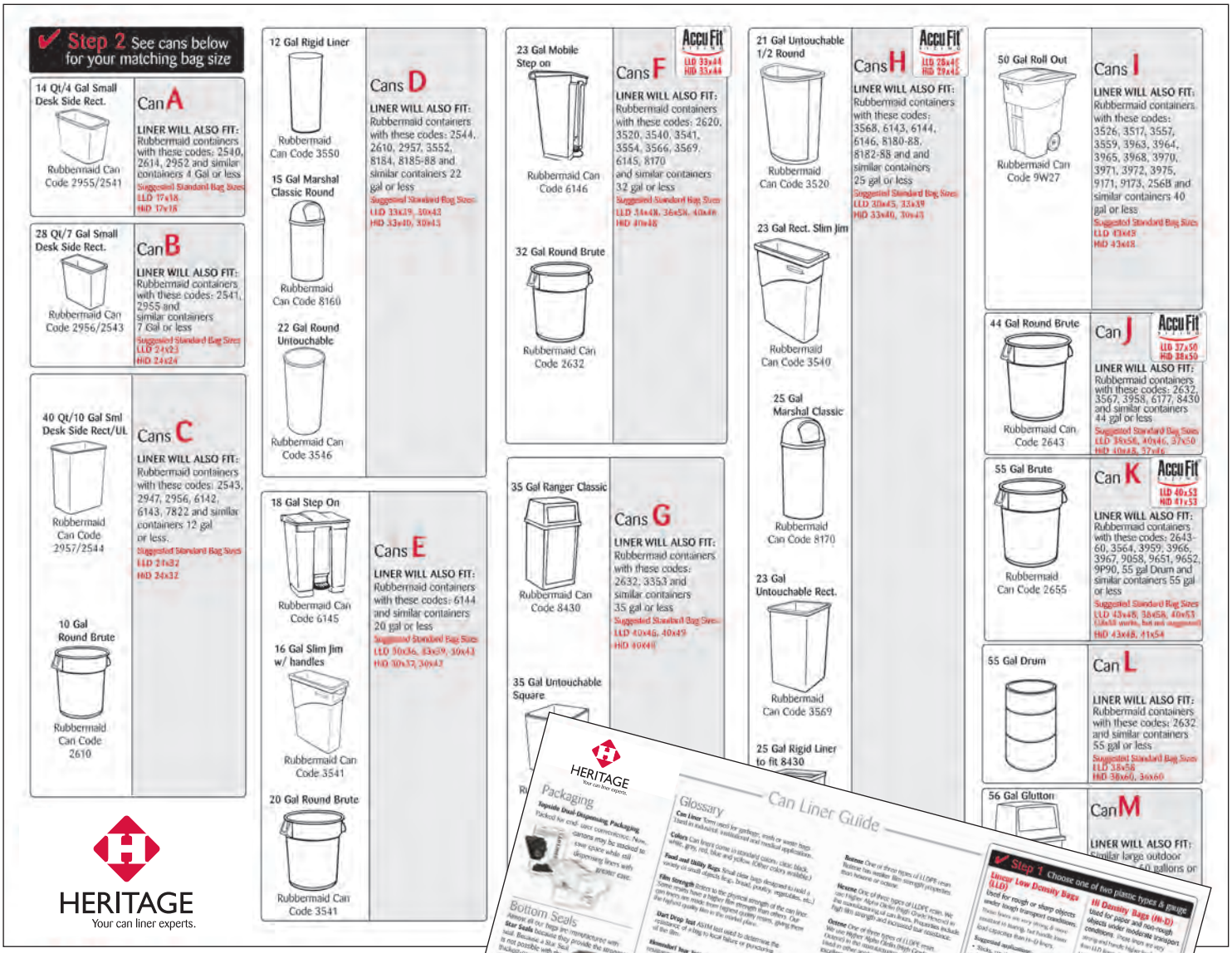
21.05 lb/cs (net)

NIST* (National Institute of Standards and Technology
NIST requirements:

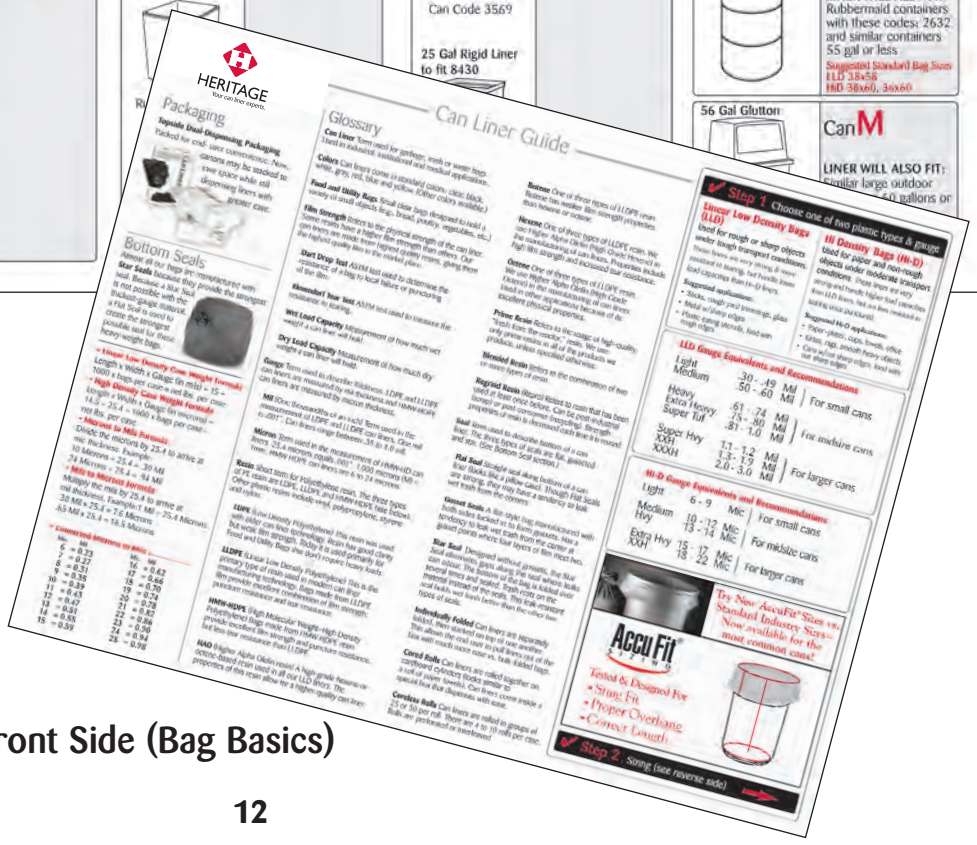
1. Size
2. Gauge
3. Capacity
4. Case Pack
5. Case Weight

Sales Tool #1 – Can Liner Guide

Match bags and cans in two easy steps. This can matching guide will provide you with quick answers for the most common can liner questions.



Reverse Side (Sizing Guide)



Front Side (Bag Basics)

Sales Tool #2 – Site Survey

Most end-users buy trash bags based on what they have bought in the past, not necessarily based on their true trash disposal needs. There is money to be saved when you are able to offer the right bag for the right application! Use the Heritage Site Survey Tool to identify down-gauging and down-sizing opportunities.

Customer Name
Survey Date
Property Manager
Property Location
Other Information

HERITAGE
Your can liner experts.

Include Detailed Info on Containers Location, Container Manufacturer and part number, &/or length, width, height for rectangular containers; diameter and height for circular.	Current Product Code	Current Liner Size	Current Liner Gauge	Current Liner Case Pack	Proposed Product Code	Proposed Liner Size	Proposed Liner Gauge	Proposed Liner Case Pack

Current Total Monthly Usage

Current Product Code	Monthly Cases Used	x Case Cost	= Monthly Spend
Total			

Proposed Product Code	Monthly Cases Used *	x Case Cost	= Monthly Spend
Total			

* **Note: Remember to convert monthly case purchases if there is a difference in the case count of the proposed product.**

Site Survey Form

Sales Tool #3 – Competitive Evaluation Kit

Don't sell bags against what's on the competitor's label, sell against what's actually in the box (the true performance specifications of the bag) by utilizing the Heritage Competitive Evaluation Kit. Heritage Bag's Laboratories are ready to thoroughly test any competitor's samples. The results can be amazing, and the savings potential can be substantial.

Can Liner Evaluation Kit

HERITAGE Professional Lab

Let Us Show You How to Save Money on Your Can Liners!

Thickness doesn't matter; strength matters.

Although trash bags may look and sometimes feel alike, they don't act alike. Thickness doesn't mean anything anymore! There are new resin additives and processes that effect trash bag strength more than anything! Heritage liners combine the highest quality resins and additives with state of the art equipment to make the strongest trash bags available. But don't take our word for it! If you would like an "apples-to-apples" comparison of your current bag, just fill out this form and send us 2 samples. We will have it lab tested for important trash carrying qualities like puncture resistance, tear resistance, and lifting strength. We can then recommend a Heritage bag that will perform better than your current product. So put your can liners to the test. This is an opportunity to gain purchasing strength with your trash bag dollars.

Instructions (3 Easy steps)

(1) Complete end user information. (2) Complete Heritage Rep. and distributor information. (3) Send *two bags* for each product to be tested. Be sure to stick the "A, B, C or D" labels (provided) on each bag to identify the bag with the box (label information) it was pulled from. (See "Sample Specifications" below.)

Evaluation Form

1 End User Information

Company _____

City and State _____

Contact Name _____

Type of Trash _____

2 Heritage Rep. Name _____

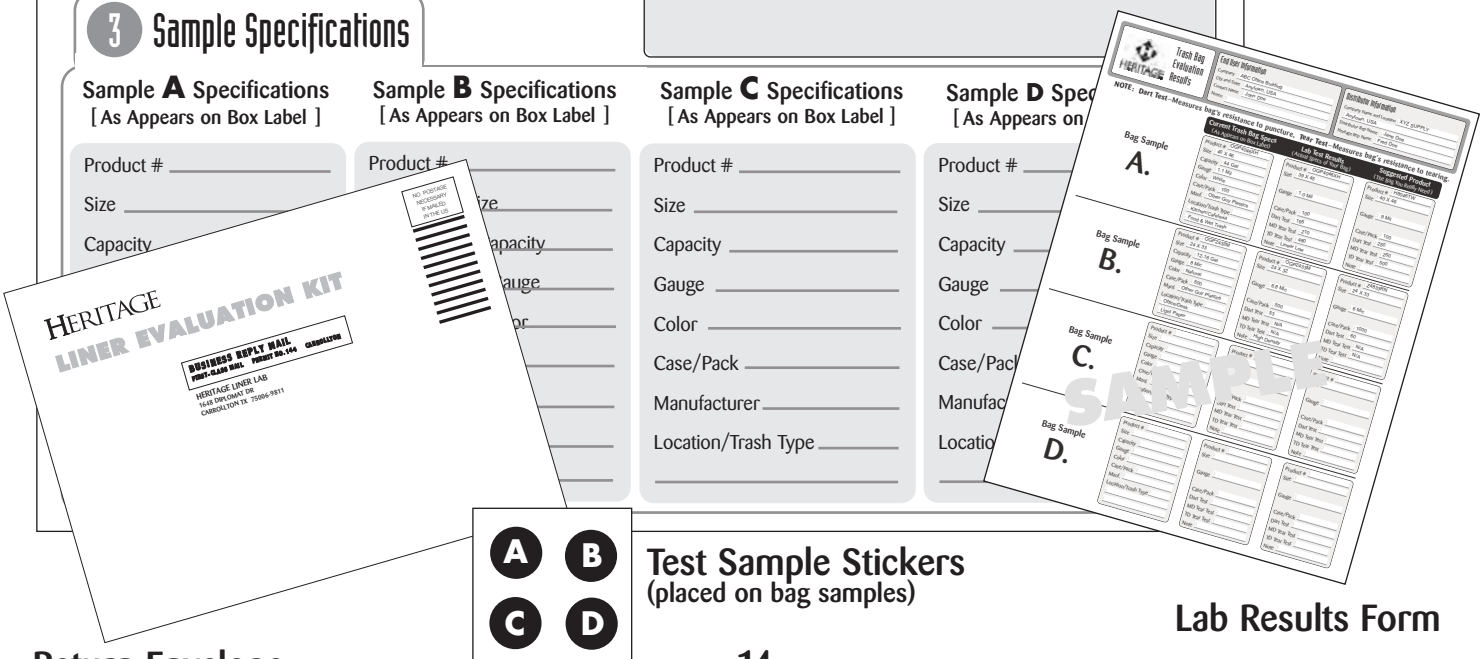
Distributor Information (fill in or staple bus. card here)

Distribution Company Name and Location _____

Distributor Rep Name _____

3 Sample Specifications

Sample **A** Specifications [As Appears on Box Label]	Sample **B** Specifications [As Appears on Box Label]	Sample **C** Specifications [As Appears on Box Label]	Sample **D** Spec [As Appears on
Product #	Product #	Product #	Product #
Size	Size	Size	Size
Capacity	Capacity	Capacity	Capacity
	Gauge	Gauge	Gauge
	Color	Color	Color
	Case/Pack	Case/Pack	Case/Pack
	Manufacturer	Manufacturer	Manufac
	Location/Trash Type	Location/Trash Type	Locatio

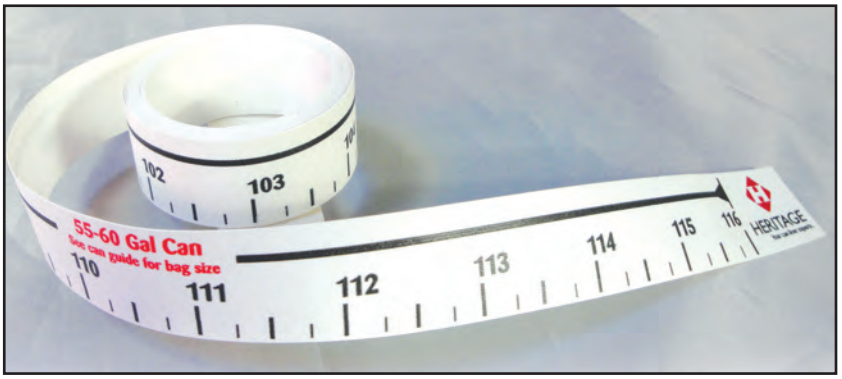


Return Envelope

Test Sample Stickers (placed on bag samples)

Lab Results Form

Identifying Common Can Sizes



The Sizing Tape Measure is an excellent tool used to identify the gallon size of all cans in the industry.

INSTRUCTIONS:

1. Starting at the beginning of the tape, wrap the tape measure around the top of the waste receptacle just below the lip of the receptacle.

2. Extend the rest of the tape measure straight down the side of the receptacle.

3. The bottom of the receptacle will fall within markers on the tape measure that specify the size of the receptacle.

4. Use your QuickPick brochure to select the liner size accordingly!

Sales Support

Consistent manufacturing and customer service levels throughout the country

Custom advertising through print ads and the internet

Customized POS material for specialty products

Direct sales force to help you every step of the way

Multi media training tools and web support for your sales force

Ask your sales representative for more information on our specialty products including:

✔ Healthcare Bags

- Red, Yellow, and Blue Liners
- Specimen Transport Bags
- Chemotherapy Bags
- Autoclave Bags
- Trash Can Liners

✔ Earth Friendly Bags

- BioTuf Compostable Trash Bags
- AccuFit Sizing Bags (Competes with repro)

✔ Convenient Closure Bags

- Tie-Tie
- Blue Collar

✔ Food Bags

- Reclosable Food Bags
- Storage Bags

• Linear Low Density Case Weight Formula

Length x Width x Gauge (in mils) ÷ 15 ÷ 1000 x bags per case = net lbs. per case (approximate)

• High Density Case Weight Formula

Length x Width x Gauge (in microns) ÷ 14.5 ÷ 25.4 ÷ 1000 x bags per case = net lbs. per case (approximate)

• Microns to Mils Formula

Divide the microns by 25.4 to arrive at mil thickness.

Example:

10 Microns ÷ 25.4 = .39 Mil

24 Microns ÷ 25.4 = .94 Mil

• Mils to Microns Formula

Multiply the mils by 25.4 to arrive at mic thickness. (1 Mil = 25.4 Microns)

Example:

.30 Mil x 25.4 = 7.6 Microns

.65 Mil x 25.4 = 16.5 Microns

Converted Microns to Mils

Mic	Mil	Mic	Mil
6	= 0.23	16	= 0.62
7	= 0.27	17	= 0.66
8	= 0.31	18	= 0.70
9	= 0.35	19	= 0.74
10	= 0.39	20	= 0.78
11	= 0.43	21	= 0.82
12	= 0.47	22	= 0.86
13	= 0.51	23	= 0.90
14	= 0.55	24	= 0.94
15	= 0.59	25	= 0.98

Source Reduction Engineering– At the heart of all our products

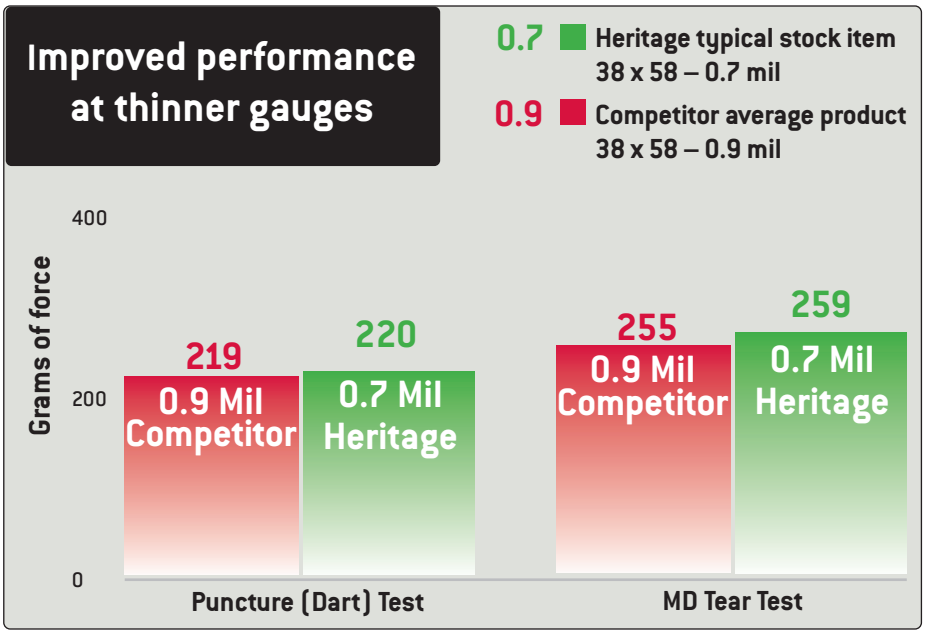
Did you know?

Source reduction is the EPA's preferred method of waste management.

Meeting present needs without compromising the earth's future.

Source Reduction through Technology

Advanced Polymer Blends!



- Improved performance at thinner gauges
- High quality prime resin
- Star-Seal – the strongest seal available

Savings Why buy more plastic than you need? Better performance at thinner gauges means purchasing less plastic for the same job.

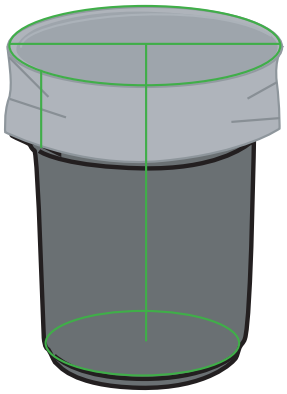
Source reduction facts

- **Less plastic is needed for the same job**
- **Reduces greenhouse gas emissions**
- **Double bagging not required**

Source Reduction through Research

The "Right-Size" Product Line

Right-Size
Product Line



Don't buy more bag than you need!

1. We identified the most common cans in the market place.
2. Each bag was hand-tested for the right size with proper overhang.
3. A "Right-Size" product line was designed that eliminates guess work, and saves you money

- Ensures the correct match between liner and can
- No more guess work – the Right-Size product line
- Prevents the bag from falling into can

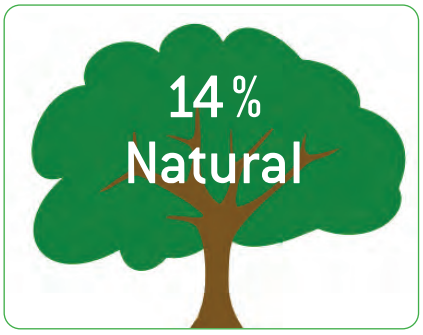
Savings Eliminates the purchasing of oversized bags, and promotes product consolidation and SKU reduction.

Source reduction facts

- **Reduces plastic going into landfills**
- **Ensures plastic is not wasted due to over-sizing**
- **Improves supply chain efficiencies – packaging and transportation, etc.**

Source Reduction through Minerals

Mineral Strength



Up to 14% Natural Materials

Non-Petrochemical Reinforcement Additive

- A natural mineral reinforcement additive
- Greatly enhances the durability of the bag
- Non-petrochemical, abundant and all-natural

Savings With enhanced durability and dependability, product failures become nearly obsolete, creating better workplace efficiencies.

Source reduction facts

- **Reduces energy used to produce bag**
- **Uses an abundant all-natural mineral**
- **Reduces the reliance on petrochemical materials**

Specialty Environmental Can Liners

Compostable Can Liners

Specialty Environmental Can Liners

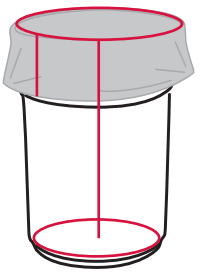
Source Reduction Through AccuFit Sizing

AccuFit® Can Liners
SIZING

AccuFit Liners

Reduce energy used to produce bag
Reduce plastic needed for the same job
Reduce petroleum-based raw materials
Reduce cost per bag
40% less plastic into landfills

AccuFit® SIZING



Tested & Designed For
- Snug Fit
- Proper Overhang
- Correct Length

Source Reduction Solutions
The Preferred Method of Waste Management
HERITAGE BAG COMPANY

Terms

Can Liner Term used for garbage, trash or waste bags. Used in industrial, institutional and medical applications.

Colors Can liners come in standard colors: clear, black, white, gray, red, blue and yellow. (Other colors available.)

Food and Utility Bags Small clear bags designed to hold a variety of small objects (e.g., bread, poultry, vegetables, etc.)

Film Strength Refers to the physical strength of the can liner. Some resins have a higher film strength than others. Our can liners are made from highest quality resins, giving them the highest quality film in the market place.

Dart Drop Test ASTM test used to determine the resistance of a bag to local failure or puncturing of the film.

Elmendorf Tear Test ASTM test used to measure the resistance to tearing.

Wet Load Capacity Measurement of how much wet weight a can liner will hold.

Dry Load Capacity Measurement of how much dry weight a can liner will hold.

Gauge Term used to describe thickness. LDPE and LLDPE can liners are measured by mil thickness and HMW-HDPE can liners are measured by micron thickness.

Mil (One thousandths of an inch) Term used in the measurement of LDPE and LLDPE can liners. One mil is .001". Can liners range between .35 to 4.0 mil.

Micron Term used in the measurement of HMW-HD can liners. 25.4 microns equals .001". 1,000 microns (M) = 1mm. HMW-HDPE can liners are 6 to 24 microns.

Resin Short term for Polyethylene resin. The three types of PE resin are LDPE, LLDPE and HMW-HDPE (see below). Other plastic resins include vinyl, polypropylene, styrene and nylon.

LDPE (Low Density Polyethylene) This resin was used with older can liner technology. Resin has good clarity but weak film strength. Today it is used primarily for Food and Utility Bags that don't require heavy loads.

LLDPE (Linear Low Density Polyethylene) This is the primary type of resin used in modern can liner manufacturing technology. Bags made from LLDPE film provide excellent combination of film strength, puncture resistance and tear resistance.

HMW-HDPE (High Molecular Weight–High Density Polyethylene) Bags made from HMW-HDPE resin provide excellent film strength and puncture resistance, but less tear resistance than LLDPE.

HAO (Higher Alpha Olefin resin) A high-grade hexene-or-octene-based resin used in all our LLD liners. The properties of this resin allow for a higher-quality can liner.

Butene One of three types of LLDPE resin. Butene has weaker film-strength properties than hexene or octene.

Hexene One of three types of LLDPE resin. We use Higher Alpha Olefin (High Grade Hexene) in the manufacturing of can liners. Properties include high film strength and increased tear resistance.

Octene One of three types of LLDPE resin. We use Higher Alpha Olefin (High Grade Octene) in the manufacturing of can liners. Used in other applications because of its excellent physical properties.

Prime Resin Refers to the usage of high-quality, "fresh from the reactor," resin. We use only prime resins in all of the products we produce, unless specified otherwise.

Blended Resin Refers to the combination of two or more types of resin.

Regrind Resin (Repro) Refers to resin that has been used at least once before. Can be post-industrial (scrap) or post-consumer (recycling). Strength properties of resin is decreased each time it is reused.

Seal Term used to describe bottom of a can liner. The three types of seals are flat, gusseted and star. (See Bottom Seal section.)

Flat Seal Straight seal along bottom of a can liner (looks like a pillow case). Though Flat Seals are strong, they may have a tendency to leak wet trash from the corners.

Gusset Seals A flat-style bag manufactured with both sides tucked in to form gussets. Has a tendency to leak wet trash from the center at gusset points where four layers of film meet two.

Star Seal Designed without gussets, the Star Seal eliminates gaps along the seal where leaks can occur. The bottom of the bag is folded over several times and sealed. Trash rests on the material instead of the seals. This leak-resistant seal holds wet trash better than the other two types of seals.

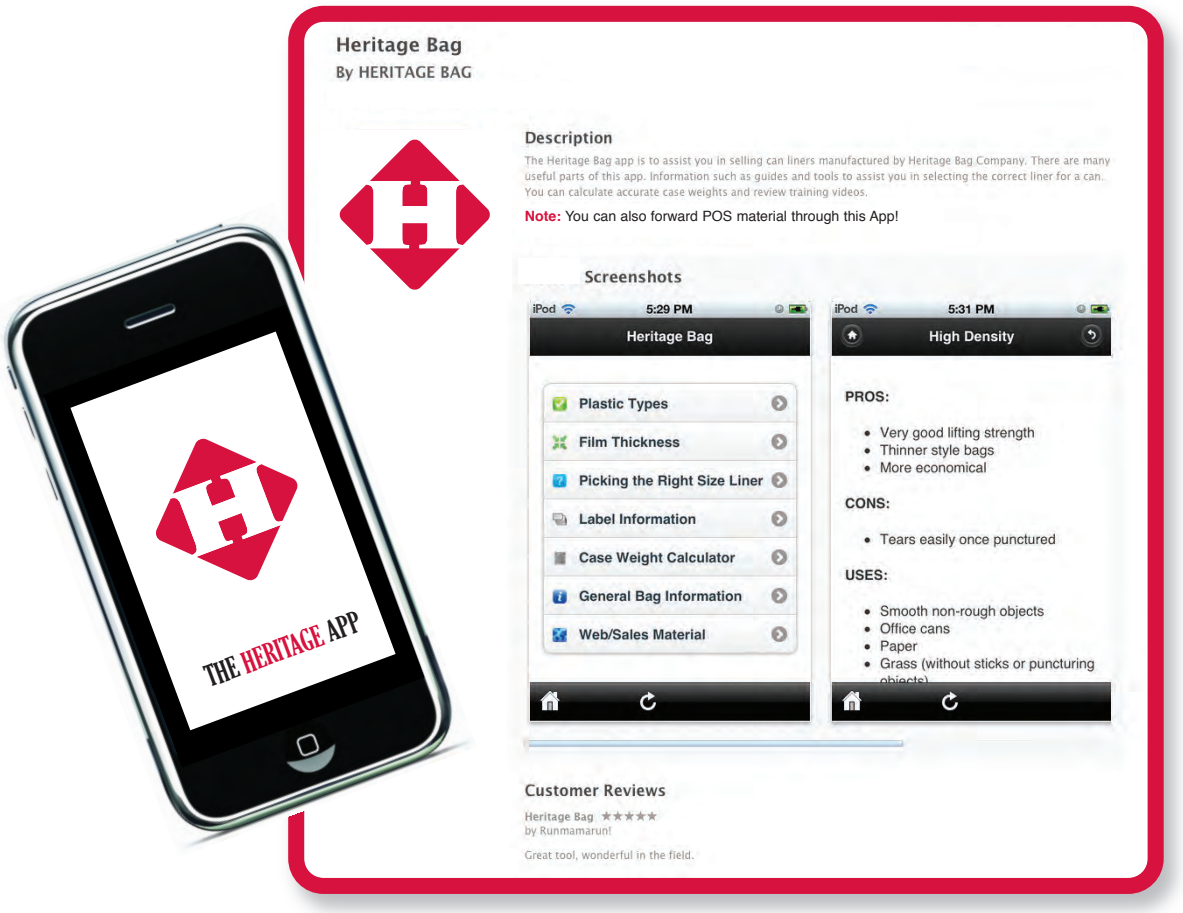
Individually Folded Can liners are separately folded, then stacked on top of one another. This allows the end-user to pull liners out of the box with much more ease vs. bulk-folded bags.

Cored Rolls Can liners are rolled together on cardboard cylinders (looks similar to a roll of paper towels). Can liners come inside a special box that dispenses with ease.

Coreless Rolls Can liners are rolled in groups of 25 or 50 per roll. There are 4 to 10 rolls per case. Rolls are perforated or interleaved.

THE HERITAGE APP

Everything at your fingertips!



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