



The Global Language of Business

GS1 US Color and Size Codes Guidelines

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About GS1

GS1® is a neutral, not-for-profit, global organization that develops and maintains the most widely-used supply chain standards system in the world. GS1 Standards improve the efficiency, safety, and visibility of supply chains across multiple sectors. With local Member Organizations in over 110 countries, GS1 engages with communities of trading partners, industry organizations, governments, and technology providers to understand and respond to their business needs through the adoption and implementation of global standards. GS1 is driven by over a million user companies, which execute more than six billion transactions daily in 150 countries using GS1 Standards.

About GS1 US

GS1 US®, a member of GS1 global, is a not-for-profit information standards organization that facilitates industry collaboration to help improve supply chain visibility and efficiency through the use of GS1 Standards, the most widely-used supply chain standards system in the world. Nearly 300,000 businesses in 25 industries rely on GS1 US for trading-partner collaboration that optimizes their supply chains, drives cost performance and revenue growth while also enabling regulatory compliance. They achieve these benefits through solutions based on GS1 global unique numbering and identification systems, barcodes, Electronic Product Code (EPC®)-based RFID, data synchronization, and electronic information exchange. GS1 US also manages the United Nations Standard Products and Services Code® (UNSPSC®).

GS1 Healthcare US® is an industry group that focuses on driving the adoption and implementation of GS1 Standards in the healthcare industry in the United States to help improve patient safety and supply chain efficiency. GS1 Healthcare US brings together members from all segments of the healthcare industry to address the supply chain issues that most impact healthcare in the United States. Facilitated by GS1 US, GS1 Healthcare US is one of over 30 local GS1 Healthcare user groups around the world that supports the adoption and implementation of global standards developed by GS1.

1 General Background Information

1.1 What are the GS1 US Color and Size Codes?

In 2020, GS1 US acquired the National Retail Federation (NRF) Color and Size Code tables. The Color and Size Code system was designed in the early 1960s to support the purchasing process widely used by major U.S. retailers. With the strong endorsement from manufacturing and retailing communities to utilize Electronic Data Interchange (EDI), the GS1 U.P.C. Symbology emerged as the preferred item identification method for the apparel and general merchandise communities.

The GS1 US Color and Size Codes (previously managed by NRF) give retailers, vendors, and manufacturers a common language for product color and size identification that supplement the master data conveyed by sharing U.P.C.s.

For products which have a color and/or size, a GS1 US Color Code and/or a GS1 US Size Code are required Minimum Data Elements for implementation of the X12 EDI Price Sales Catalog Transaction Set (832). See the [GS1 US website](#) to learn more about EDI.

1.2 What are the benefits of using the GS1 US Color and Size Codes?

In addition to cost savings related to improved inventory management, fewer errors due to manual entry and reduced time for new item set up and maintenance, use of the Color and Size codes allows retailers and their vendor partners to do automated analysis for sales trends by sizes and colors, and helps guide merchandise assortment planning.

This helps ensure that the right merchandise is in the right place at the right time, benefiting not just retailers and vendors, but consumers, too.

Using the GS1 US Color and Size Codes benefit the consumer, retailer, and vendor as follows.

Consumer

- Availability of the right merchandise in the right colors and sizes
- Improved customer service

Retailer

- Increased accuracy of point-of sale data capture
- Fewer stock counts
- Increased sales
- Higher inventory turnover
- Better identification of markdown candidates
- Increased accurate item level inventories
- Increased accurate input to automated replenishment systems
- Reduced marking costs and reduced distribution center space requirements
- Analysis of color family trends or inventory position



Vendor

- Availability of retail sell-through data at the product ID/color/size level
- Increased sales
- Increased inventory turn
- Improved information on markdown items
- Improved finished goods inventory and outgoing shipment accuracy
- Reduced chargebacks
- Reduced data entry costs

1.3 Are the GS1 US Color and Size Codes Part of the U.P.C.?

The GS1 US Color and Size Codes *are not* part of the UPC. In the United States, a U.P.C. is a 12-digit code that includes the GS1 Company Prefix, a product sequence number assigned by the manufacturer, and a final check digit.

To get started with barcoding and to request a GS1 Company Prefix, see the [GS1 US website](#). For more information on assigning U.P.C.s, please visit [10 steps to barcode your product](#) (GS1).

1.4 How can my company access the GS1 US Color and Size Codes?

The GS1 US Color and Size codes are only available electronically, either from our partners [OpenText](#), [InterTrade](#), or [SPS Commerce](#), or by purchasing them through a one-time downloadable format from the GS1 US Store.

1.5 Do I have to be a Member of GS1 US to obtain the Codes?

GS1 US membership is not required to obtain the GS1 US Color and Size Codes. The codes may be obtained from our Partners, or they may be purchased through the [GS1 US website](#) in Excel format.

1.6 What if I cannot find the Code I need?

Select a code that best describes your item from the tables. New color codes cannot be requested, but if you are looking for a size code and can't find one that describes your item, please submit a request for a new size code through the one of the named solution partners tools through which you are accessing the codes.

1.7 What if I am having problems locating codes?

Please contact your provider directly.

If you are accessing the codes through [OpenText Global Product Catalogue](#), please call 1.800.334.2255 or email cataloguesupport@opentext.com.

If you are accessing the codes through [InterTrade ecCatalogue](#), please contact InterTrade support directly by calling 1.800.873.7803 option #3 or by sending an email to customerservice@intertrade.com.



[SPS Commerce](mailto:customersupport@spscommerce.com) clients should call 888.739.3232 or send an email to customersupport@spscommerce.com.

2 How do I select a color code?

2.1 Guidelines

Please read and observe the following guidelines when assigning GS1 US Color codes.

- GS1 US Color Codes are not tied to any commercial color-coding system. As a vendor, you select your own GS1 US Color codes.
- You can prepare your own color/shade-specific work sheets by printing pages and attaching color swatches appropriate to each U.P.C. Product ID/Style. An open block below each color code number is provided for affixing swatches.
- Base your Color code selection on the **dominant background**. As a vendor, you determine the dominant background.
- **Be consistent** when assigning color codes to an individual Product ID (Style/Model number). Vendors should include the selected color in the product master data feed to their trading partners. Retailers then extract this information for their merchandise database and display it in reports that merchandising personnel use for inventory decisions.
- Remember to represent the Product ID consistently across all media — including tickets, U.P.C. catalogues, glossy catalogues, line/price listing; etc. — to assist retailers in locating the U.P.C. codes needed for their systems. Consistency in designating color for general merchandise facilitates information exchange between retailers and their resources — for example, color analysis and market preference profiles.
- Select a color code from the appropriate shade group to represent each of the color designations in the current product line.
- For example, the colors **coffee**, **chocolate**, and **carob** fall into the dark brown shade group, **201-209**. Each color should be assigned a unique code, such as **201 — coffee**, **202 — chocolate**, **203 — carob**.
- Assign each color variation within a particular Product ID a unique GS1 US color code.
- You can use the same GS1 US Color Code to represent an entirely different shade for another product with a **different product ID**.
- If the color descriptions **exceed** the capacity of a color sub-group — that is, more than 10 colors — you can assign the same color code to more than one of the colors within that sub-group.
- For example, a manufacturer with 11 colors falling into the dark brown subcategory **201-209** might assign the color code **201** to both **kola nut** and **chocolate**
- **Never** use the color descriptions with the same color code for the same Product ID

Correct	Incorrect
Product ID 145—kola nut (#201) Product ID 622—chocolate (#201)	Product ID 356—kola nut (#201) and chocolate (#201)

- If you cannot uniquely code colors within the appropriate color shade group, select codes from the overflow codes from the **240-249** (open range for brown codes) or **900-919** (overflow range for brown codes) series.
- If a color is discontinued, you can reassign that GS1 US Color Code to another shade within the **same product ID**. For example, if **kola nut** is discontinued, use its color code for a new color description that falls into the same shade group, such as **walnut**.
- Next, include the correct color description and its assigned code in the Vendor’s Catalogue.
- **New Color Codes will not be assigned.** Reassign and re-use color codes, according to these guidelines.
- Maintain a one-to-one relationship between the U.P.C. and product ID/color ID/size ID from the assignment date through the retention period.
- One single product ID should have a distribution of multiple U.P.C.s with different colors and sizes. That is, the preferred product identifier is void of any color and size implications. This enables a retailer to select one product ID and obtain all color and size U.P.C.s for that product.
- Vendors should **not** directly incorporate GS1 US Color and Size Code elements directly into the U.P.C. numbers they assign. GS1 US Color and Size Codes are only *indirectly* represented by that number.

Remember: The primary guideline is to select the color code based on the product’s dominant background color.

2.2 The Color Code Tables

There are 13 Color Code tables.

Table Color group	"Uncompared" Color code	Color Shade code range	Open code range	Overflow code range
Beige	250	251 - 279 (3 shades)	280 - 299	920 - 929
Black	000	001 - 019 (1 shade)		
Blue	400	401 - 459 (6 shades)	460 - 499	
Brown	200	201 - 239 (4 shades)	240 - 299	900 - 919
Green	300	301 - 339 (4 shades)	340 - 399	

Grey	020	021 - 059 (4 shades)	060 - 099	
Orange	800	801 - 899 (4 shades)		
Pink	650	651 - 689 (4 shades)	690 - 699	950 - 959
Purple	500	501 - 539 (4 shades)	540 - 599	
Red	600	601 - 639 (4 shades)	640 - 649	930 - 949
White	100	101 - 109 (1 shade)	110 - 199	
Yellow	700	701 - 749 (5 shades)	750 - 799	
Miscellaneous Assortment	N/A	N/A	960 - 998, 999	N/A

Colors are arranged in Color Groups

The Color groups are black, grey, white, brown, beige, green, blue, purple, red, pink, yellow, orange, miscellaneous (overflow codes).

Within a range, the colors range in intensity from darker to lighter

- **The lower the number, the darker the color.** For example, the blue group ranges from sub-groups Dark Blue (401-409) to Navy (410-419) to Medium Blue (420-429), etc., to the sub-group Light Pastel Blue (450-459).
- **Select the color code from the appropriate shade group within the color group to represent each of the color designations in a product line.** For example, the colors coffee, carob, and chocolate fall into the dark brown shade group, 201-209.
- **Assign each color variation within a particular Product ID (aka Style) a unique color code.** The first code in the color group is the “uncompared” color code designation. Use this code whenever color shades such as dark brown, rust/copper brown or light/pastel brown *are not* used for a vendor Style.
- You can use the same GS1 US Color Code to represent an entirely different shade for another product **with a different Style**.

A color is “Compared” or “Uncompared”

A color is *Uncompared* when a vendor offers only one shade of a color group for a specific Product ID/Style. If a vendor has multiple shades of a color group within one Product ID/Style (for example three kinds of dark brown), then the color is *Compared*. The lowest number in a color group is for the uncompared color. For example, the GS1 US Color Code for Uncompared Red is 600.

What do I do for multi-packs and assortments?

For assortments, such as three-packs of socks where the pairs are of different colors, use GS1 US Color Code 999, which is reserved for assortments.

So, what if I run out of colors?

No new color codes will be assigned. Please reassign and re-use color codes according to the color code considerations outlined in section 2.1. GS1 US recommends that you *not* assign GS1 US Color Codes in your internal systems.

2.3 Considerations for Assigning Color Codes

- The "**Uncompared**" color code is the code to assign whenever color shades — for example, dark blue, pastel blue — are **not** used for a Vendor Product ID (Style).
- The **Color Shade code range** are the codes for the various shades of that color.
- The **Open code range** are excess codes within the color group that you can use if your item does not match any of the color shades.
- The **Overflow code range** are codes you can use when you have used up all the color codes for that color group. Note that not all color groups have GS1 US-assigned overflow codes — for those colors, use the **Miscellaneous** color group codes.
- The **Miscellaneous color group** contains codes you can use when you have used up **both** color codes and overflow codes (if applicable) for that color group.
- Color code **999** is reserved for Assortments, such as a 3-pack of socks, described later in this *Guide*.

For one color remember that:

- The **first** number in the color group is the "Uncompared" color code designation.
- Use the first number in the color group whenever color shades — for example, dark blue, pastel blue — are **not** used for a Vendor Product ID.

Example

A vendor offers only one shade of green sweater for a particular Product ID. No shade comparison is involved.

Solution

The vendor selects the Color Code **300**, the code for "Uncompared" Green.

Green	Dark Green								
300	301	302	303	304	305	306	307	308	309
Use Code 300									

For different color shades

Guideline The lower the number, the deeper/darker the shade represented.

If a vendor offers a Product ID in more than one shade of a particular color, then select numbers for each different shade from the most appropriate shade range.

Example

A vendor offers a Product ID of men’s shorts in the following shades of Blue.

- Blue/Black
- Medium Navy
- Medium Blue
- Light Blue

Solution

Shade	Code	Reason(s)
Blue/Black	401	This code is the lowest number in the Dark Blue sub-group, and Blue/Black approaches the very darkest shade of blue possible.
Medium Dark Navy	414	This code is in the middle of the Navy shade group and allows future coding for other Navy shades — both darker and lighter — for this Product ID.
Medium Blue	424	This code is in the middle of the shade group and allows future coding for Medium Blue variations — both darker and lighter.
Light Blue	434	This code is in the middle of the shade group and allows future coding for Light Blue variations — both darker and lighter.

When all Shade codes are taken

When all the Shade codes for a color group are taken, use the Color-designated **open range**.

Example

A vendor offers a Product ID of men’s neckties in 12 shades of Dark Blue, but the Dark Blue shade group offers only 9 available code numbers (codes **401** to **409**).

Solution

To color code each of the Dark Blue shades, use additional code numbers from the Blue Group Open Ranges (**460** to **499**).

Blue	Dark Blue								
400	401	402	403	404	405	406	407	408	409
Use Codes 401 – 409 for the first 9 shades of dark blue									

Open									
460	461	462	463	464	465	466	467	468	469
Use Codes 460 – 462 for the next 3 shades of dark blue									

When all Shade codes and Open codes are taken

When all the Shade codes are used, or do not apply, and the Open codes for that color group are used, use the **Miscellaneous** color codes — **960-998**.

For solids and stripes

Use the dominant color-designated **open range**.

Example

A vendor offers a Product ID of plain, no-pattern men’s neckties in nine shades of Medium Red. Additionally, the same Product ID also offers two of these shades (coded **613** and **616**) in a stripe-patterned version. These stripe patterns need to be distinguishable for sales tracking.

Solution

For the nine solid-color shades, use the Medium Red Shade group code numbers **610** to **618**. For the two striped versions, use the additional codes from the Red Group Open Ranges **640** to **641**.

Medium Red									
610	611	612	613	614	615	616	617	618	619
Use Codes 610 – 618 for the nine shades of solid-color medium red									
Open									
640	641	642	643	644	645	646	647	648	649
Use Codes 640 – 641 for the stripe versions									

For plaids

Use the dominant color-designated **open range**.

For multi-colored designs

Use the dominant color-designated **open range**.

Example

A vendor offers 115 different multi-colored abstract designs on a white T-shirt. All the shirts have the same Product ID and differ only by the abstract design. Each design must be individually tracked.

Solution

Use all the white color codes, including the open ranges, (**100** to **199**) for the first 100 multi-colored abstract designs.

Then, use the **Miscellaneous** open range of codes for the last 15 abstract designs, as shown below.

Open									
960	961	962	963	964	965	966	967	968	969
Use Codes 960 – 969 for the next 10 abstract designs									

Open									
970	971	972	973	974	975	976	977	978	979
Use Codes 970 – 974 for the last 5 abstract designs									

When there is no dominant color

When there is no recognizable background or dominant color, use the **Miscellaneous open range — 960-998**.

For metallic colors and shades

Choose color codes for metallics, as follows.

Color	Code range
Copper	Brown group $\frac{3}{4}$ codes 220 - 229
Rust	Brown group $\frac{3}{4}$ codes 220 - 229
Gold	Yellow group $\frac{3}{4}$ codes 710 - 719
Silver	Grey group $\frac{3}{4}$ codes 040 - 049

3 How Do I Select a Size Code?

3.1 The GS1 US Size Codes Category Types:

- **Size Table 1** – Adult Male & Unisex Clothing and Furnishings
- **Size Table 2** – Boys & Unisex Student Clothing and Furnishings
- **Size Table 3** – Juniors, Misses, & Women’s Clothing and Furnishings
- **Size Table 4** – Infants, Toddlers, Girls and Children’s Clothing
- **Size Table 5** – Footwear
- **Size Table 6** – Linens, Domestics and Related Textiles
- **Size Table 7** – Home Furnishings, China Dinnerware and Accessories; Miscellaneous, Linear, Volume and Weight Measurements

Guidelines

Please **read and observe the following guidelines** when assigning GS1 US Size codes.

- Assign sizes based on common industry terminology.

- In the Size Code tables — for example,

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Filter Size Codes by column(s) for this subcategory.

Category: Boys' & Unisex Students' Clothing & Furnishings
Subcategory: Sizes Beginning With a Letter or Word

First Size	Second Size	Code
A		20500
A	Average or Medium or Regular	20502
A	Short or Small	20501
A	Tall or Long or Large	20503
A	XTall or XLong or XLarge	20504

- The **First Size** is located in the left column
- The **Second Size** is located in the middle column
- Numbered sizes are listed in numerical order. Word and letter sizes are listed in alphabetical order.
- The 5-digit Size **Code** is located in the last (right-most) column
- **Note:** Size codes are **not** always listed in numerical order
- **Be consistent.** Represent the Product ID consistently across all media — including tickets, U.P.C. catalogues, glossy catalogues, line/price listing; etc. — to assist the retailer in locating the U.P.C. codes needed for their system.
- Maintain a one-to-one relationship between the U.P.C. and product ID/color ID/size ID from the assignment date through the retention period.
- One single product ID should have a distribution of multiple U.P.C.s with different colors and sizes. That is, the preferred product identifier is void of any color and size implications. This enables a retailer to select one product ID and obtain all color and size U.P.C.s for that product.
- Vendors should **not** directly incorporate GS1 US Color and Size Code elements into the U.P.C. numbers they assign. GS1 US Color and Size Codes are only *indirectly* represented by the U.P.C.

3.2 GS1 US Size Code Basics

- **Sizes within a category may be used assigned to any item within that category.** For example, size Small may be used to describe a shirt, a bag, pants, belt, etc.
- **When selecting codes for bags,** such as gym bags, use the One Size Fits All code, or use the Small, Medium, or Large codes as appropriate.
- **Size names are generally spelled out:** Large instead of L, Medium instead of M, S for Small, XLarge for XL, etc.
- **Size codes are not customer facing.** Map your size to a size that closely describes your size. Many manufacturers and retailers have their own ways of naming their sizes, but the

point of this system is to have a common understanding of what these different sizes mean.

Size codes have fields for Primary and Secondary sizes.

- For apparel, the Primary Size refers to body size; the Secondary Size describes a Proportion, such as a waist or neck size, trouser rise, a cup size, or a general body proportion such as Petite. For example, to find the code for the men's size 42 Short: search on Primary Size 42, Secondary Size Short (10651). For the boy's size 14 (no Secondary Size), search for size 14, no secondary size (20140). For women's size 36C, search for Primary size 36, Secondary size C (30745), and so on.
- What about Shoes? For Shoes, the Primary Size refers to foot size; the Secondary Size describes the width which is generally spelled out. For example, 8W is Primary Size 8, Secondary Size Wide (50437). 8WW is Primary Size 8, Secondary Size Wide (50438).
- Use the Footwear table to select codes for all footwear (except socks) *regardless of gender*. There are subcategories for Brazilian, European, Mondopoint, UK and US sizes.
- Jewelry: For necklaces and bracelets, use the Linear Measurements table to assign codes; for rings, use the Jewelry table to assign a code according to ring size; for earrings, pins and other jewelry accessories, use the One Size Fits All code in the appropriate category (Menswear, Womenswear, etc.).
- Linens:
 - Window Treatments: The Primary Size describes the most significant style characteristic and the Secondary Size describes the length in inches. For example, under Valances and Window Accessories, the Primary Size may be Pouf or Ruffled or Tailored and the Secondary Size is the width in ranges of inches, such as 1-50, 51-100, 101-150, etc.
 - Bed Coverings: The Primary Size is typically a standard bed size such as Full, Queen, Crib, Bassinet or California King. In the case of Sheet, Quilt or Blanket sets, the Primary Size is the standard bed size, and the Secondary size describes the items in the set, for example: "Flat, Fitted, 2 Pillowcases, 2 Euro Shams."
- Sometimes, secondary sizes contain item descriptions. In the Linens and Domestic table, for example, a Queen pillowcase will be Primary size Queen, Secondary size Pillowcase (60685). A beach towel will be Primary size Towel, Secondary size Beach (60694).

Are size codes for socks in the Footwear tables?

Socks are considered to be apparel accessories, so men's socks are in the Menswear/Unisex Adult tables, boys' socks in the Boys/Unisex Youth Apparel tables, women's socks in the Womenswear category, etc.

What do the Linear Measurements Describe?

Use the linear measurements table for the following categories: Art, Bracelets, Boxes, Candles, Carpets, Clocks, Frames, Luggage, Mirrors, Necklaces, Rugs, Vases, and all other items with a linear measurement of Length and Width.

For linear measurements, the Primary Size equals Length, while the Secondary Size equals Width. The larger size is always listed first in codes for linear measurements. Linear sizes *do not* describe orientation (e.g. portrait vs. landscape). Other tables describing length and width, such as Table Linens or Bath Rugs, follow this same principle of organization.

What is the difference between Pre-Packs, Set-Packs and Multi- Packs?

- A **Pre-Pack**, case pack or standard assortment, is a collection of similar merchandise items that are sold and shipped together, for example, an assortment of men’s shirts that vary in color and size. Each item has its own U.P.C. for scanning at the point of sale and the Pre-Pack is not sold as a single item to a consumer.
- A **Set-Pack** is a group of items ordered and shipped together but can be sold either individually or as a set, for example a cookware set. Each item has its own U.P.C. and can be sold as an individual item or the consumer may purchase the entire set.
- A **Multi-Pack** is a group of items which are intended to be sold as a single consumer unit at the point-of-sale, such as a 3-Pack of men’s white t-shirts or a 12-piece set of glassware. A Multi-Pack is not intended to be broken apart and sold as individual items. Generally, Multi-Pack items are not assigned an individual U.P.C. code.

3.3 Examples from the Size Code Tables

Size Table Summary

Table	Category	Subcategories	Notes
1	Adult Male and Adult Unisex Clothing and Furnishings	<ul style="list-style-type: none"> ▪ Sizes Beginning with a Letter or Word ▪ Sizes Beginning with a Number 	10000 code series
2	Boys, Student, and non-Adult Unisex Clothing and Furnishings	<ul style="list-style-type: none"> ▪ Sizes Beginning with a Letter or Word ▪ Sizes Beginning with a Number 	20000 code series
3	Adult Female ^¾ Junior, Misses, Women’s ^¾ Clothing and Furnishings	<ul style="list-style-type: none"> ▪ Mastectomy Pads ▪ Sizes Beginning with a Letter or Word ▪ Sizes Beginning with a Number 	30000 code series
4	Unisex Infant, Unisex Toddler, and Girl’s Clothing and Furnishings	<ul style="list-style-type: none"> ▪ Sizes Beginning with a Letter or Word ▪ Sizes Beginning with a Number 	40000 code series
5	All Footwear products	<ul style="list-style-type: none"> ▪ European Footwear Sizes ▪ United States Footwear Sizes 	50000 code series
6	<i>Linens, Domestic and Related Textiles</i>		60000 code series
	Bath, Kitchen, Towels & Miscellaneous	<ul style="list-style-type: none"> ▪ Bed Pillows, Pillowcases & Shams ▪ Bed Sheets & Sheet Sets ▪ Bed, Bath, & Accessories ▪ Bed skirts & Canopies ▪ Blankets & Quilts ▪ Comforters & Feather Beds ▪ Pillows & Accessories 	

		<ul style="list-style-type: none"> ▪ Table Linens 	
	Furniture and Slipcovers		
	Mattresses, Box springs, & Beds		
	Window Treatments	<ul style="list-style-type: none"> ▪ Cascades, Festoons, Jabots & Swags ▪ Curtain Rods & Accessories ▪ Lined Curtains, Drapes, Panels, & Tiers ▪ Priscillas & Ruffled Applications ▪ Rod Sleeves, Shades, Side Cascades, Toppers ▪ Tiebacks ▪ Unlined Curtains, Drapes, Panels, & Tiers ▪ Valences & Window Accessories 	
7	<i>Home Furnishings, China, Dinnerware and Accessories, and Jewelry</i>	none	70000 code series
	China, Dinnerware, & Accessories	<ul style="list-style-type: none"> ▪ Bakeware Sets ▪ Dinnerware Sets ▪ Open Stock & Service Accessory Pieces 	Use for Art, Bracelets, Boxes, Candles, Carpets, Clicks, Frames, Jewelry Boxes, Luggage, Mirrors, Necklaces, Rugs, Vases, i.e., items measurable by a length and width in inches
	Drinkware	none	
	Flatware	<ul style="list-style-type: none"> ▪ Flatware Piece Sets ▪ Forks ▪ Knives ▪ Miscellaneous ▪ Servers ▪ Service Sets ▪ Spoons 	
	Jewelry	<ul style="list-style-type: none"> ▪ Ring Sizes 	
	Linear Measurements	None	
	Liter Measurements	none	U.S. Customary Units used
	Millimeter Measurements	none	
	Volume Measurements	none	
8	N/A	N/A	80000 code series reserved for future use
9	Pre-Pack and Set-Pack Assortments	none	90000 code series

Size Table 1 – Adult Male/Adult Unisex Clothing and Furnishings

Category and subcategories

Product Category:

Subcategory:

- <all subcategories>
- Sizes Beginning With a Letter or Word
- Sizes Beginning With a Number

Sample results table

Category: Adult Male & Adult Unisex Clothing & Furnishings		
Subcategory: Sizes Beginning With a Letter or Word		
First Size	Second Size	Code
Adult		10005
Big		10914
G		10917
Large		10975
Large	27	12522
Large	28	12523

Rules and Tips

- When selecting Size Codes for **Bags**, such as gym bags, use the **One Size Fits All** code — **10001**. Or, use the **Small, Medium, Large**, etc., Size Codes as appropriate.
- These Size Codes can be applied to any adult male/unisex products. For example, the size **One Size Fits All** could apply to a sweatshirt, belt, or gym bag. Or, the size **Small** could also apply to a sweatshirt, belt, or gym bag. How the Size Codes are applied depend on how the manufacturer or retailer sizes the product.

Examples

- Find a code for a size **42 Short** suit, where the First Size is **42**
Second Size is **Short**
The applicable line in the *Size Beginning with a Number* subcategory table is

42	Short	10651
----	-------	-------

The Size Code to assign is **10651**.

- Find a code for a size **17, 32/33** shirt, where the First Size is **17**
Second Size is **32/33**
The applicable line in the *Size Beginning with a Number* subcategory table is

17	32-33	10203
----	-------	-------

The Size Code to assign is **10203**.

- Find a code for a size **40 Regular** jacket, where the
First Size is **40**
Second Size is **Regular**
The applicable line in the *Size Beginning with a Number* subcategory table is

40	Average or Medium or Regular	10622
----	------------------------------	-------

The Size Code to assign is **10622**.

- Find a code for a size **Small** T-shirt, where the
First Size is **Small**
Second Size is none
The applicable line in the *Size Beginning with a Letter or Word* subcategory table is

Small		10965
-------	--	-------

The Size Code to assign is **10965**.

- Find a code for a size **10-13** pair of shoes, where
First Size is **10-13**
Second Size is none
The applicable line in the *Size Beginning with a Number* subcategory table is

10-13		12197
-------	--	-------

The Size Code to assign is **12197**.

- Find a code for a size **34 Waist, 36 Inseam** pair of slacks, where the
First Size is **34**
Second Size is **36**
The applicable line in the *Size Beginning with a Number* subcategory table is

34	36	10536
----	----	-------

The Size Code to assign is **10536**.

- Find a code for a size **42 Athletic Short** pair of shorts, where the
First Size is **42**
Second Size is **Athletic Short**
The applicable line in the *Size Beginning with a Number* subcategory table is

42	Athletic Short	11007
----	----------------	-------

The Size Code to assign is **11007**.

- Find a code for a size **1X** windbreaker, where the
First Size is **1**
Second Size is **X**

The applicable line in the *Size Beginning with a Number* subcategory table is

1	X	10033
---	---	-------

The Size Code to assign is **10033**.

Size Table 2 – Boys/Student/Unisex (non-adult) Clothing and Furnishings Category and subcategories

Product Category: Boys' & Unisex Students' Clothing & Furnishings

Subcategory: <all subcategories>
 <all subcategories>
 Sizes Beginning With a Letter or Word
 Sizes Beginning With a Number

Product Category: Boys' & Unisex Students' Clothing & Furnishings

Subcategory: <all subcategories>
 <all subcategories>
 Sizes Beginning With a Letter or Word
 Sizes Beginning With a Number

Sample results table

First Size	Second Size	Code
A		20500
A	Average or Medium or Regular	20502
A	Short or Small	20501
A	Tall or Long or Large	20503
A	XTall or XLong or XLarge	20504

Rules and Tips

- When selecting Size Codes for **Bags**, such as gym bags, use the **One Size Fits All** code — **22000**. Or, use the **Small, Medium, Large**, etc., Size Codes as appropriate.
- These Size Codes can be applied to any boys/student/unisex/girls product. For example, the size **One Size Fits All** could apply to a sweatshirt, belt, or gym bag. Or, the size **Small** could also apply to a sweatshirt, belt, or gym bag. How the Size Codes are applied depend on how the manufacturer or retailer sizes the product.

Examples

- Find a code for a size **14** suit, where the First Size is **14**
 Second Size is none
 The applicable line in the *Size Beginning with a Number* subcategory table is

14		20140
----	--	-------

The Size Code to assign is **20140**.

- Find a code for a size **Medium** T-shirt, where the First Size is **Medium**
Second Size is none
The applicable line in the *Size Beginning with Letter or Word* subcategory table is

Medium or Cadet		20603
-----------------	--	-------

The Size Code to assign is **20603**.

- Find a code for a size **Boys** unisex T-shirt, where the First Size is **Boys**
Second Size is none
The applicable line in the *Size Beginning with Letter or Word* subcategory table is

Boys		20024
------	--	-------

The Size Code to assign is **20024**.

- Find a code for a size **4-10** student jacket, where the First Size is **4-10**
Second Size is none
The applicable line in the *Size Beginning with Letter or Word* subcategory table is

4-10		20007
------	--	-------

The Size Code to assign is **20027**.

- Find a code for a size **28 Slim** pair of jeans, where the First Size is **28**
Second Size is **Slim**
The applicable line in the *Size Beginning with a Number* subcategory table is

28	Slim	20286
----	------	-------

The Size Code to assign is **20286**.

- Find a code for a tie, where the First Size is **One Size Fits All**
Second Size is none
The applicable line in the *Size Beginning with Letter or Word* subcategory table is

One Size Fits All		22000
-------------------	--	-------

The Size Code to assign is **22000**.

- Find a code for a size **28-inch waist** pair of slacks, where the First Size is **28**
Second size is none
The applicable line in the *Size Beginning with a Number* subcategory table is

28		20280
----	--	-------

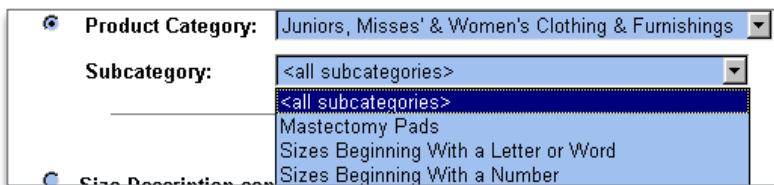
The Size Code to assign is **20280**.

- Find a code for a size **9-11** pair of girl's socks, where the First Size is **9-11**
Second Size is none
The applicable line in the *Size Beginning with a Number* subcategory table is

9-11		22032
------	--	-------

The Size Code to assign is **22032**.

Size Table 3 – Junior/Misses/Women's (adult female) Clothing and Furnishings Category and subcategories



Sample results table

Category: Juniors, Misses' & Women's Clothing & Furnishings		
Subcategory: Mastectomy Pads		
First Size	Second Size	Code
0	Left Side	31543
0	Right Side	31544
0-1		31505
1	Left Side	31545
1	Right Side	31546

Rules and Tips

- Use this table for **Adult Female** products only. If a product is **Unisex**, use Table 1 — Adult Male/Unisex Clothing and Furnishings.
- When selecting Size Codes for **Jewelry** —
 - For **necklaces** and **bracelets**, use the **Linear Measurements** table to assign a code according to length.
 - For **rings**, use the **Jewelry** table to assign a code according to ring size.

- For **earrings, pins,** and other **jewelry accessories,** use the **One Size Fits All** code **30001.**
- If the jewelry is a **unisex item,** use the Table 1 — Adult Male/Unisex Clothing and Furnishings **One Size Fits All** code **10001.**
- When selecting Size Codes for women’s **Scarves,** do one of the following.
 - Use the One Size Fits All code 30001.
 - Use the Small, Medium, Large, etc., Size Codes as appropriate.
 - When measuring, use the greatest dimension as the length, and the smaller dimension as the width. See the first “Example” below.
- When selecting Size Codes for women’s **Bags,** such as handbags or purses, use the **One Size Fits All** code **30001.** Or, use the **Small, Medium, Large,** etc., Size Codes as appropriate.
- When selecting Size Codes for unisex **Bags,** such as a gym bag, use the Table 1 — Adult Male/Unisex Clothing and Furnishings **One Size Fits All** code **10001.** Or, use the Table 1 **Small, Medium, Large,** etc., Size Codes as appropriate.
- These Size Codes can be applied to any Junior/Misses/Women’s product. For example, the size **One Size Fits All** could apply to a sweatshirt, belt, or gym bag. Or, the size **Small** could also apply to a sweatshirt, belt, or gym bag. How the Size Codes are applied depend on how the manufacturer or retailer sizes the product.

Examples

- Find a code for a size **24-inch by 6-inch** scarf, where the
First Size is **24**
Second Size is **6**
The applicable line in the *Size Beginning with a Number* subcategory table is

24	6	36200
----	---	-------

The Size Code to assign is **36200.**

- Find a code for a size **6 Petite** skirt, where the
First Size is **6**
Second Size is **Petite**
The applicable line in the *Size Beginning with a Number* subcategory table is

6	Petite	30206
---	--------	-------

The Size Code to assign is **30206.**

- Find a code for a size **8** skirt, where the
First Size is **8**
Second Size is none
The applicable line in the *Size Beginning with a Number* subcategory table is

8		30108
---	--	-------

The Size Code to assign is **30108**.

- Find a code for a size **Small** skirt, where the First Size is **Small**
Second Size is none
The applicable line in the *Size Beginning with Letter or Word* subcategory table is

Small		33902
-------	--	-------

The Size Code to assign is **33902**.

- Find a code for a size **26 Waist** skirt, where the First Size is **26**
Second Size is none
The applicable line in the *Size Beginning with a Number* subcategory table is

26		30126
----	--	-------

The Size Code to assign is **30126**.

- Find a code for a size **One Size Fits All** dress, where the First Size is **One Size Fits All**
Second Size is none
The applicable line in the *Size Beginning with Letter or Word* subcategory table is

One Size Fits All		30001
-------------------	--	-------

The Size Code to assign is **30001**.

- Find a code for a size **3/4** jacket, where the First Size is **3/4**
Second Size is none
The applicable line in the *Size Beginning with a Number* subcategory table is

3-4		34147
-----	--	-------

The Size Code to assign is **34147**.

- Find a code for a size **36 C** camisole, where the First Size is **36**
Second Size is **C**
The applicable line in the *Size Beginning with a Number* subcategory table is

36	C	30745
----	---	-------

The Size Code to assign is **30745**.

- Find a code for a size **26 Waist, 30-inch inseam** pair of slacks, where the First Size is **26**
Second Size is **30**
The applicable line in the *Size Beginning with a Number* subcategory table is

26	30	34004
----	----	-------

The Size Code to assign is **34004**.

- Find a code for a size **30-32** half-slip, where the First Size is **30-32**
Second Size is none
The applicable line in the *Size Beginning with a Number* subcategory table is

30-32	30	36035
-------	----	-------

The Size Code to assign is **36035**.

- Find a code for a size **Queen** pair of pantyhose, where the First Size is **Queen**
Second Size is none
The applicable line in the *Size Beginning with Letter or Word* subcategory table is

Queen		30084
-------	--	-------

The Size Code to assign is **30084**.

- Find a code for a size **A-B** dress, where the First Size is **A-B**
Second Size is none
The applicable line in the *Size Beginning with Letter or Word* subcategory table is

A-B		30058
-----	--	-------

The Size Code to assign is **30058**.

Size Table 4 – Infant/Toddler/Girls Main Table Category and subcategories

Product Category:	Infants', Toddlers & Girl's Clothing
Subcategory:	<all subcategories> <all subcategories> Sizes Beginning With a Letter or Word Sizes Beginning With a Number

Sample results table

Category: Infants', Toddlers & Girl's Clothing		
Subcategory: Sizes Beginning With a Letter or Word		
First Size	Second Size	Code
Girls		40018
Infant		40016
Juvenile		40020
Large		40904
Large-XLarge		40305
Medium		40903
Medium-Large or Medium-Long		40906

Rules and Tips

Use this table for all Unisex Infant, Unisex Toddler, and Girls' products, whenever possible.

Examples

- Find a code for a size **12 Slim** Girls' skirt, where the First Size is **12**
Second Size is **Slim**
The applicable line in the *Size Beginning with a Number* subcategory table is

12	Slim	40431
----	------	-------

The Size Code to assign is **40431**.

- Find a code for a size **6X-7** Girls' dress, where the First Size is **6**
Second Size is **X-7**
The applicable line in the *Size Beginning with Letter or Word* subcategory table is

6	X-7	40867
---	-----	-------

The Size Code to assign is **40867**.

- Find a code for a size **Small** Toddler's snowsuit, where the First Size is **Small**
Second Size is none
The applicable line in the *Size Beginning with a Letter or Word* subcategory table is

Small		40902
-------	--	-------

The Size Code to assign is **40902**.

- Find a code for a size **3 Months** Infant’s jacket, where the First Size is **3**
Second Size is **Months**
The applicable line in the *Size Beginning with a Number* subcategory table is

3	Months	40203
---	--------	-------

The Size Code to assign is **40203**.

- Find a code for a size **4T** Toddler’s jacket, where the First Size is **4**
Second Size is **Toddler**
The applicable line in the *Size Beginning with a Number* subcategory table is

4	Toddler	40336
---	---------	-------

The Size Code to assign is **40336**.

Size Table 5 – Footwear

Category and subcategories

Product Category:

Subcategory:

- <all subcategories>
- <all subcategories>
- European Footwear Sizes
- United States Footwear Sizes

Sample results table

Category: Footwear		
Subcategory: United States Footwear Sizes		
First Size	Second Size	Code
XXSmall	Medium	50074
00		50080
0		50100
000		52031
0000		52038
00	2A	50083
0	2A	50103

Rules and Tips

Use this table for all footwear products, regardless of gender.

Examples

- Find a code for a size **6.5 B** pair of Women’s shoes, where the First Size is **6.5**
Second Size is **B**

The applicable line in the *United States Footwear* subcategory table is

6.5	B	50365
-----	---	-------

The Size Code to assign is **50365**.

- Find a code for a size **10 Wide** pair of Men's shoes, where the First Size is **10**
Second Size is **Wide**
The applicable line in the *United States Footwear* subcategory table is

10	Wide	50517
----	------	-------

The Size Code to assign is **50517**.

- Find a code for a size **33 C** pair of Men's shoes, where the First Size is **33**
Second Size is **C**
The applicable line in the *European Footwear* subcategory table is

33	C	50912
----	---	--------------

The Size Code to assign is **50912**.

- Find a code for a size **A** pair of children's shoes, where the First Size is **A**
Second Size is none
The applicable line in the *United States Footwear* subcategory table is

A		52000
---	--	-------

The Size Code to assign is **52000**.

- Find a code for a size **8 Triple E** pair of Men's shoes, where the First Size is **8**
Second Size is **3E**
The applicable line in the *United States Footwear* subcategory table is

8	3E	50430
---	----	-------

The Size Code to assign is **50430**.

- Find a code for a size **9-10** pair of Women's boots, where the First Size is **9-10**
Second Size is none
The applicable line in the *United States Footwear* subcategory table is

9-10		52014
------	--	-------

The Size Code to assign is **52014**.

Size Table 6 – Linens, Domestic, and Related Textiles

Bed, Bath, and Kitchen category and subcategories

Product Category: Bed, Bath & Kitchen
Subcategory: <all subcategories>
 Bath, Kitchen, Towels & Miscellaneous
 Bed Pillows, Pillowcases & Shams
 Bed Sheets & Sheet Sets
 Bed, Bath & Accessories
 Bedskirts & Canopies

Other subcategories are

- Bedspreads & Duvets
- Blankets & Quilts
- Comforters & Feather Beds
- Pillows & Accessories
- Protective Coverings
- Shower Curtains & Accessories
- Table Linens

Sample results table

Category: Bed, Bath & Kitchen		
Subcategory: Bed Sheets & Sheet Sets		
First Size	Second Size	Code
3/4	Bottom Fitted Regular Pocket Bed Sheet	60637
3/4	Deep Pocket Pillowcase, Flat & Fitted Sheet Set	69607
3/4	Flat Bed Sheet	60638
3/4	Narrow Pocket Pillowcase, Flat & Fitted Sheet Set	69594
3/4	Regular Pocket Pillowcase, Flat & Fitted Sheet Set	69807
California King	Bottom Fitted Deep Pocket Bed Sheet	60634
California King	Bottom Fitted Regular Pocket Bed Sheet	60662

Furniture and Slipcovers category

Product Category: Furniture & Slipcovers
Subcategory: <all subcategories>
 <all subcategories>
 Slipcovers

Mattresses, Box springs, and Beds category

Product Category: **Mattresses, Boxsprings & Beds**

Subcategory: **<no subcategories>**

Window Treatment category and subcategories

Product Category: **Window Treatments**

Subcategory: **<all subcategories>**

Size Description con

- Cascades, Festoons, Jabots & Swags
- Curtain Rods & Accessories
- Lined Curtains, Drapes, Panels & Tiers
- Priscillas & Ruffled Applications
- Rod Sleeves, Shades, Side Cascades & Toppers

Other subcategories are

- Tiebacks
- Unlined Curtains, Drapes, Panels, & Tiers
- Valences & Window Accessories

Rules and Tips

For some subcategories, the Second Size field contains an item description.

Examples

- Find a code for a **Queen** pillowcase, where the First Size is **Queen**
Second Size is **Pillowcase**
The applicable line in the *Bed Pillows, Pillowcases, and Shams* subcategory table is

Queen	Single Pillowcase	60685
-------	-------------------	-------

The Size Code to assign is **60685**.

- Find a code for a **Beach Towel**, where the First Size is **Towel**
Second Size is **Beach**
The applicable line in the *Bath, Kitchen, Towels, and Miscellaneous* subcategory table is

Towel	Beach	60694
-------	-------	-------

The Size Code to assign is **60694**.

Size Table 7 - Home Furnishings, China, Dinnerware and Accessories, Jewelry

China, Dinnerware, and Accessories category and subcategories

Product Category: China, Dinnerware & Accessories
Subcategory: <all subcategories>
 <all subcategories>
 Bakeware Sets
 Dinnerware Sets
 Open Stock & Service Accessory Pieces
 Size Description con

Sample Results Table

Category: China, Dinnerware & Accessories		
Subcategory: Bakeware Sets		
First Size	Second Size	Code
4 Pieces		77739
5 Pieces		77740
7 Pieces		77741
11 Pieces		77742
First Size	Second Size	Code

Drinkware category

Product Category: Drinkware
Subcategory: <no subcategories>

Flatware category and subcategories

Product Category: Flatware
Subcategory: <all subcategories>
 <all subcategories>
 Flatware Piece Sets
 Forks
 Knives
 Size Description con (1.75)

Other subcategories are

- Miscellaneous
- Servers
- Service Sets
- Spoons

Jewelry category and subcategory

Product Category: Jewelry

Subcategory: <all subcategories>

<all subcategories>

Ring Sizes

Linear Measurements table

Product Category: Linear Measurements

Subcategory: <no subcategories>

Sample Results table

Category: Linear Measurements		
Subcategory: None		
First Length (inches)	Second Length (inches)	Code
.17		77796
.22		77797
.223		77798
.243		77799
.25		71595
.26		77800
.27		77801

Liter Measurements table

Product Category: Liter Measurements

Subcategory: <no subcategories>

Sample Results Tale

Category: Liter Measurements		
Subcategory: None		
Amount	Units	Code
.0003	Liter	71933
.0007	Liter	72058
.00125	Liter	70100
.002	Liter	72045
.0025	Liter	70098
.0060	Liter	70099
0.75	Liter	72758

Millimeter Measurements table

Product Category: Millimeter Measurements
 Subcategory: <no subcategories>

Sample Results table

Category: Millimeter Measurements		
Subcategory: None		
Length	Units	Code
8	Millimeters	70101
10	Millimeters	70102
11	Millimeters	70103
12	Millimeters	70104
13	Millimeters	70105
14	Millimeters	70106
15	Millimeters	71676

Volume Measurements table

Product Category: Volume Measurements
 Subcategory: <all subcategories>

Sample Results table

Category: Volume Measurements					
Subcategory: United States Customary Units					
Ounces	Cups	Pints	Quarts	Gallons	Code
			1.33 Quarts		74266
			2.66 Quarts		77502
			3.60 Quarts		73570
			3.75 Quarts		73578
			4.25 Quarts		71718
			4.75 Quarts		74264
			5.25 Quarts		71722

Rules and Tips

- Use the **Linear Measurement** table for these items.
 - Art
 - Bracelets
 - Boxes
 - Candles
 - Carpets

- Clocks
- Frames
- Jewelry Boxes
- Luggage
- Mirrors
- Necklaces
- Rugs
- Vases
- All other items with a linear measurement of **Length** and **Width**.
- When using the **Linear Measurement** table, use the greatest dimension as the length, and the smaller dimension as the width.

Examples

- Find a code for a **size 5** diamond ring, where the
First Size is **5**
Second Size is none
The applicable line in the *Linear Measurements* subcategory table is

5		72229
---	--	-------

The Size Code to assign is **72229**.

- Find a code for a **16-piece Flatware serving set**, where the
First Size is **16 Piece**
Second Size is **Serving Set**
The applicable line in the *Flatware* category, *Service Sets* subcategory table is

16 Piece	Serving Set	71969
----------	-------------	-------

The Size Code to assign is **71969**.

Size Table 8 – Reserved for future use

This table is reserved for future GS1 US assignments.

Size Table 9 – Pre-Pack/Set-Pack Assortments

There are three types of Product Assortments.

- Pre-pack or Standard Assortments
- Set-Pack Assortments
- Multi-Pack Assortments

The following Size Code numbers are reserved for Pre-Pack and Set-Pack assortments.

	Code Number
Assortment 1	91000
Assortment 2	91001
Assortment 3	91002
Assortment 4	91003
...And so forth, through ...	
Assortment 1989	92999

Note: Currently, eleven codes in the **91000-92990** code range are not available for use, for example, code **92505**.

Important – Immediately discontinue using any previously assigned Pre-Pack or Set-Pack Assortment numbers that are not in this range.

Pre-Pack or Standard Assortments

The following defines a Pre-Pack, Case Pack or Standard Assortment.

- A Pre-Pack, Case Pack or Standard assortment is a collection of similar merchandise items that are sold and shipped together – for example, an assortment of men's shirts that vary in color and size.
- Each item within this collection has its own U.P.C. Product ID that is scannable at the point-of-sale.
- The Pre-Pack U.P.C. Product ID is **not** scanned by the retailer at the point-of-sale.

Rules and Tips

- Each item in the Pre-Pack must be GS1 US Color and Size coded, "maintaining the one-to-one relationship between product ID/color ID/size ID and U.P.C. Product ID). Each U.P.C. component (item) is scannable at the point-of-sale and may or may not be orderable separately outside of the prepack." ([Apparel and General Merchandise Guideline - Floor-Ready Merchandise](#))
- Assign a separate, unique U.P.C. Product ID to each different orderable Pre-Pack. Pre-Packs differ when either the item or quantity contents are different.
- Assign a different GS1 US Assortment Code to each orderable Pre-Pack from the **91000 - 92999** range of codes.
- If all items in an orderable Pre-Pack are the same color, assign a Color Code, representing the actual color/shade of the items contained, to the Pre-Pack itself.

- If the items in an orderable Pre-pack are different colors, assign the Special Color Code **999** (Assorted Colors) to the Pre-Pack itself.
- For each orderable Pre-Pack or Standard Assortment item,
 - Assign a Color Code that represents its actual color/shade.
 - Assign a Size Code representing its actual size.
 - Assign a unique U.P.C. Product ID, which is different from the Pre-Pack Assortment U.P.C. Product IDs.

Example

Assign item and assortments codes for two Pre-Pack/Standard Assortments of Men’s Beach Sandals, containing.

Item color and size breakdown				
Pre-Pack	# Pairs	Size	# Pairs	Color
First	100	Small	25	Black
			25	Blue
			25	Red
			25	Green
	200	Medium	25	Black
			25	Blue
			25	Red
			25	Green
	200	Large	25	Black
			25	Blue
			25	Red
			25	Green
	100	X-Large	25	Black
			25	Blue
			25	Red
			25	Green
Second	50	Small	50	Black
	150	Medium	150	Black
	200	Large	200	Black
	100	X-Large	100	Black

To assign item and assortment codes, follow these steps.

1. First, assign GS1 US Color and Size Codes to the different item types.

Item color and size breakdown				Item coding		
Pre-Pack	# Pairs	Size	# Pairs	Color	Size Code	Color Code
First	100	Small	25	Black	50800	001
			25	Blue	50800	400

			25	Red	50800	600
			25	Green	50800	300
	200	Medium	25	Black	50820	001
			25	Blue	50820	400
			25	Red	50820	600
			25	Green	50820	300
	200	Large	25	Black	50860	001
			25	Blue	50860	400
			25	Red	50860	600
			25	Green	50860	300
	100	X-Large	25	Black	50880	001
			25	Blue	50880	400
			25	Red	50880	600
			25	Green	50880	300
Second	50	Small	50	Black	50800	001
	150	Medium	150	Black	50820	001
	200	Large	200	Black	50860	001
	100	X-Large	100	Black	50880	001

2. Then, assign the Assortment Codes for the **First Pre-Pack**, as follows.

- Use Assortment Size Code **90001**.
- Use Assorted Color Code **999**.

3. Finally, assign the Assortment Codes for **Second Pre-Pack**, as follows.

- Use Assortment Size Code 91002.
- Use Assorted Color Code 001.

Remember that each unique combination of Vendor Product ID (style ID), Color, and Size, must have its own separate U.P.C. Product ID. So, if the Vendor Product ID (style ID) is **872M** for both Pre-Packs, the U.P.C. Product ID for the First Pre-Pack might be **56789**, and for the Second Pre-Pack, **66331**.

Set-Pack Assortments

The following defines a Set-Pack Assortment.

- A Set-Pack is a group of items that are ordered and shipped together but can be sold either individually or as a set – for example, a set of cookware.
- Each item within this group has its own U.P.C. Product ID that is scannable at the point-of-sale.
- The Set-Pack U.P.C. Product ID **is** scanned by the retailer at the point-of-sale.

Rules and Tips

- Each item in the Set-Pack must be GS1 US Color and Size coded, “maintaining the one-to-one relationship between product ID/color ID/size ID and U.P.C. Product ID). Each U.P.C. component (item) is scannable at the point-of-sale and may or may not be orderable separately outside of the prepack (Set-Pack).” ([Apparel and General Merchandise Guideline - Floor-Ready Merchandise](#))
- Assign a different Assortment Code to each orderable Set-Pack from the **91000 - 92999** range of codes.
- If all items in an orderable Pre-Pack are the same color, assign a Color Code, representing the actual color/shade of the items contained, to the Set-Pack itself.
- If the items in an orderable Pre-pack are different colors, assign the Special Color Code **999** (Assorted Colors) to the Set-Pack itself.
- Assign a separate, unique U.P.C. Product ID to each different orderable Set-Pack. Set-Packs differ when either the item or quantity contents are different.
- For each orderable Set-Pack Assortment item,
 - Assign a Color Code that represents its actual color/shade.
 - Assign a Size Code representing its actual size.
 - Assign a unique U.P.C. Product ID, which is also different from the Set-Pack Assortment U.P.C. Product IDs.

Example

Assign item and assortment codes for two Set-Packs of cookware, as follows.

Set-Pack	Contents	Color
First	8" Open French Skillet 10" Covered Fry Pan 1 Quart Covered Saucepan 2 Quart Covered Saucepan 5.5 Quart Covered Stock Pot	Black
Second	8" Open French Skillet 10" Open French Skillet 10" Covered Fry Pan 1 Quart Covered Saucepan 2 Quart Covered Saucepan 4 Quart Covered Saucepan 8 Quart Covered Stock Pot	Silver

To assign item and assortment codes, follow these steps.

1. Assign GS1 US Color and Size Codes to each item in both Set-Packs.
 - For example, for the 4-Quart Covered Saucepan, Color Code **040**
Size Code **73205**
2. Then, assign the GS1 US Assortment Codes for the **First Set-Pack**, as follows.

- Use Assortment Size Code **91001**
- Use Assorted Color Code **001**

3. Finally, assign the GS1 US Assortment Codes for the **Second Set-Pack**, as follows.

- Use Assortment Size Code **91002**
- Use Assorted Color Code **040**

Remember that each unique combination of Vendor Product ID (style ID), Color, and Size, must have its own separate U.P.C. Product ID. So, if the Vendor Product ID(style ID) is **2210B** for the First Set-Pack, and **3350A** for the Second, the U.P.C. Product ID for the First Set-Pack might be **55213**, and for the Second Set-Pack, **85566**.

Multi-Pack Assortments

The following defines a Multi-Pack Assortment.

- A Multi-Pack Assortment is a group of items (the same or different) which are intended to be sold as a single consumer unit at the point-of-sale, such as a 3-Pack of Men's White T-Shirts or a 12 Piece Set of Glassware
- A Multi-Pack is **not** intended to be broken apart and ordered or sold as individual items. Generally, multi-pack items are not assigned an individual U.P.C. Product ID.

Rules and Tips

- Assign a separate, unique U.P.C. Product ID to each different orderable Multi-Pack. This includes Multi-Packs of the same items, for example, 3-pack socks versus 6-pack socks.
- Assign each different Multi-Pack U.P.C. its own product ID/color ID/size ID.
- If all items in an orderable Multi-Pack are the same color, assign a Color Code, representing the actual color/shade of the items contained, to the Multi-Pack itself.
- If the items in an orderable Multi-pack are different colors, assign the Special Color Code **999** (Assorted Colors) to the Pre-Pack itself.
- Assign a Size Code each Multi-Pack that represents the size of the items.

Although a Multi-Pack is not intended to be broken apart and ordered or sold as individual items, these items might be separately orderable and saleable. When this occurs, for **each** orderable Multi-Pack Assortment item

- Assign a Color Code that represents its actual color/shade.
- Assign a Size Code representing its actual size.
- Assign a unique U.P.C. Product ID, which is also different from the Multi-Pack Assortment U.P.C. Product IDs.

Example

A vendor offers three Multi-Packs of Men's Bikini-Style Briefs, as follows.

- The **First Multi-Pack** contains 3 pairs of size **Small** briefs, in **Mixed Solids** (Black, Blue, Red) color.

- The **Second Multi-Pack** contains 3 pairs of size **Medium** briefs, in the color **Red**.
- And, the **Third Multi-Pack** contains 3 pairs of size **Large** briefs, in **Mixed with Contrasting Stripe** (Black/Red stripe, Blue/Red stripe, Green/Blue stripe) colors.

To assign assortment codes, follow these steps.

1. For the First Multi-Pack,
 - Use Size Code **10965**
 - Use Assorted Color Code **999**
2. For the Second Multi-Pack,
 - Use Size Code **10970**
 - Use Color Code **600**
3. For the Third Multi-Pack,
 - Use Size Code **10975**
 - Use Assorted Color Code **999**

Remember that each unique combination of Vendor Product ID (style ID), Color, and Size, must have its own separate U.P.C. Product ID. So, if the Vendor Product ID (style ID) is **4471** for the First and Second Multi-Packs, and 5572 for the Third, the U.P.C. Product ID for the First Multi-Pack might be **56789**, and for the Second Multi-Pack, **49712**, and for the Third Multi-Pack, **69615**.

Assortment summary

The following table summarizes the differences between the three Assortment packs.

	Pack			Pack Items		
	Orderable by Retailer	Sell to Consumer	U.P.C Marked	Orderable by Retailer	Saleable to Consumer	U.P.C. Marked
Pre-Pack	Yes	No	Yes	No ¹	Yes	Yes
Multi-Pack	Yes	Yes	Yes	No	No	No ²
Set-Pack	Yes	Yes	Yes	No ¹	Yes	Yes ³

Notes

- ¹ The intent is not to reorder; however, reorders may be allowed, depending on individual partnership agreements.
- ² U.P.C. Product IDs on individual items are optional but are generally not used.
- ³ U.P.C. Product IDs are required, because the individual items saleable.



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