

Choose Plastic Type and Gauge

Linear Low Density Bag (LLD)

Recommended for rough objects under tough transport conditions.

Example: These liners are very strong and are more resistant to tearing, but handle lower load capacities than Hi-D liners.

Suggested LLD applications:

- Sticks & rough yard trimmings
- Metal w/ sharp edges
- Nails & Bolts
- Objects w/ rough corners or protrusions
- Small rocks
- Plastic eating utensils
- Abusive transport conditions
- Food w/ rough edges (ex: crab legs)
- Glass bottles

Approximate Gauge (thickness)

- **Light**
.30-.49 Mil
- **Medium**
.50-.60 Mil
- **Heavy**
.61-.74 Mil
- **Extra Heavy**
.75-.80 Mil
- **Super Tuf**
.81-1.0 Mil
- **Super Heavy**
1.1-1.2 Mil
- **XXH**
1.3-1.9 Mil
- **XXXH**
2.0-3.0 Mil

High Density Bag (Hi-D)

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

Example: These liners are very strong and handle higher load capacities than LLD liners, but are less resistant to tears once punctured

Suggested Hi-D applications:

- Cans w/out rough edges
- Paper
- Paper plates/cups
- Food
- Dirt
- Grass
- Rags/Cloth items
- Smooth heavy object
- Great for office waste baskets

Approximate Gauge (thickness)

- **Light**
6 - 9 Mic
- **Medium**
10 - 12 Mic
- **Heavy**
13 - 14 Mic
- **Extra Heavy**
15 - 17 Mic

Approximate Gauge Equivalents

Linear Low Density		High Density	
Refuse Weight	.30-.35 Mil	Refuse	6 Mic
Light Weight	.36-.49 Mil	Light	7-9 Mic
Medium Weight	.50-.60 Mil	Medium	10-12 Mic
Heavy Weight	.61-.74 Mil	Heavy	13-14 Mic
Extra Heavy	.75-.80 Mil	Extra Heavy	15-17 Mic
Super Tuf	.81-1.0 Mil	XXH	18-24 Mic
Super Heavy	1.1-1.2 Mil		
XXH	1.3-1.9 Mil		
XXXH	2.0-3.0 Mil		

Bag Basics

Bottom Seals

Star Seal



The star seal is the most common type of seal in the market. Designed without gussets, the star seal eliminates gaps along the seal where leaks can occur. This allows the bag to more easily conform to the shape of the container and distributes weight evenly inside the bag. Star seal liners maximize the bag's carrying capacity and virtually eliminate leaks. Star seal liners are designated by two dimensions, e.g., 40 x 46.

Gusset



A flat style bag manufactured with both sides tucked in to form gussets. Where indented, the bag is sealed through four layers of film while in the middle of the bag has only two. Gusseted seal liners are designated by three dimensions, e.g., 23 x 17 x 46.

Flat



A flat seal is a two-dimensional bag with a bottom seal, much like a pillow case. Flat seals are generally leakproof but are clumsy to handle. Also, they do not conform well to the shape of most trash receptacles. Flat seal liners are designated by two dimensions, e.g., 40 x 46.

Formulas

Case Weight Formula

Linear Low Density

$\text{Length} \times \text{Width} \times \text{Gauge (in mils)} \div 15 \div 1000 \times \text{bags per case} = \text{net lbs. per case}$

High Density

$\text{Length} \times \text{Width} \times \text{Gauge (in microns)} \div 14.5 \div 25.4 \div 1000 \times \text{bags per case} = \text{net lbs. per case}$

Microns to Mils Formula

Divide the microns by 25.4 to arrive at mil thickness.

Example

10 Microns $\div 25.4 = .39$ Mil

24 Microns $\div 25.4 = .94$ Mil

Mils to Microns Formula

Multiply the mils by 25.4 to arrive at mil thickness.

Example

1 Mil = 25.4 Microns

.30 Mil $\times 25.4 = 7.6$ Microns

.65 Mil $\times 25.4 = 16.5$ Microns

Converted Microns to Mils

6 = 0.23

7 = 0.27

8 = 0.31

9 = 0.35

10 = 0.39

11 = 0.43

12 = 0.47

13 = 0.51

14 = 0.55

15 = 0.59

16 = 0.62

17 = 0.66

18 = 0.70

19 = 0.74

20 = 0.78

21 = 0.82

22 = 0.86

23 = 0.90

24 = 0.94

25 = 0.98

Aspen/Landmark™ Ash-Trash Round Hole

2.5 Gallon Inner Rigid Liner

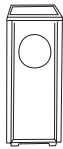
10.25Sq. x 16 H

Suggested Bag Size

LLD 24x23

HD 24x24

Office (1,2) MCF 18.50»23.25



Profile Series™

15 Gallon

19.5 L x 11.875 W x 32.625 H

Suggested Bag Size

LLD 33x39 or 30x45

HD 33x40

Office (13) MCF 15.70»24.00



Ash-Trash

15 Gallon Without Rigid Liner

15.5 Dia. x 27.25 H

Suggested Bag Size

LLD 30x36 or 26x42

HD 30x37

Office (14) MCF 24.34»39.00



Steel Combo/Ash-Trash Funnel Top

3 Gallon Inner Rigid Liner

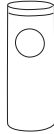
10 Dia. x 15 H

Suggested Bag Size

LLD 24x23

HD 24x24

Office (3,4) MCF 15.70»24.00



Untouchable® Half Round

21 Gallon

21 L x 11 W x 28 H

Suggested Bag Size

LLD 30x43, 26x46 or 33x39

HD 30x43 or 33x40

Office (19) MCF 30.00»39.85



Untouchable® Round Base

22 Gallon

15.75 Dia. x 30.175 H

Suggested Bag Size

LLD 30x43, 26x42 or 33x39

HD 30x43 or 33x40

Office (21) MCF 24.73»42.05



Rectangle Wastebasket

3.5 Gallon

11.375 L x 8.25 W x 12.125 H

Suggested Bag Size

LLD 20x21

HD 20x22

Office (5) MCF 17.63»19.15



7 Gallon

14.375 L x 10.25 W x 15 H

Suggested Bag Size

LLD 24x23

HD 24x24

Office (7) MCF 22.63»23.83

10 Gallon

15.25 L x 11 W x 19.875 H

Suggested Bag Size

LLD 24x32

HD 24x33, 24x27

Office (8) MCF 24.25»29.28

Slim Jim®

23 Gallon

20 L x 11 W x 30 H

Suggested Bag Size

LLD 30x43 or 33x39

HD 30x43 or 33x40

Office (23) MCF 29.00»41.41



Wastemaster™

24 Gallon Without Rigid Liner

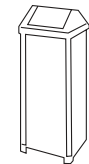
14 Sq. x 35.5 H

Suggested Bag Size

LLD 40x46 or 37x44

HD 37x46 or 40x48

Office (24) MCF 26.00»45.40



Round Wastebasket

6.5 Gallon

13.5 Dia. x 14.5 H

Suggested Bag Size

LLD 24x23 or 24x32

HD 24x24 or 24x27

Office Only (6) MCF 21.20»25.25



10 Gallon

15.75 Dia. x 18 H

Suggested Bag Size

LLD 24x32

HD 24x33

Office (10) MCF 24.73»29.88

Marshall® /Roun' Top

15 Gallon Inner Rigid Liner

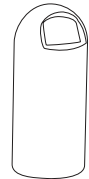
15.375 Dia. x 27.25 H

Suggested Bag Size

LLD 30x36 or 26x42

HD 30x37

Office (15,16) MCF 24.14»38.94



21 Gallon Inner Rigid Liner

14.5 Dia. x 30 H

Suggested Bag Size

LLD 30x43 or 33x39

HD 30x43 or 33x40

Office (20) MCF 22.7»41.25

25 Gallon Without Rigid Liner

16.25 Dia. x 30.5 H

Suggested Bag Size

LLD 40x46 or 37x44

HD 37x46 or 40x48

Office (25) MCF 25.51»42.63

Untouchable® Square

19 Gallon

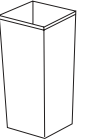
14.5 Sq. x 24 H

Suggested Bag Size

LLD 30x36

HD 30x37

Office (17) MCF 27.00»34.25



23 Gallon

14.5 Sq. x 28 H

Suggested Bag Size

LLD 33x39 or 30x43

HD 30x40 or 30x43

Office (22) MCF 27.00»38.25

35 Gallon

19.5 Sq. x 27.625 H

Suggested Bag Size

LLD 40x46 or 37x44

HD 40x48 or 37x46

Office (34) MCF 37.00»41.41

Aspen

12 Gallon Inner Rigid Liner

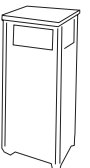
13.75 Sq. x 27.375 H

Suggested Bag Size

LLD 33x39 or 26x42

HD 33x40

Office (11) MCF 25.50»37.10



35 Gallon Inner Rigid Liner

19.5 Sq. x 28 H

Suggested Bag Size

LLD 40x48

HD 37x46

Office (38) MCF 37.00»41.79

Liner Cart

30 Gallon

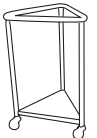
18 L x 8 W x 37 H

Suggested Bag Size

LLD 30x43 or 33x39

HD 30x43 or 33x40

Office (29)



38 Gallon

18 L x 12 W x 40 H

Suggested Bag Size

LLD 30x43 or 33x39

HD 30x43 or 33x40

Office (39)

Janitorial Cart

25 Gallon

17.25 L x 10.5 W x 30.5 H

Suggested Bag Size

LLD 33x39, or 26x42

HD 33x40, 26x42, or 30x43

Office (27) MCF 25.75»40.60



Ranger®

35 Gallon Inner Rigid Liner

16.625 Sq. x 28.5 H

Suggested Bag Size

LLD 33x39

HD 33x40

Office (35) MCF 31.25»40.26



45 Gallon Inner Rigid Liner

18.25 Sq. x 29.125 H

Suggested Bag Size

LLD 40x46 or 37x44

HD 40x48 or 37x46

Office (43) MCF 34.50»42.03

Landmark Series™

35 Gallon Inner Rigid Liner

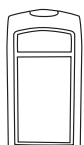
19.5 Sq. x 28.5 H

Suggested Bag Size

LLD 44x55

HD 37x46

Office (37) MCF 37.00»41.79



45 Gallon Inner Rigid Liner

19.5 Sq. x 34.25 H

Suggested Bag Size

LLD 40x46

HD 40x48 or 37x46

Office (44) MCF 37.00»48.04

Square Brute® Square Huskee

28 Gallon

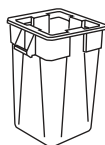
21.5 Sq. x 22.5 H

Suggested Bag Size

LLD 43x47

HD 43x48

Office (28) MCF 41.00»37.70



32 Gallon

21.5 Sq. x 22.5 H

Suggested Bag Size

LLD 43x47

HD 43x48

Office (33) MCF 41.00»37.70

40 Gallon

23.5 Sq. x 28.75 H

Suggested Bag Size

LLD 40x46 or 43x48

HD 40x48 or 43x48

Office (41) MCF 45.00»45.37

48 Gallon

23.5 Sq. x 28.75 H

Suggested Bag Size

LLD 46x50

HD 46x50

Office (46) MCF 45.00»45.37

X-Frame

26 L x 25.5 W x 36 H

Suggested Bag Size

LLD 50x48

HD 52x48

Office (56) MCF 49.50»54.21



Round Brute®

10 Gallon

15.625 Dia. x 17.125 H

Suggested Bag Size

LLD 24x32

HD 24x33 or 24x27

Office (9) MCF 24.53»28.94



20 Gallon

19.5 Dia. x 22.875 H

Suggested Bag Size

LLD 30x43 or 30x36

HD 30x37

Office (18) MCF 30.62»36.63

32 Gallon

22 Dia. x 27.25 H

Suggested Bag Size

LLD 33x45, 37x44 or 40x46

HD 37x46 or 40x48

Office (31) MCF 34.54»42.25

44 Gallon

24 Dia. x 31.5 H

Suggested Bag Size

LLD 37x50 or 40x46

HD 40x48 or 37x46

Office (42) MCF 37.68»47.50

55 Gallon

26.5 Dia. x 33 H

Suggested Bag Size

LLD 43x47 or 44x55

HD 43x48

Office (55) MCF 41.61»50.25

Drum

55 Gallon

24 Dia. x 34 H

Suggested Bag Size

LLD 38x58

HD 38x60

Office (52) MCF 37.68»50.00



Galvanized

31 Gallon

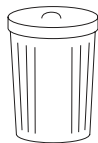
24 Dia. x 27 H

Suggested Bag Size

LLD 33x39

HD 33x40

Office (30) MCF 32.97»41.50



Glutton®

56 Gallon Without Rigid Liner

25.5 L x 22.75 W x 31.125 H

Suggested Bag Size

LLD 43x47

HD 43x48

Office (53) MCF 46.25»48.21



King Kan

35 Gallon

20 Sq. x 39.5 H

Suggested Bag Size

LLD 44x55

HD 38x60

Office (36) MCF 38.00»53.64



50 Gallon Inner Rigid Liner

22 Sq. x 24.5 H

Suggested Bag Size

LLD 43x47 or 44x55

HD 43x48

Office (50) MCF 42.00»40.06

65 Gallon Inner Rigid Liner

22 Sq. x 24.5 H

Suggested Bag Size

LLD 43x47

HD 43x48

Office (55) MCF 42.00»40.06

Big Wheel®

50 Gallon

22.65 L x 26.75 W x 38.75 H

Suggested Bag Size

LLD Custom Liner

HD Custom Liner

Office (47) MCF 43.38»54.79



Tilt 'N Wheel

50 Gallon

27.25 L x 23 W x 41 H

Suggested Bag Size

LLD Custom Liner

HD Custom Liner

Office (49) MCF 48.25»58.83

