



# FASHIONPEDIA

THE VISUAL DICTIONARY  
OF FASHION DESIGN

HISTORY / STYLE / APPAREL / DETAIL  
ACCESSORIES / TEXTILE / MANUFACTURING  
BODY / BEAUTY / MEASUREMENT / CARE



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THE VISUAL DICTIONARY  
OF FASHION DESIGN

FASHIONARY

# FASHIONARY

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Fashionary Team  
Feb 2017





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# PREFACE

Fashion designers are constantly on the search for inspiration and design possibilities. They also need to communicate with factories and buyers, which requires the use of technical terms and jargon. What fashion professionals really need is a simple yet practical handbook that addresses all their needs in a straightforward, user-friendly manner. All these inspired the birth of *Fashionpedia*, literally a fashion encyclopedia with a wealth of practical information that one needs as a fashion designer.

Simple, informative, portable and elegant, *Fashionpedia* truly embodies our idea and vision of an all-encompassing fashion bible. Here at Fashionary, we understand that visuals and images are the universal language of designers worldwide. Therefore, *Fashionpedia* presents all complex information as easy-to-read infographics. Our carefully curated sections make it easy to navigate, allowing users to

quickly locate the information they need. As with our signature line of Fashionary notebooks, *Fashionpedia* also comes in a sleek, compact form for portable, on-the-go use to suit fashion designers' busy lifestyles.

On our quest to create the dream fashion tool book, we have consulted with professionals to ensure all information included in *Fashionpedia* reflects the industry standard. Our design team has dedicated months to perfecting the graphics and layout for the best readability.

*'Without foundations, there can be no fashion,'* Christian Dior once said. We hope you find *Fashionpedia* as inspirational as we do, and may it become a fundamental and indispensable part of your fashion ambitions.

FASHIONS FADE,  
STYLE IS ETERNAL.

/ YVES SAINT LAURENT



# 1.1

## FASHION AND WORLD HISTORY FROM THE 20TH CENTURY

---

Coco Chanel once said, *"Fashion is not something that exists in dresses only. Fashion is in the sky, in the street; fashion has to do with ideas, the way we live, what is happening."*

Fashion is a fast-changing concept that connects with everybody's everyday life especially from the 20th century. Styles and ideas became more accessible to fashion designers by improved communication and the media. Fashion is a part of who we are, the way we live, and the times in which we exist. To start off, a timeline is included to show the relationship between the fashion trends and world events from the 20th century, and also the fashion keywords and style icons of the decades.

# 1900s

The Edwardian Era & rise of Parisian haute couture

FASHION

- 1903 Paul Poiret established his couture house in Paris



- Heinrich Stoll invented the flat bed purl knitting machine

POST-IMPRESSIONISM & ART NOUVEAU

POPULAR CULTURE



- First Silent Movie: The Great Train Robbery

WORLD



Albert Einstein published the Theory of Relativity and introduced the famous equation,  $E = mc^2$

# 1910s

The Oriental Era & WWI

- 1909 Condé Nast took over Vogue magazine.
- 1912 'Queen of the Bias Cut' Madeleine Vionnet opened her couture house



- 1914 Burberry trench coat used by the British Army during WWI



- CHANEL 1909
- ERMENEGILDO ZEGNA 1910
- PRADA 1912
- BALenciAGA 1914

- Designer Mariano Fortuny patented his pleat-setting technique
- Spjers invented the circular bed purl knitting machine
- First modern bra design patented in the United States
- Gideon Sundback patented the modern zipper

CONSTRUCTIVISM

FAUVISM & GERMAN EXPRESSIONISM

ABSTRACT ART & CUBISM

DADA

WORLD WAR I 1914-1918



First AM radio factory opened



Ernest Rutherford, Father of Nuclear Physics, theorized that atoms have their charge concentrated in a very small nucleus

KEYWORDS & STYLE ICONS

- Bishop's Sleeve BOA Cabochon
- Camiknicks Collarette Covert Coat
- Dog-collar Neckline Duster
- Lingerie Look Negligee Panama Hat
- Pegged Trousers Pompadour
- Racer S-bend Corset

**Style Icons**

Gibson Girl, Camille Clifford

- Brassiere Cloche Jupe-culottes
- Minaret Tunic Oriental Opulence
- Peter Pan Collar

**Style Icons**

Duff Gordon, Gabrielle Dorziat

# 1920s

The Roaring Twenties

# 1930s

Hollywood's influence & WWII

FASHION



- 1926  
Coco Chanel published a picture of a 'little black dress' in American Vogue



- 1937  
Elsa Schiaparelli designed the 'Lobster Dress' with artist Salvador Dalí

• GUCCI 1921 • BOSS 1924

• *Salvatore Ferragamo* 1928

- Development of metal hooks and eyes

- Wallace Carothers and DuPont Labs invented nylon (polymer 6.6)

ART DECO

SURREALISM

POPULAR CULTURE



• IT



• Morning Glory



• Camille



• Gone with the Wind



• The Kid



• Metropolis



• Shanghai Express



• Modern Times



• The Wizard of Oz

WORLD

\$ Black Thursday & the start of the Great Depression

WORLD WAR II 1939-1945



Philo Farnsworth invented the first all-electronic television system

**BBC**

BBC started the world's first television broadcasting service

KEYWORDS & STYLE ICONS

Art Deco Balloon Shoes Blanket Cloth

Cloverleaf Lapel Clutch Coat Corsetlette

Flapper Handkerchief Skirt Jabot Blouse

Oxford Bag Plus Fours Polo Shirt

Raccoon Skin Coat Singlet Slip

**Style Icons**

Zelda Fitzgerald, Louise Brooks, Coco Chanel, Rudolph Valentino, Elsa Schiaparelli, Pola Negri, Clara Bow

Batwing Sleeve Bias Cut Blade Cut Suit

Drape Cut Suit Guards Coat Huaraches

Lido Shoes Loafers Mess Jacket

Monk Pagoda Sleeve Seersucker

Toy Hat Tyrolean Weskit

**Style Icons**

Greta Garbo, Bette Davis, Marlene Dietrich, Wallis Simpson, Clark Gable, Katharine Hepburn

# 1940s

The era of utility clothing

- 1942 American ready-to-wear industry developed in response to wartime clothing regulations and the American look was created



- 1943 First fashion week: New York Fashion Week



• Dior  
1946

- 1947 Christian Dior created the 'New Look'



• GIVENCHY  
1952

• pierre cardin  
1950

• MISSONI  
1953

- 1952 Cristóbal Balenciaga designed the sack line
- 1955 Marilyn Monroe's wind-blown white dress



- First wrinkle-resistant finishing created
- Fiber reactive dye invented
- Commercial use of artificial silk in women's lingerie and hosiery
- First commercial polyester fiber production by DuPont

## POP ART

## ABSTRACT EXPRESSIONISM



• Comrade X



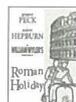
• Casablanca



• Gilda



• Elvis Presley's Elvis Presley (album)



• Roman Holiday

## VIETNAM WAR 1955-1979

## COLD WAR 1947-1991

## POST-WAR BABY BOOM

Atomic bombings of Hiroshima and Nagasaki



Post-war economic boom



## THE SPACE AGE

- Atom
- Battle Jacket
- Bikini
- Bold Look
- Bomber Jacket
- Chinos
- Cigarette Silhouette
- Duffle Coat
- Dungarees
- New Look
- Prêt-à-porter
- Pullman Robe
- Spool Torso

### Style Icons

Ingrid Bergman, Fred Astaire, Rita Hayworth, Hedy Lamarr, Barbara "Babe" Paley, Diana Vreeland

- A-line
- Ballet Slippers
- Balmacaan
- Bermuda Shorts
- Capri Pants
- Circle Skirt
- Cocoon Silhouette
- Flare Coat
- H-line
- Ivy League Style
- Pedal Pushers
- Shirtwaister
- Stilettos
- Teddy Boys
- Toppers
- Trapeze Line
- Y-line

### Style Icons

Audrey Hepburn, James Dean, Bettie Page, Grace Kelly, Elizabeth Taylor, Marilyn Monroe, Elvis Presley

# 1960s

The Flower Power Era & ethnic folkloric

# 1970s

The 'Me' Decade & rise of anti-fashion

FASHION



- 1964 André Courrèges showed his Space Age collection in Paris
- 1965 Yves Saint Laurent dress inspired by artist Piet Mondrian



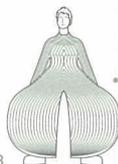
- 1966 Twiggy declared as 'The Face of 1966'

• VALENTINO  
1960

• YVES SAINT LAURENT  
1961

• RALPH LAUREN  
1967

- Rise of Velcro (hook-and-loop fasteners) in fashion industry
- Permanent-press fabric invented



- 1970 Vivienne Westwood created punk fashion
- 1973 Kansai Yamamoto designed costumes for David Bowie's Ziggy Stardust Tour
- 1974 Beverly Johnson as the first black model on the cover of American Vogue

• 1977 The Sex Pistols performed 'God Save the Queen' wearing Westwood

• GEORGIO ARMANI  
1975

• VERSACE  
1978

MINIMALISM

OP ART

POPULAR CULTURE

- The Beatles' Sgt. Pepper's Lonely Hearts Club Band



- Breakfast at Tiffany's



- 2001: A Space Odyssey



- Annie Hall



- Saturday Night Fever

VIETNAM WAR  
1955-1979

COLD WAR  
1947-1991

\$ 1970s Recession

MOON LANDING



Audio cassette invented



Walkman invented

WORLD

KEYWORDS & STYLE ICONS

Afron Baby Doll Gown Beehive Hairstyle  
Bell Button Broomsticks  
Carnaby Street Look Chelsea Boots  
Go-go Boots Hiphugger Maxi & Midi Skirt  
Mini Skirt Mod Look Nehru Suit

### Style Icons

Mary Quant, Twiggy, Penelope Tree, Yoko Ono, Cher, Diana Ross, Brian Jones, The Beatles, Jacqueline Kennedy, Jane Birkin, Grace Coddington, Jean Shrimpton

Baggies Dressing-gown Coat  
Duvet Coat Folklorica Gatsby Suit  
Gauchos Glam & Glitter Rock Style  
Gypsy Style Hippie Style Hot Pants  
Platform Shoes Punk Look Turtlesuit

### Style Icons

Pam Grier, Sid Vicious, Farrah Fawcett, Beverly Johnson, Bianca Jagger, Iman, Debbie Harry, Olivia Newton-John, Jane Fonda, Ali Macgraw, Jerry Hall, Patti Smith, Diane Keaton

# 1980s

Power dressing & the yuppie era

- 1981 Japanese Deconstructionists showed in Paris
- 1981 Dynasty (TV series) first screened



• DOLCE & GABBANA  
1985

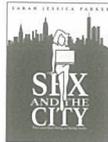
• DKNY  
1984

- 1986 A group of Belgian avant-garde fashion designers - The 'Antwerp Six' showed their collection in London

- 1990 Madonna wore the cone bra designed by Jean Paul Gaultier on Blond Ambition World Tour
- 1993 Kate Moss in Calvin Klein underwear campaign



- 1998 Sex and the City (TV series) first screened



- Development of digital textile printing technology

## NEO

EXPRESSIONISM

- Michael Jackson's Thriller



- Nirvana's Nevermind



- Spice Girls' Spice



- E.T. the Extra-Terrestrial



- Pretty Woman



Goldilocks Economy

COLD WAR  
1947-1991

**IBM**  
MS-DOS & first IBM-PC invented



First commercially available cell phone invented by Motorola



Apple Macintosh invented



The World Wide Web and Internet protocol (HTTP) and WWW language (HTML) created

- Google  
1998

- Aerobics Craze
- B-Boys
- Bolla
- Deconstruction
- Ferrule
- Miami Vice Loop
- Pouf Dress
- Power Dressing
- Rockability
- Romantique
- Shell Toes
- Skin Head
- Skinny Tie

### Style Icons

Diana Spencer, Madonna, Michael Jackson, David Bowie, Grace Jones, Prince, Boy George, Demi Moore, Cyndi Lauper, George Michael

- Anti-fashion
- Board Shorts
- Bogolanfino Cloth
- Boxer Briefs
- Caesar Chic
- Casual Chic
- Cyberstyle
- Grunge
- Hipster
- Minimalism
- Racer
- Slope
- Tattoo & Body Piercing
- Technotextile
- Workout Clothing

### Style Icons

Kate Moss, Courtney Love, Kurt Cobain, Naomi Campbell, Isabella Blow, Liz Tilberis, Linda Evangelista, Cindy Crawford, Heidi Klum

# 2000s

Rise of "Fast Fashion"

# 2010s

Rise of "Slow Fashion"

FASHION

- 2002 Takashi Murakami x Louis Vuitton collection



- 2005 Alexander McQueen used hologram of Kate Moss in his Fall 2006 Fashion Show



- 2007 Anya Hindmarch designed the global sell-out tote bag 'I'm Not a Plastic Bag'

Rise of online shopping

Rise of sustainable and eco fashion

POPULAR CULTURE

- OutKast's Speakerboxxx / The Love Below



- Lady Gaga's The Fame



- Factory Girl

## 9/11 ATTACK & WAR ON TERROR

2001-present

WORLD



Great Recession



iPhone launched 2007

• **twitter** 2006

• **Google+** 2011

• **YouTube** 2005

• **facebook** 2005

• **Instagram** 2010

- 1960s Revival
- Absurdist
- Admiral Jacket
- Boho (bohemian) Style
- Boyfriend Style
- Fast Fashion
- Green Fashion
- Shrunken Look
- Slim-fit Suit
- Smart Fabric
- Sustainable Fabric
- Trash Fashion (Trashion)
- Tribal Look
- Y2K Fashion

### Style Icons

Sienna Miller, Chloë Sevigny, Nicole Richie, Sarah Jessica Parker, Lady Gaga, Mary-Kate And Ashley Olsen, Rihanna, Alexa Chung, Hedi Slimane, Carine Roitfeld, Franca Sozzani, Anna Wintour, Michelle Obama, Gisele Bündchen

KEYWORDS & STYLE ICONS

## 1.2 FASHION STYLE AND SILHOUETTE

---

Fashion styles and popular apparel trends are constantly in flux, and fashion in the West in particular has experienced continual upheavals and major changes. Popular fads have included such fashion statements as rear-enhancing bustles, short flapper dresses, wide-leg bell bottoms, and deliberately ripped jeans. These and other major fashion styles make up the fascinating history of fashion.

# FASHION STYLES IN HISTORY



— Egyptian —

🕒 3100 - 332 BC  
📍 Egypt



— Byzantine —

🕒 5th - 6th Centuries  
📍 Roman Empire



— Medieval —

🕒 5th - 15th Centuries  
📍 Europe



— Elizabethan —

🕒 1550s - 1600s  
📍 England



— Rococo —

🕒 1750 - 1775  
📍 Europe and North America



— Empire / Regency —

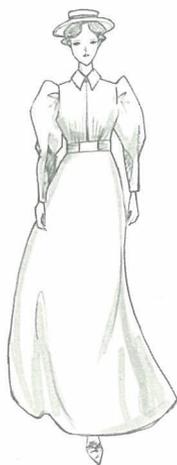
🕒 1790s - 1820s  
📍 Western and Central Europe



Victorian

🕒 1830s - 1900s

📍 British Empire



Gibson Girl

🕒 1890s - 1910s

📍 United States



Sailor

Bretton stripes

🕒 1910s

📍 France



The 20s

🕒 1920s

📍 Europe



Flapper

🕒 1920s

📍 Europe



Art Deco

🕒 1920s

📍 Europe



— Hollywood Starlet —

🕒 1920s - 1940s  
📍 Europe and United States



— The 30s —

🕒 1930s  
📍 United States



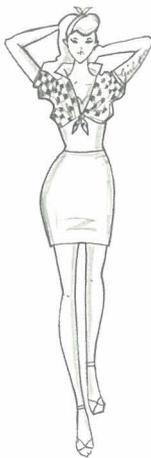
— The 40s —

🕒 1940s  
📍 Europe and United States



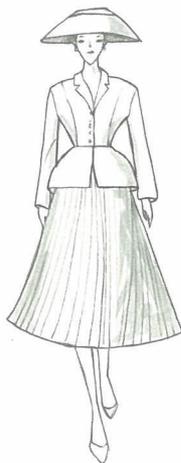
— Military —

🕒 1940s  
📍 Global



— Pin-up Girl —

🕒 1940s - 1950s  
📍 United States



— New Look —

🕒 1940s - 1950s  
📍 France



Fetish

- 🕒 1940s - 1950s  
📍 England and United States



The 50s

- 🕒 1950s  
📍 Europe and United States



Teddy Girl

- 🕒 1950s  
📍 England



Tropical

- 🕒 1950s  
📍 United States



Preppy

- 🕒 1950s  
📍 United States



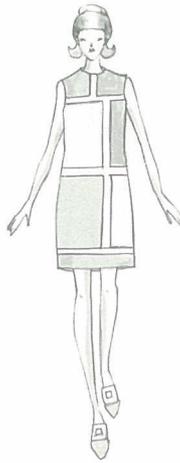
Beatnik

- 🕒 1950s - mid-1960s  
📍 United States



———— The 60s ————

🕒 1960s  
📍 Europe and United States



———— Mondrian ————

🕒 1960s  
📍 France



———— Op Art ————

🕒 1960s  
📍 Europe



———— Space Age ————

🕒 1960s  
📍 Europe



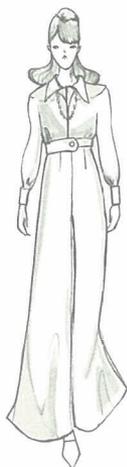
———— Jackie ————

🕒 1960s  
📍 United States



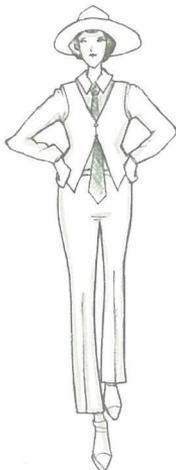
———— Hippie ————

🕒 Mid-1960s  
📍 United States



The 70s

🕒 1970s  
📍 Europe and United States



Annie Hall

🕒 1970s  
📍 United States



Punk

🕒 1970s - 1980s  
📍 England



Lolita

🕒 Late 1970s  
📍 Japan



— 80s Power Dressing —

🕒 1980s  
📍 United States



— Flashdance / Disco —

🕒 1980s  
📍 United States



— Goth —

🕒 1980s  
📍 Europe



— Lingerie  
as outerwear —

🕒 1980s  
📍 Europe



— Modern Equestrian —

🕒 1980s  
📍 Europe



— Kitsch —

🕒 1980s - 1990s  
📍 Europe



— Minimalist —

🕒 1990s  
📍 United States



— Casual Chic —

🕒 1990s - 2000s  
📍 Global

## STYLE BY ETHNIC



Amish

🕒 1690s - Present  
📍 United States



Folklore

brought to high fashion

🕒 1970s  
📍 Europe

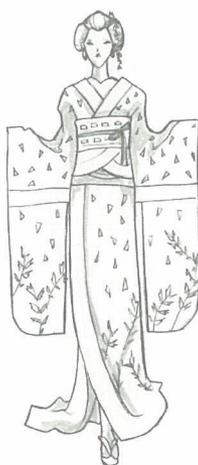


Qipao / Chinese

🕒 1920s - Present  
📍 China

Native American /  
Indian

📍 North America



Kimono / Japanese

📍 Japan



Gypsy / Romani

📍 Europe and  
United States

## MEN'S STYLE



Regency

Beau Brummell

🕒 1790s - 1820s

📍 Japan



Edwardian

🕒 1900s

📍 United Kingdom



Zoot Suit

🕒 1940s

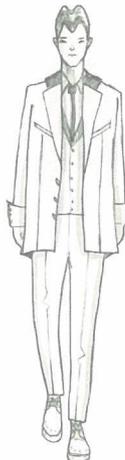
📍 United States



Cowboy

🕒 Mid-20th Century

📍 America



Teddy Boy

🕒 1950s

📍 United Kingdom



Ivy League

🕒 Late 1950s

📍 United States



60s Mod

🕒 1960s  
📍 England



Hippie

🕒 Mid-1960s  
📍 United States



Punk

🕒 1970s - 1980s  
📍 England



80s Heavy Metal

🕒 1980s  
📍 United States



Hip-hop

🕒 1980s  
📍 United States



Grunge

🕒 1990s  
📍 United States

# SILHOUETTE & LINE



A-line



H-line



I-line / Column / Shift



V-line



X-line



Y-line



Curved Line



Empire Line



Princess Line



Asymmetric Silhouette



Ballerina Silhouette



Ballgown Silhouette



Balloon Silhouette



Barrel Silhouette



Bell Silhouette



Bustle / S-bend  
Silhouette



Cocoon  
Silhouette



Fit and Flare /  
Skater Silhouette



Flare and Tight  
Silhouette



Flare and Tube  
Silhouette



Hobble  
Silhouette



Hourglass  
Silhouette



Mermaid  
Silhouette



Off-shoulder  
Silhouette



Peg-top  
Silhouette



Sheath  
Silhouette



Spindle  
Silhouette



Tiered  
Silhouette



Trapeze / Tent  
Silhouette



Trumpet  
Silhouette

I COME FROM A  
DIFFERENT ERA  
AND I DESIGN  
CLOTHES FOR  
OUR ERA. I THINK  
OF PEOPLE I WANT  
TO DRESS WHEN  
I DESIGN.

/ ALEXANDER MCQUEEN

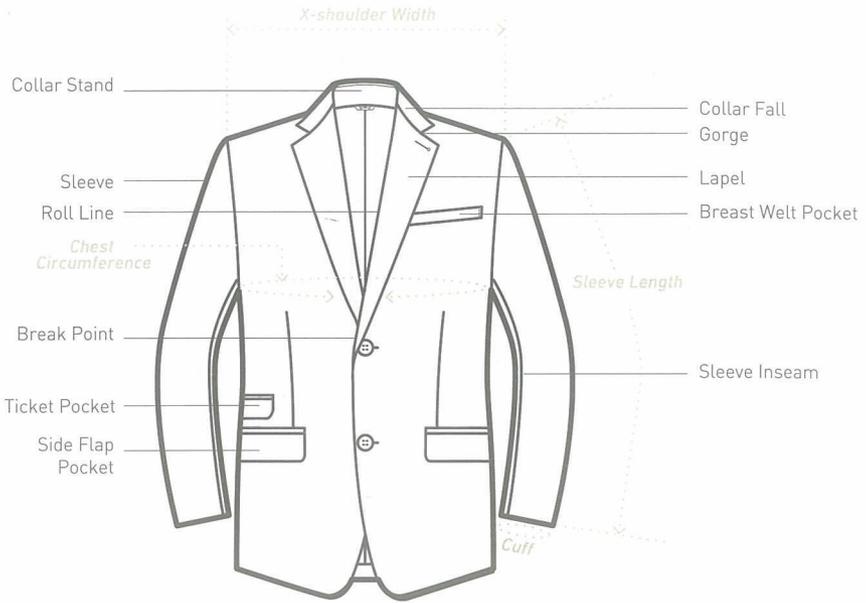


## 2.1 JACKET

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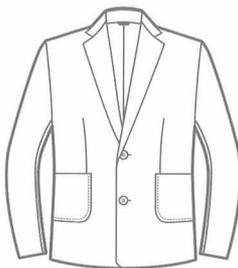
The term *jacket* is derived from the French word *jacquette*, which comes from the Middle French word *jacquet*, meaning a small or lightweight tunic. A jacket is commonly defined as an outer garment for the upper body which reaches the mid-torso. Typically tailored with sleeves and a fastening on the front or slightly towards the side, jackets are generally lighter, more form-fitting and less insulating than coats.

# JACKET DETAILS & MEASUREMENTS





Tailored Jacket  
always with matching pants



Blazer  
without matching pants



Dinner Jacket / Tuxedo  
dinner jacket for Black Tie

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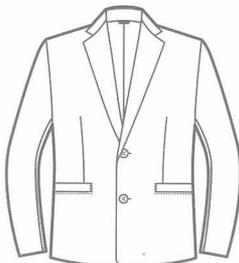
## Dinner Jacket / Tuxedo

(For White Tie)

White Tie, also known as full evening dress, is the most formal of all dress codes in Western menswear tradition. It is typically only worn after 6pm for ceremonial functions, such as presidential dinners, state occasions, evening weddings or very formal balls.



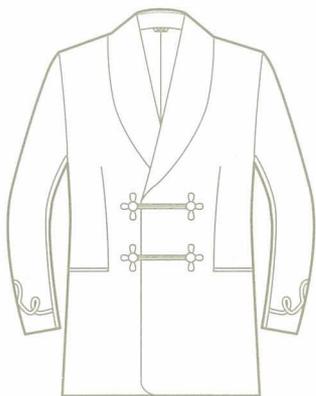
Mess Jacket / Eton Jacket



Single-breasted Jacket



Double-breasted Jacket



## Smoking Jacket

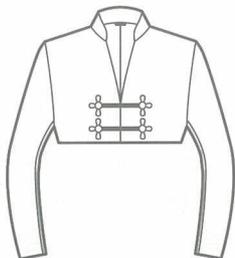
Smoking jackets are designed to be worn while smoking pipes, cigars or cigarettes as a means of catching falling ashes and absorbing the smell of the smoke to protect the clothing underneath. One of the most famous smoking jacket wearers is Hugh Hefner, founder of Playboy magazine. He owns over 200 different smoking jackets / pajama tops that are custom-made for him.



Hunting Jacket



Edwardian Jacket



Spencer Jacket



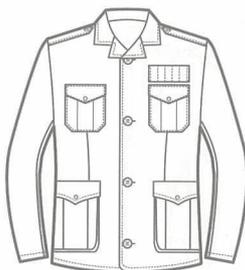
Norfolk Jacket



Monkey Jacket



Horse Riding Jacket /  
Show Jacket /  
Equestrian Jacket



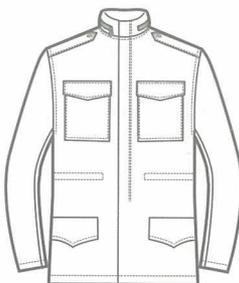
Safari Jacket



Biker Jacket



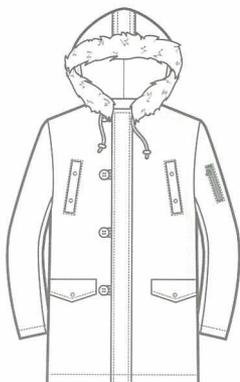
Bomber Jacket



M-65 Field Jacket



ALS/92 Field Jacket Liner  
liner for M-65 Field Jacket



N-3B Flight Parka



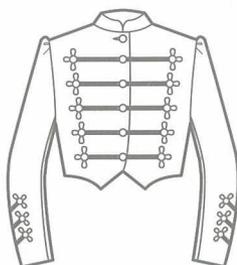
N-2B Flight Jacket



MA-1 Flight Jacket

## Torero Jacket / Matador Jacket / Chaqueta

The traditional clothing worn by Spanish bullfighters in the bullring, the matador jacket is known as the 'traje de luces' in Spanish, meaning 'suit of lights', due to the sequins and shiny gold or silver threads used to embellish the garment. Commonly short and rigid, the chaqueta is enforced with attachments at the upper shoulder, allowing unimpeded movement of the arm. It usually comes in red, black, green, blue or white, but never yellow, which is considered an unlucky color by toreros who are keenly superstitious.



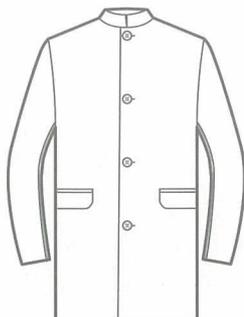
Majorette Jacket



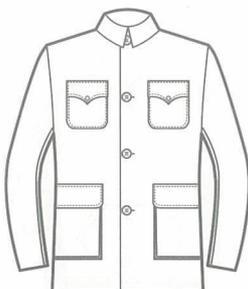
Bolero Jacket



Tyrolean Jacket



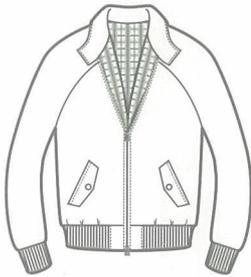
Nehru Jacket



Mao Jacket



Shirt Jacket



Harrington Jacket



Denim Jacket



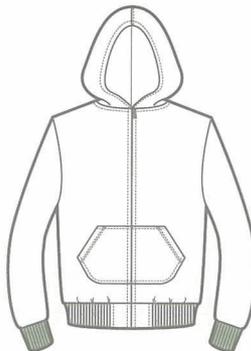
Lumber Jacket

### Letter Jacket / Varsity Jacket / Baseball Jacket

Originating from high school and college traditions in the United States, letter jackets were worn by students to demonstrate school and team pride and to display personal athletic achievements. They are typically adorned with a chenille varsity letter patch on the left chest which usually represents the first letter or initial of the high school or college, hence the name 'letter jacket'.



Windbreaker



Hoodie / Zip-up Jacket



Down Jacket



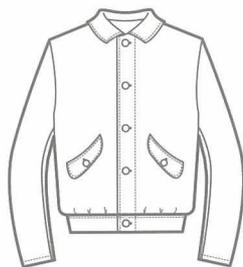
Sleeveless Jacket



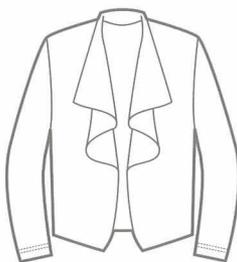
Peplum Jacket



Belted Jacket



Blouson Jacket



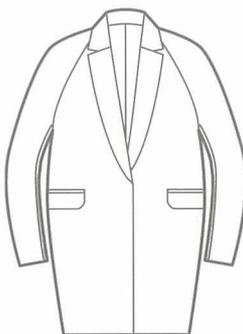
Roomy Jacket



Midriff Jacket / Cropped Jacket



Western Jacket



Cocoon Jacket



Oversized Jacket

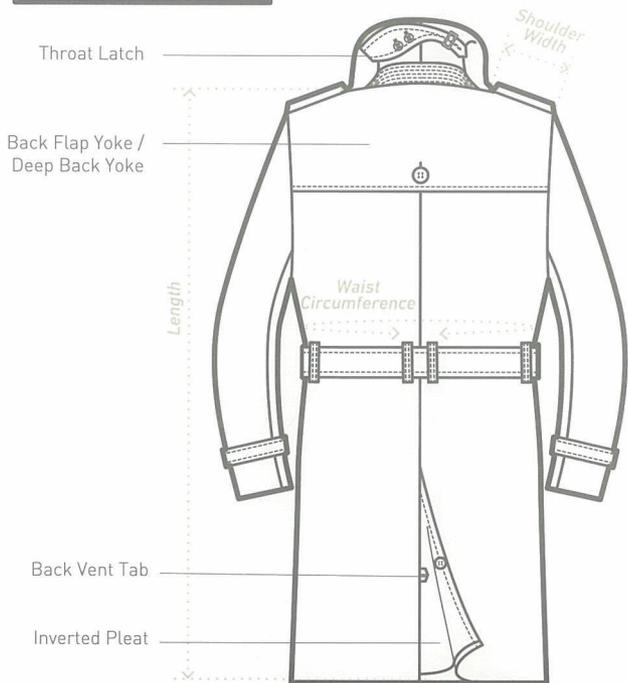
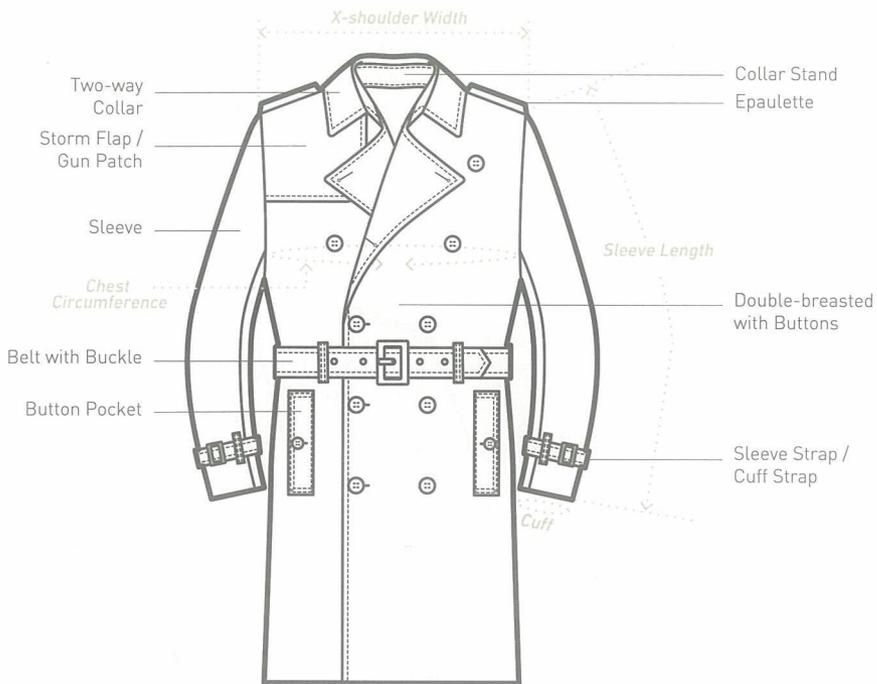
## 2.2

# COAT AND OUTERWEAR

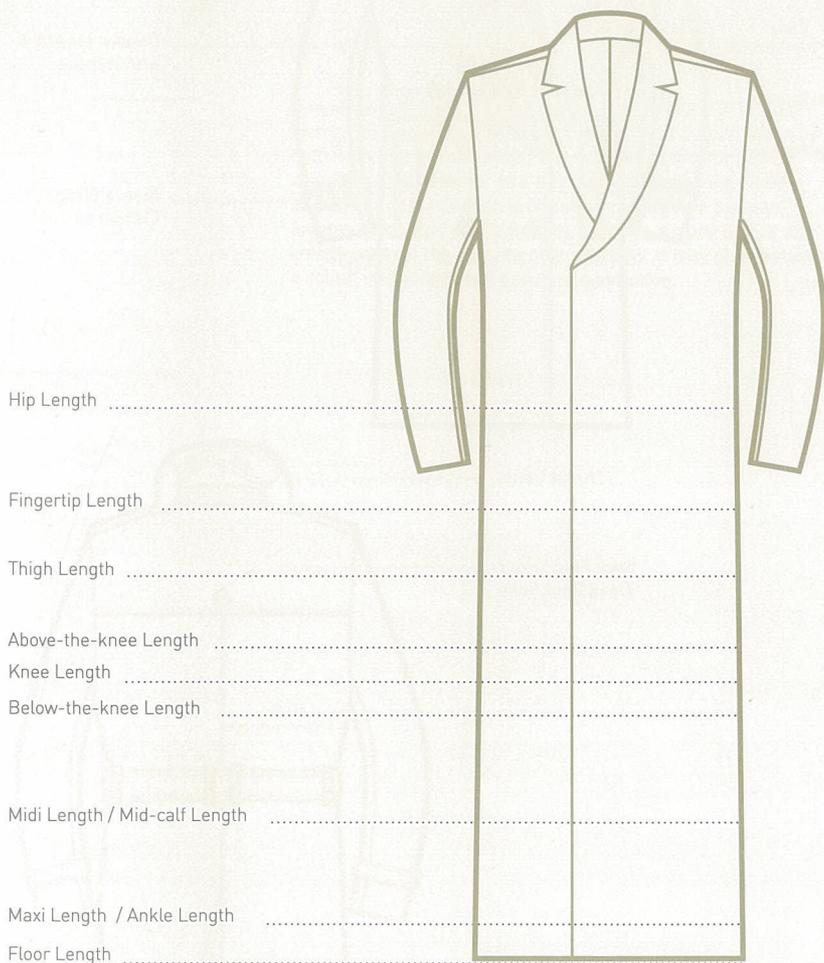
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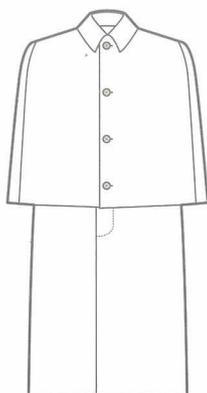
One of the earliest clothing category words found in English history, coats can be traced back to the Middle Ages. Worn by both men and women either for warmth, fashion or both, a coat is typically defined as a long garment with long sleeves and an open front, which is usually fastened with buttons, toggles, hook-and-eye fasteners, a zipper, a waist belt or any combination of the aforementioned items. It may also feature a collar, cuff straps and shoulder epaulettes.

# COAT DETAILS & MEASUREMENTS



## LENGTHS OF COATS





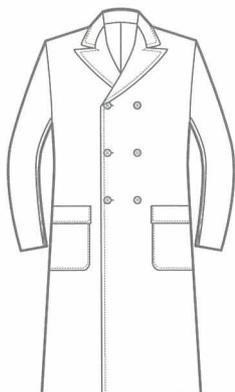
**Inverness Coat**  
no full cape at the back



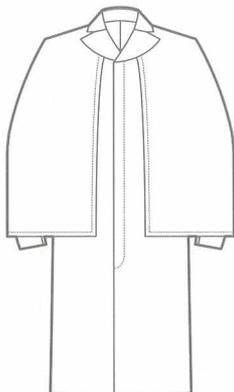
**British Warm Overcoat**  
originally made from  
fleece-like Melton cloth

## Chesterfield Coat

A long and tailored overcoat often with a velvet collar, the Chesterfield coat was introduced alongside the lounge suit as an alternative option to highly structural coats, such as the frock overcoat, which heavily suppress the waist with its waist seam.



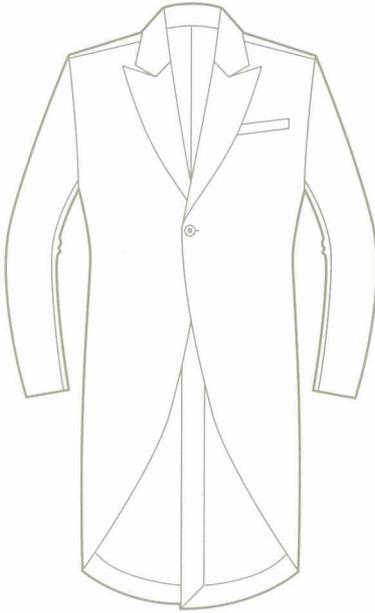
**Polo Coat**  
originally made from camel hair



**Ulster Coat**  
the cape was removed after the Edwardian period, often double-breasted

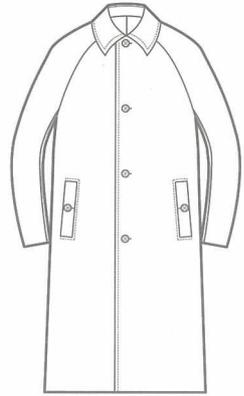


**Ulsterette**  
a lightweight version  
of Ulster Coat

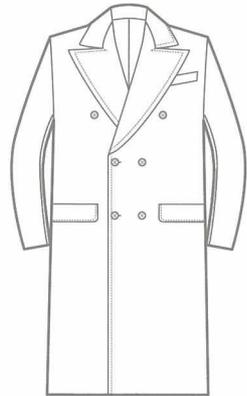


### Morning Coat

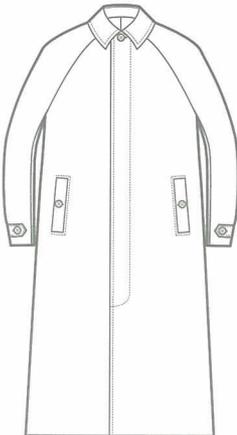
The formal dress code for daytime, the morning coat was traditionally worn by gentlemen in the 19th century during morning horseback riding exercises, from which it got its name.



Balmacaan  
made from rough woolen cloth



Guards Coat  
has a half belt at the back



Mackintosh Raincoat  
made from rubberized or  
rubber laminated material



Frock Coat



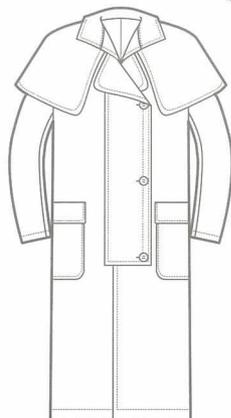
Redingote



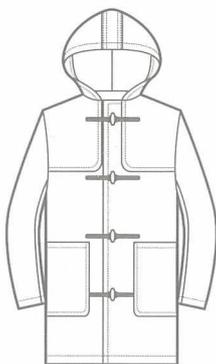
Full Trench Coat



Clutch Coat



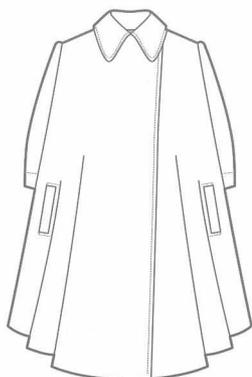
Duster Coat

Slicker Coat /  
Sou'wester Coat

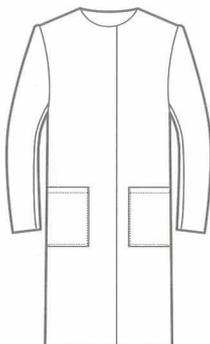
Duffle Coat



Skating Coat



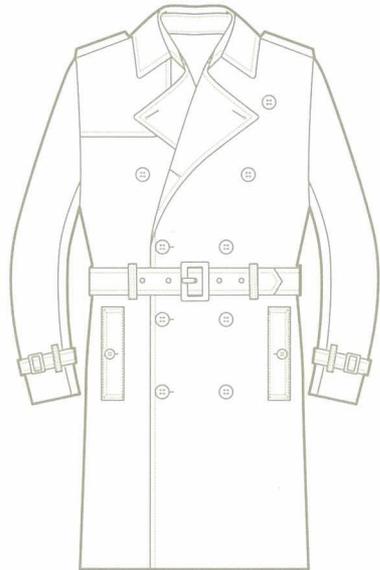
Tent Coat



Straight Coat



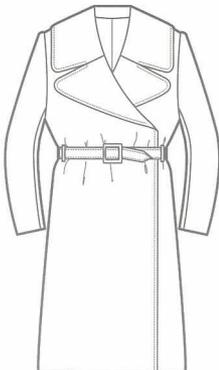
Princess Line Coat



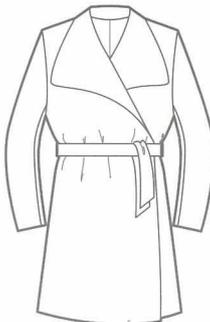
## Trench Coat

Originally invented by the British for military purposes, the trench coat became a popular item of clothing after it was introduced to the public post World War I, and was subsequently revolutionized by the British luxury fashion house Burberry. Thomas Burberry, British clothier and founder of Burberry, developed a type of novel wool material called gabardine,

which is rip-resistant, virtually creaseproof and processed chemically to be water-repellent, yet remains porous and offers good ventilation for cool and comfortable wear. Gabardine was first used in Burberry trench coats which have since then become a fashion classic.



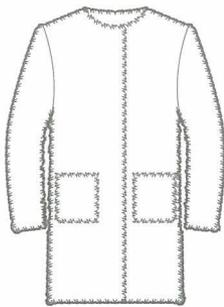
Belted Coat



Wrap Coat



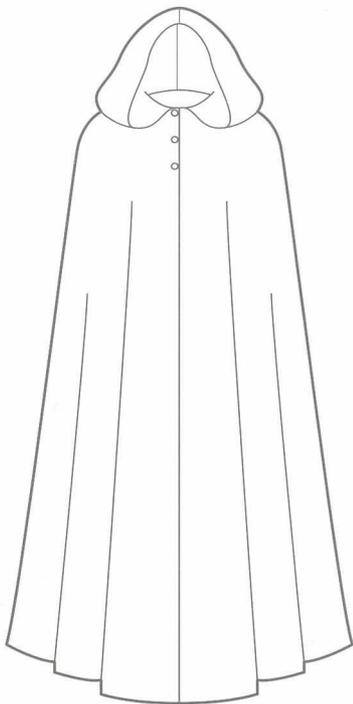
Cocoon Coat



Teddy Bear Coat / Fur Coat

Reefer Coat  
for officers only and usually has gold  
buttons and epaulettes

Pea Coat



Cloak



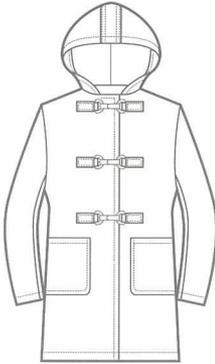
Cape Coat / Mantle Coat



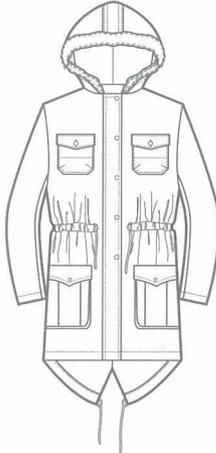
Poncho



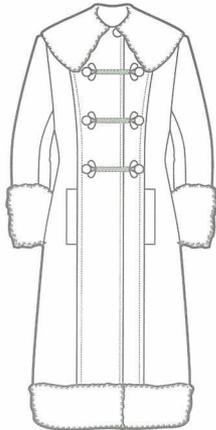
Car Coat



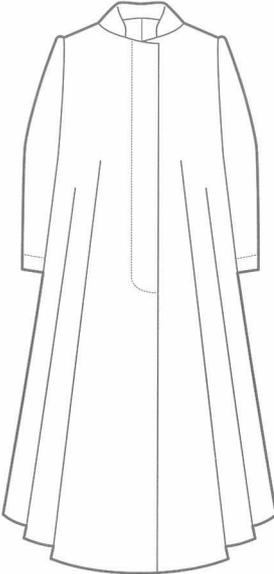
Clasp Coat



Parka



Cossack Coat



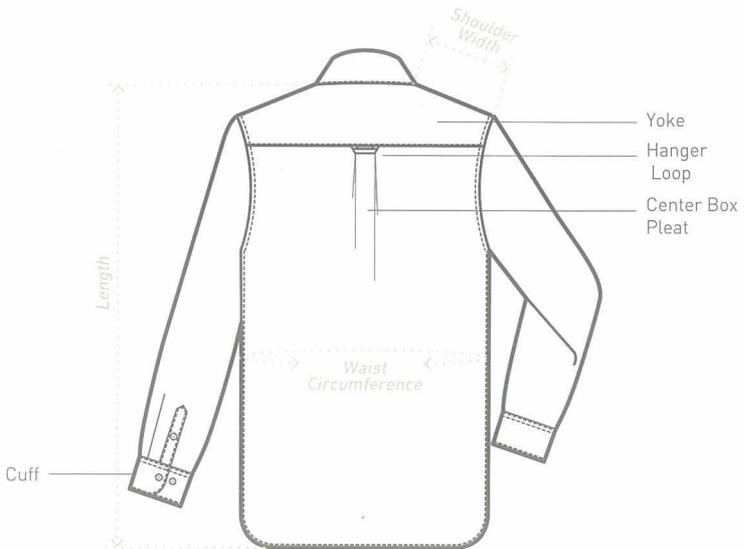
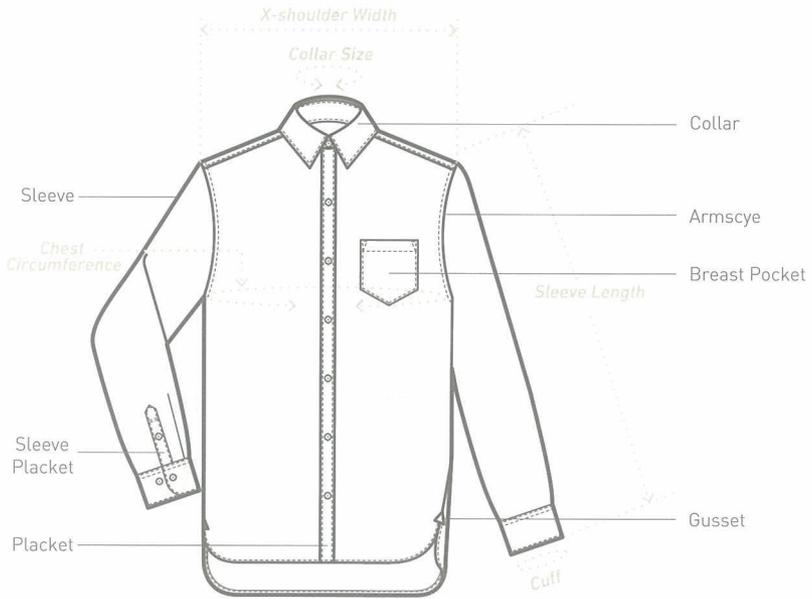
Opera Coat

## 2.3 SHIRT

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The oldest preserved item of clothing in the world is a linen shirt found in a First Dynasty Egyptian tomb at Tarkan, tracing back to around 3000 BC. Even as recent as the late 19th century, it was still considered improper in Western dress code to wear a shirt on its own with nothing on top of it.

## SHIRT DETAILS & MEASUREMENTS



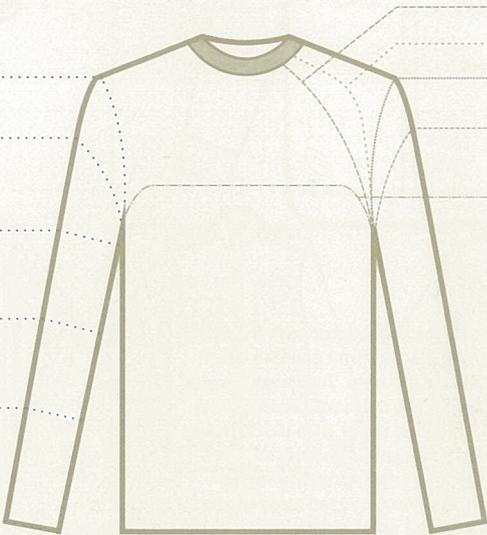
# TYPES OF SHIRT SLEEVES

## SLEEVE LENGTHS

- Sleeveless .....
- Cap Sleeve .....
- Short Sleeve .....
- Elbow-length Sleeve .....
- Three-quarter Sleeve .....
- Wrist-length Sleeve .....

## TYPES OF SLEEVES

- Raglan Sleeve
- Epaulet Sleeve
- Set-in Sleeve
- Dropped-shoulder Sleeve
- Yoke Sleeve



## WOVEN SHIRTS



### Button-down Shirt

A button-down shirt is typically tailored with a collar and a full-length button placket front opening which extends from the collar to the hem. Traditionally worn by grown-up or young males, it became an accepted category of women's clothing in the mid-1800s and is nowadays worn by both genders. Although 'button-down' actually only applies to shirts with a button-down collar, the term is often confused and misused as a generic reference to all dress shirts.



Shirt



Cleric Shirt



Ascot Shirt



Pullover Shirt



Dress Shirt / Tuxedo Shirt



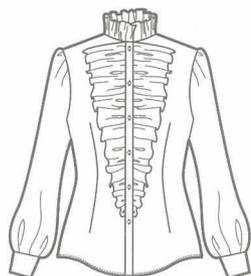
Epaulette Shirt



Fitted Shirt



Open Collar Shirt



Habit Shirt



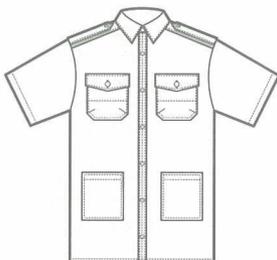
Military Shirt



Western Shirt



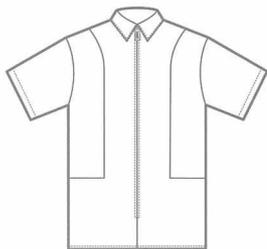
Camp Shirt



Work Shirt



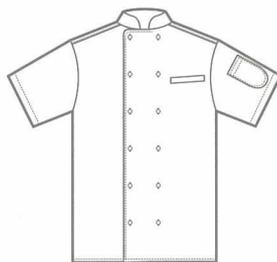
Guayabera Shirt



Zip Front Shirt



Clergy Shirt



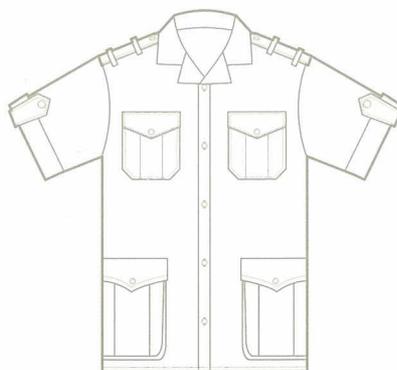
Baker's Shirt



Cavalry Shirt



Middy Shirt



## Safari Shirt

A variation of the safari jacket (also known as a bush jacket), the safari shirt was originally intended for wear during African bush safaris, subsequently popularized by Ernest Hemingway in the 1950s and becoming an item of mainstream casual clothing. Designed with many pockets, which can be used for carrying film, lenses, flashes and various small photographic equipment, the safari shirt is especially popular amongst photographers.



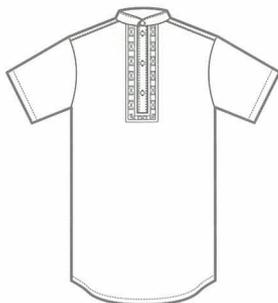
Pilot Shirt



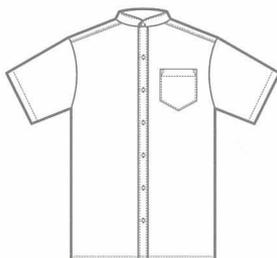
Bowling Shirt



Baseball Shirt



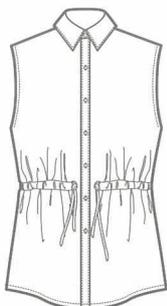
Kurta Shirt



Nehru Shirt



Trapeze Shirt



Drawstring Shirt

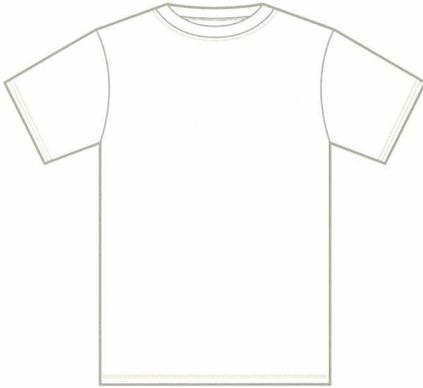


Wrap Shirt



Tie Waist Shirt

## JERSEY SHIRTS



### T-Shirt

T-shirts were first issued by the U.S. Navy as undergarments sometime between the 1898 Spanish-American War and 1913. Veterans were commonly spotted wearing T-shirts with their uniform trousers as casual outfits after World War II. They were popularized by Marlon Brando, who wore one in the movie *A Streetcar Named Desire* in 1951, consequently cementing their status as fashion garments.



Raglan T-shirt /  
Baseball T-shirt



American Football T-shirt



Rugby Shirt



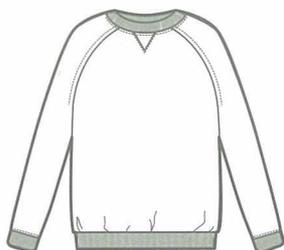
Polo Shirt



Zip Polo Shirt



Double T-shirt



Sweatshirt



Henley Shirt



Cropped T-shirt



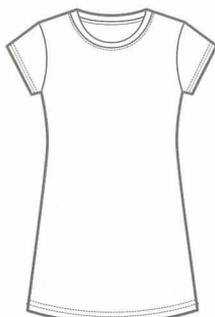
One-shoulder T-shirt



Sailor Shirt / Basque Shirt



Draped T-shirt



Tunic T-shirt



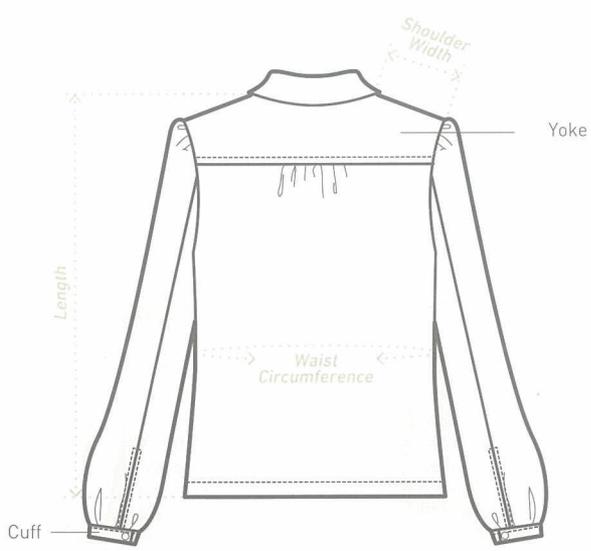
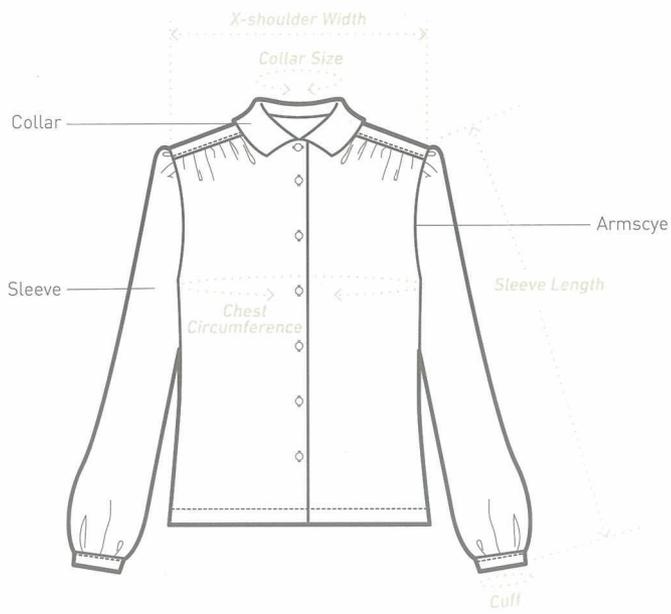
Tunic Polo Shirt

## 2.4 BLOUSE AND OTHER TOPS

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A blouse is a type of loose-fitting garment for the upper body, conventionally gathered at the waist for a loose-hanging silhouette. Formerly referring to the traditional style worn by peasants, workmen, artists, women and children, the term nowadays broadly applies to women's or girls' dress shirts, and can occasionally describe loose-fitting men's shirts.

# BLOUSE DETAILS & MEASUREMENTS





Basic Blouse



Tuxedo Blouse



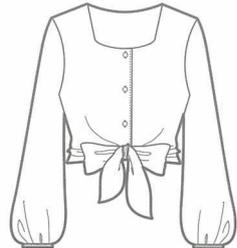
Peasant Blouse



Tie Neck Blouse / Bow Blouse



Tie Waist Blouse



Sash Blouse



Drawstring Blouse



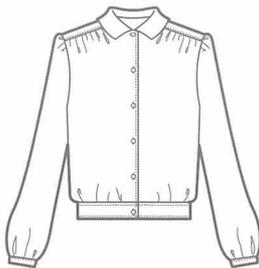
Pullover Blouse



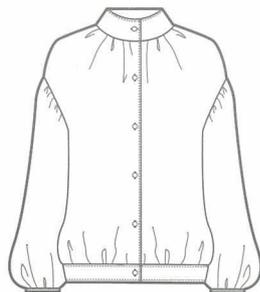
Surplice Blouse



Peplum Blouse



Blouson Blouse



Balkan Blouse

Off-the-shoulder Blouse /  
Bardot Blouse

Smock Blouse



## Poet Blouse

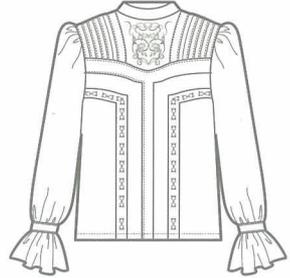
Cut with a loose fit with billowy full bishop sleeves, the poet blouse is usually adorned with large ruffles at the collar, front and cuffs. Also dubbed the 'pirate shirt', it is often matched with accessories or items of clothing traditionally associated with pirates, such as a wide belt. When the *Pirates of the Caribbean* adventure movie series was first released in 2003, poet blouses became a core theme of the wave of pirate-related fashion trends that ensued.



Midriff Blouse



Mandarin Blouse



Victorian Blouse



Jabot Blouse

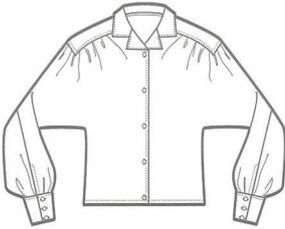


### Gibson Blouse

The Gibson blouse is styled with gathered puff sleeves, pleats at the shoulder and a gathered back yoke to help create a curvy silhouette. It was named after the 1900s style icon, Gibson Girl, which was created by artist Charles Gibson. Gibson Girl came to represent the American beauty of the time. When paired with a bustled walking skirt, a full upswept hairdo and a large touring hat, it epitomizes the Gibson Girl style.



Prairie Blouse



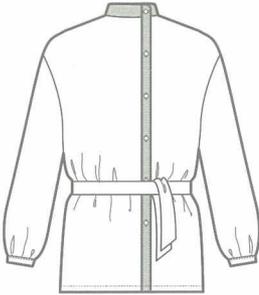
Gaucho Blouse



Pirate Blouse



Belted Blouse



Cossack Blouse



Over Blouse



Tunic Blouse

## OTHER TOPS



Tank Top



Ballet Top / Wrap Top



Halterneck Top



Shell Top



Camisole



Off-the-shoulder Top /  
Bardot Top



Cold-shoulder Top



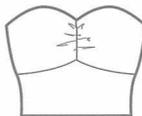
One-shoulder Top



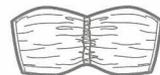
Cropped Top / Midriff Top



Bra Top / Brassiere Top /  
Sports Bra / Athletic Bra



Tube Top



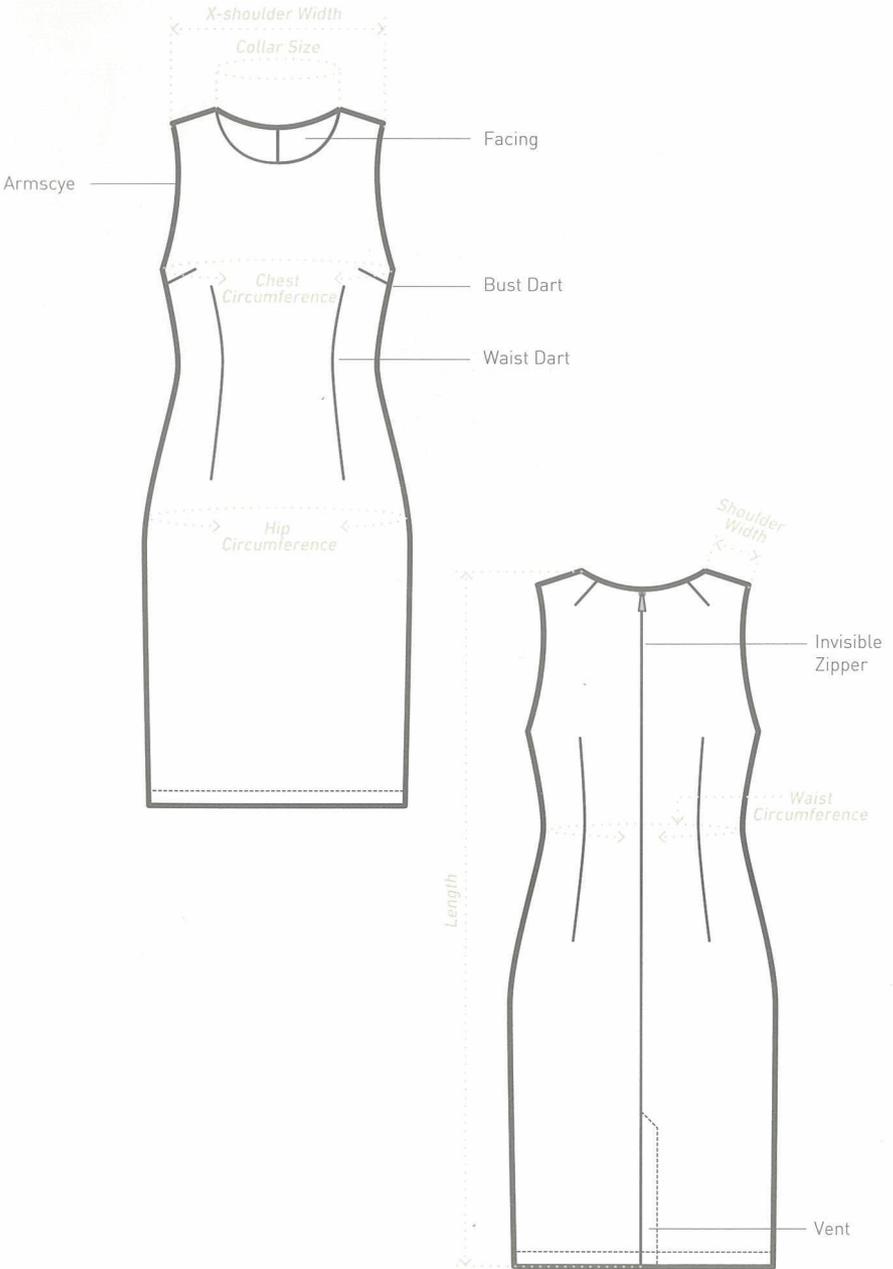
Bandeau Top

## 2.5 DRESS

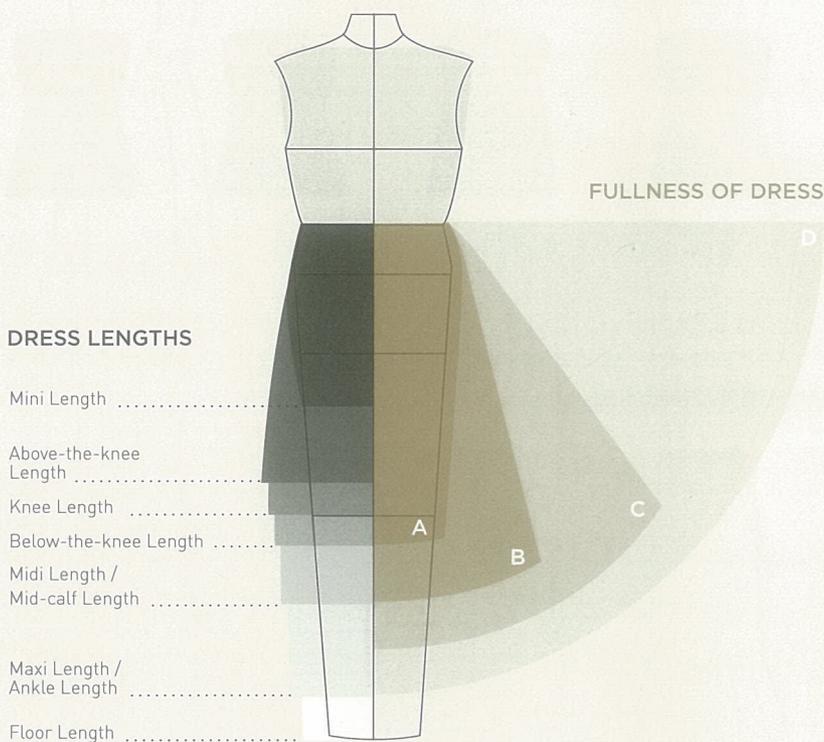
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A dress is an item of clothing comprising a bodice and an attached skirt, the hemline of which may vary depending on the fashion trend, occasion, and the wearer's modesty or personal preference. In traditional Western culture, dresses are more commonly worn by females, and a style-appropriate dress is often a mandatory part of Western formal dress codes for women. Dresses are popular for special occasions, such as weddings, balls or proms, for which they are considered the de facto standard female attire.

# DRESS DETAILS & MEASUREMENTS



## LENGTHS AND FULLNESS OF DRESS



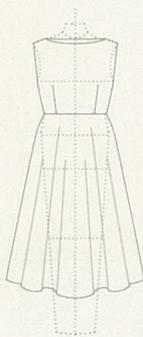
### FULLNESS OF DRESS



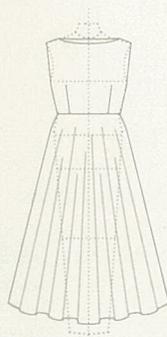
A Pencil Dress



B A-line Dress



C Semi-circular Dress



D Circular Dress

## WAISTLINE TYPES



Natural Waistline



Empire Waistline

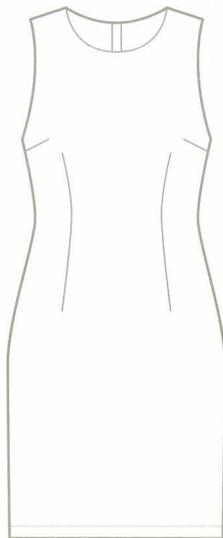


Dropped Waistline



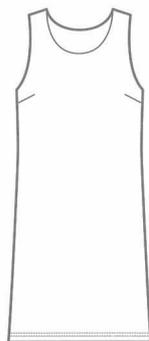
Basque Waistline

## WOVEN DRESSES



### Sheath Dress

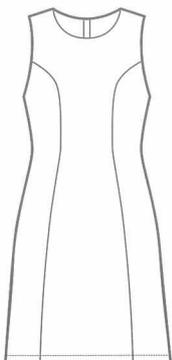
A sheath dress is a relatively unembellished dress that fits closely to the body contours, typically of knee length or lower-thigh length as opposed to many cocktail dresses and longer ballroom gowns.



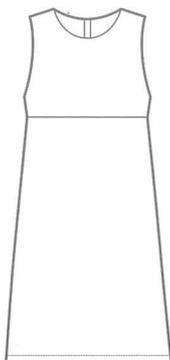
Shift Dress / Chemise Dress



A-line Dress



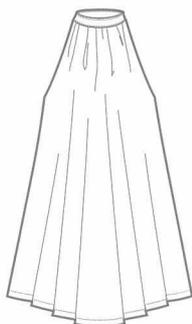
Princess Line Dress



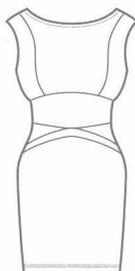
Empire Line Dress



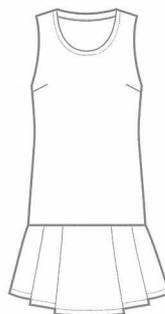
Strap Dress



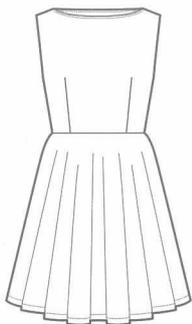
Trapeze Dress / Tent Dress



Bodycon Dress



Dropped Waist Dress



Flared Dress / Skater Dress



Tiered Dress



Slip Dress



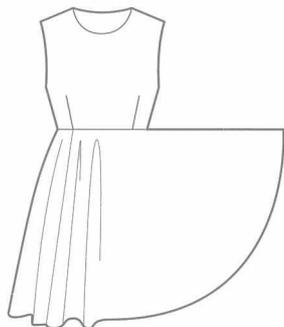
Tube Dress /  
Strapless Dress



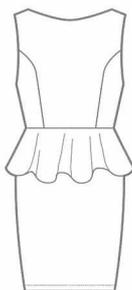
Halterneck Dress



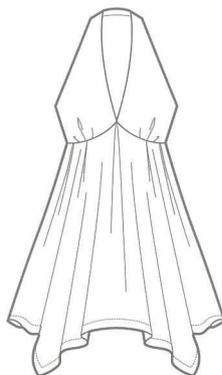
Pinafore Dress /  
Apron Dress



Circular Dress



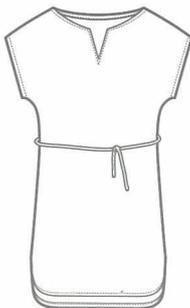
Peplum Dress



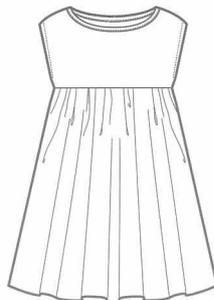
Handkerchief  
Hem Dress



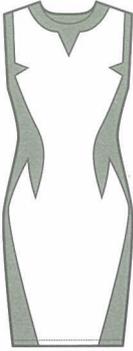
Sack Dress



Tunic Dress



Babydoll Dress



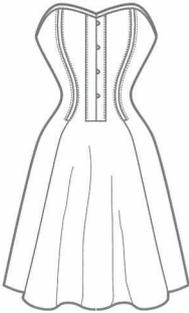
Panel Dress /  
Hourglass Dress



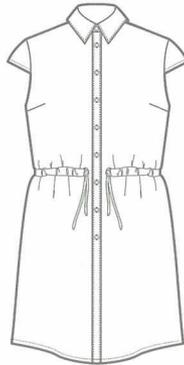
Off-the-shoulder Dress /  
Bardot Dress



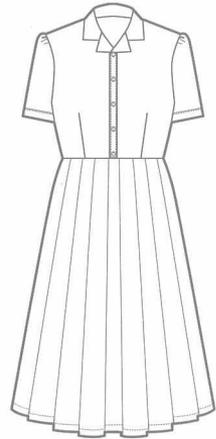
Coat Dress



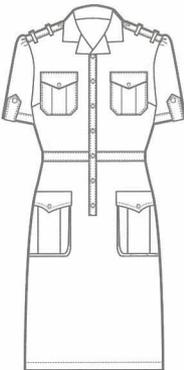
Corset Dress



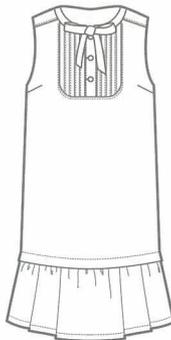
Shirt Dress



House Dress



Safari Dress



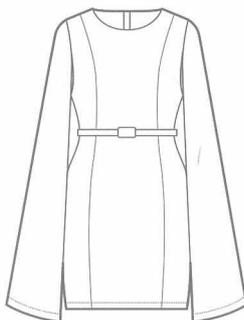
Bib Dress



Bubble Dress



Smock Dress

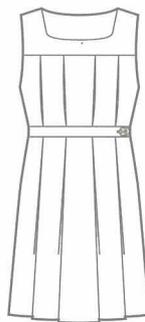


Cape Dress



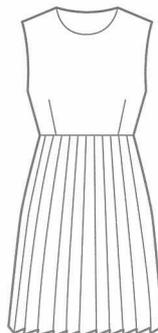
## Tutu Dress

Worn for ballet performances, a tutu dress consists of a basque and a skirt of single or multiple layers.

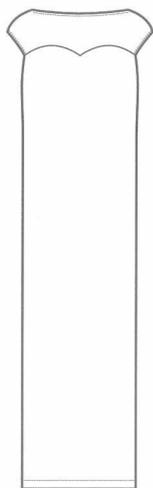


Gymslip

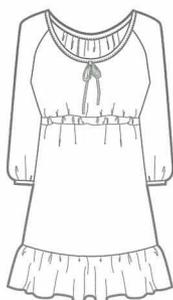
commonly seen as part of a girl's school uniform



Pleated Dress



Column Dress



Peasant Dress



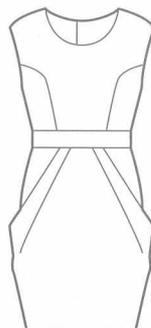
Sundress



Sailor Dress



Bustier Dress



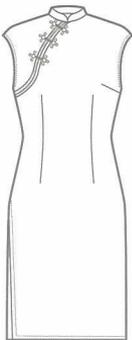
Tulip Dress



Kaftan Dress



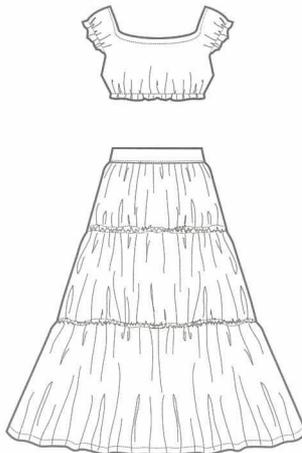
Petal Dress



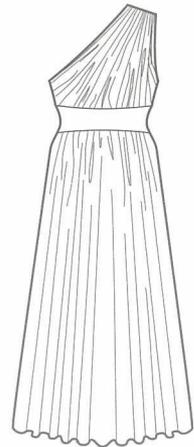
Qipao / Cheongsam

## Ball Gown

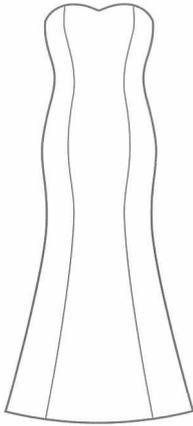
Traditionally a floor-length dress with a full skirt, ball gowns are the most formal social occasion attire for women and can be traced back to the Regency era. Constructed from luxurious textiles with delicate and exotic trimmings, it usually features a cut-off-the-shoulder décolleté neckline.



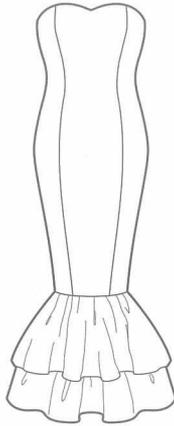
Gypsy Dress



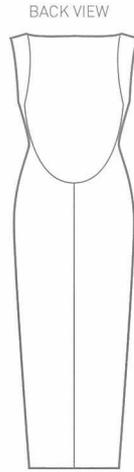
One-shoulder Dress



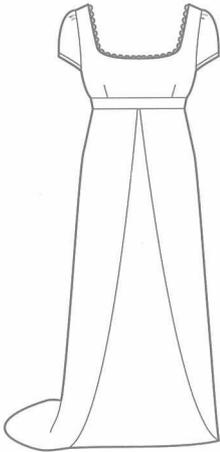
Trumpet Dress



Mermaid Dress



Backless Dress

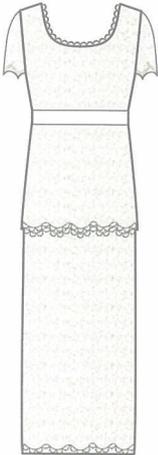


Regency Dress



## Crinoline

Traditionally a stiffened petticoat or a stiff skirt-shaped steel structure, the crinoline was designed to be worn under the outer skirt to support its shape or to give it the defined silhouette desired. Nowadays, crinolines are usually worn as part of formal attire, such as wedding gowns or evening dresses, and the modernized version is usually constructed from multiple layers of rigid net or mesh, with flounces for skirt extension and occasionally with a plastic or nylon frame.



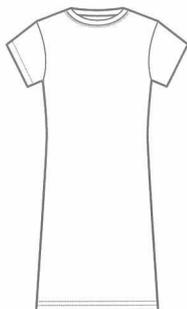
Edwardian Dress

SIDE VIEW



Bustle Dress

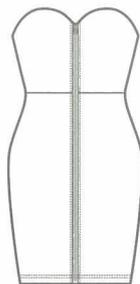
## KNIT DRESSES



T-shirt Dress



Tank Dress



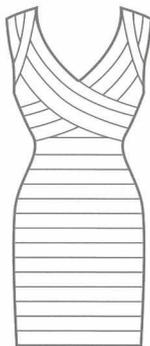
Zip-up Dress

## Figure Skating Dress

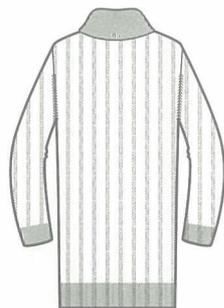
Resembling regular street clothing before the 1920s, ice skating attire has since developed alongside the invention of stretch materials such as Lycra, and it has become a modern-day standard for figure skating fashion to be heavily embellished with crystals. When done perfectly, a skating dress synergizes artistry, comfort and movement, adding to the total experience of the ice skating performance by embodying the wearer's athletic prowess and cultural identity.



Wrapover Dress



Bandage Dress



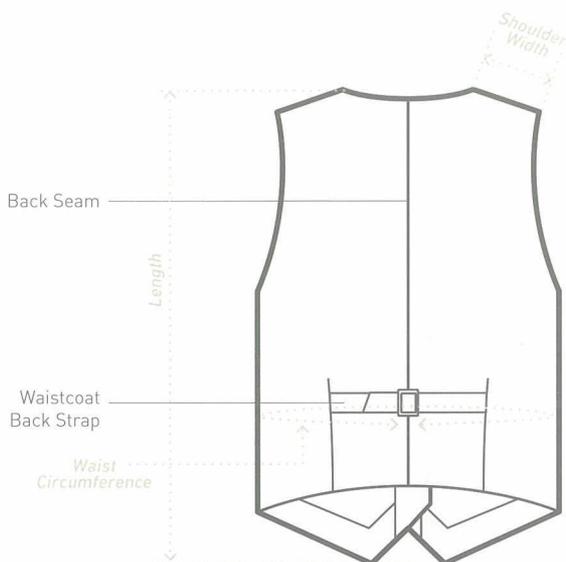
Sweater Dress

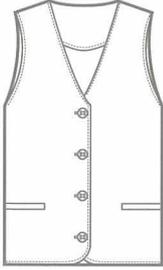
## 2.6 VEST

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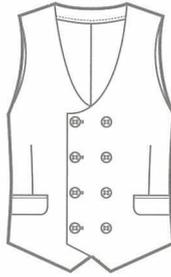
A type of sleeveless upper-body garment that is usually worn by men beneath a coat or jacket, the vest (called a waistcoat in British English) is thought to be first popularized by King Charles II of England, who declared it a part of proper dress during the Restoration of the British monarchy. Its name originated from the French term *veste*, meaning 'jacket / sport coat,' the Italian word *vesta* / *veste*, meaning 'robe / gown' and the Latin word *vestis*.

## VEST DETAILS &amp; MEASUREMENTS





Button Front Vest



Double-breasted Vest



Lapelled Vest

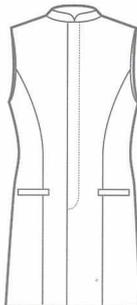
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## Waistcoat

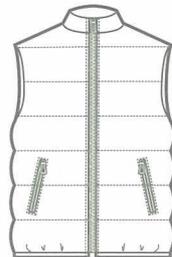
Known as a 'waistcoat' in the UK and Commonwealth countries and a 'vest' in the US and Canada, it is typically worn as the third piece of a lounge suit in formal dress. Tailored with a full vertical front opening fastened with buttons or snaps, waistcoats are available in both single-breasted and double-breasted styles, with single-breasted ones being more common, though this is not definitive of the formality of the attire.



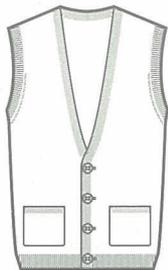
Short Vest



Long Vest



Down Vest /  
Puffer Vest



Cardigan Vest

Pullover Vest /  
Sweater Vest

Tennis Vest

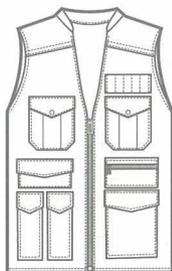


Hooded Vest

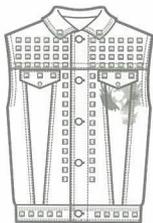


### Halter Vest / Piqué Vest

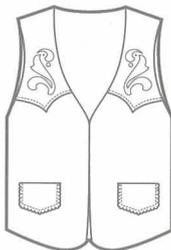
Made from textured woven piqué, the halter vest is a backless garment that is fully adjustable at the back of the neck and waist. It is a key component of white tie formal attire, which includes a tailcoat (dress coat), uncuffed formal trousers with braids on the outer legs, a white piqué vest (waistcoat), a white piqué front or plain starched wing collar dress shirt, black patent leather court shoes and accessories.



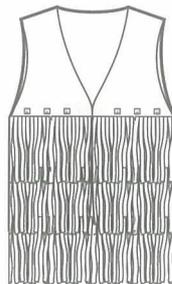
Safari Vest



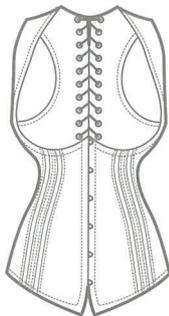
Punk Vest



Western Vest



Hippy Vest



Corset Gilet



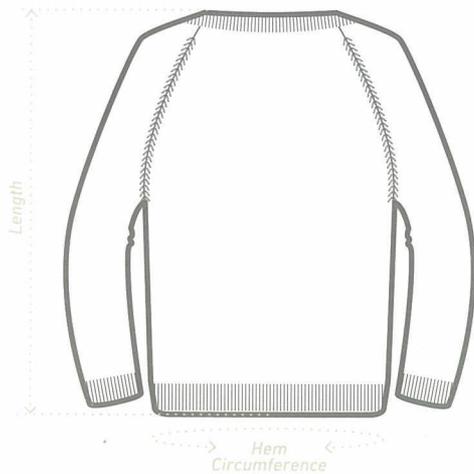
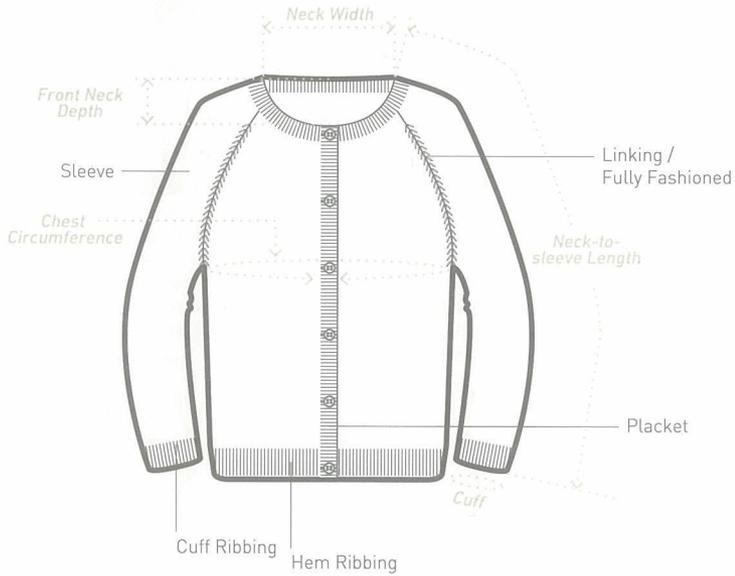
Bodice Vest

## 2.7 SWEATER AND CARDIGAN

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A knitted item of clothing that generally covers the upper body and arms, a sweater (American English) was traditionally made from wool, while modern-day variations may be made from cotton, synthetic fibers or any combination of the aforementioned materials. It can either be a pullover or a cardigan. Pullovers are pulled on over the head, while cardigans are open at the front, usually with a button placket and sometimes with a zip closure.

## CARDIGAN DETAILS & MEASUREMENTS



## SWEATERS



Crew Neck Sweater



Round Neck Sweater



V-neck Sweater



Henley Neck Sweater



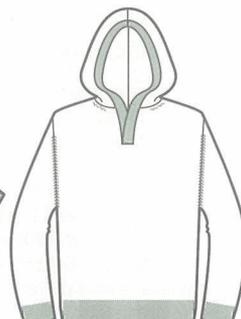
Waisted Sweater



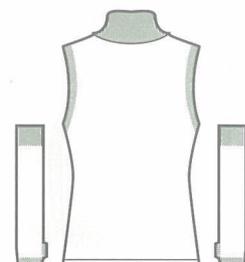
Cropped Sweater

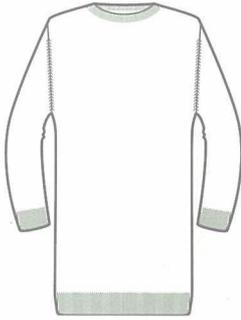


Batwing Sleeve Sweater



Hooded Sweater

Sleeveless Sweater  
with Gauntlets



Tunic Sweater



Polo Sweater



Zip-up Sweater



Cable Sweater /  
Aran Sweater /  
Fisherman Sweater



### Lopapeysa / Icelandic Sweater

The Icelandic sweater, also known as 'lopapeysa' in Icelandic language, is a type of sweater that originated from Iceland around or before the 1950s. During that period, imported clothing started to take over more traditional Icelandic garments, so locals began developing new ways to make use of the abundant supply of native wool. The patterns on lopapeysas are believed to be inspired by Greenlandic women's costumes and traditional textile patterns from Sweden, Turkey and South America.



Guernsey Sweater



Fair Isle Sweater



Tyrolean Sweater

Lusekofte Sweater /  
Norwegian Sweater

### Cowichan Sweater / Mary Maxim Sweaters

Popular amongst local British Columbians and tourists, Cowichan sweaters are fashioned using a form of knitting called Cowichan knitting, developed by the Cowichan natives of southeastern Vancouver Island in British Columbia. Heavy-knit and distinctively patterned in a variety of geometric, fish, whale, animal and bird motifs, Cowichan sweaters are always handknit using thick, handspun, one-ply natural-colored yarn in two to three colors, typically black, grey and cream. The resulting garment is warm, bulky and heavier than typical Scottish counterparts, such as Fair Isle and Shetland garments, which are knit from lightweight two-ply multi-color dyed yarn.



Cricket Sweater



Ribbed Sweater



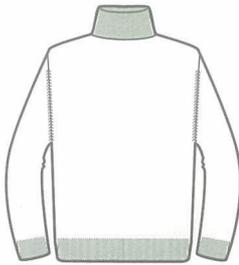
Argyle Sweater



Intarsia Sweater



Cable Knit Sweater



Turtleneck Sweater



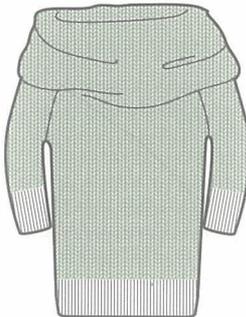
Army Sweater



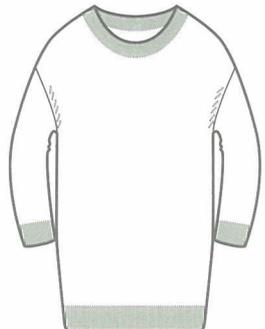
Poncho Sweater



Sailor Sweater



Chunky Sweater



Oversized Sweater

## CARDIGANS



Round Neck Cardigan



V-neck Cardigan



Zip-up Cardigan



Cropped Cardigan



Shawl Collar Cardigan



Wrap Cardigan



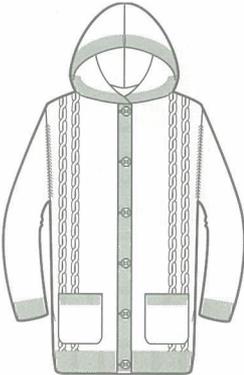
Faux Fur Shrug



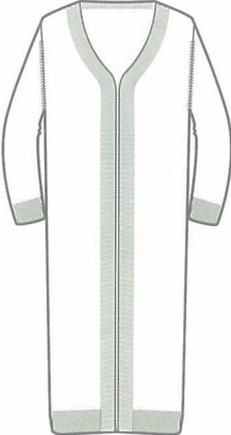
Shrug / Bolero Cardigan



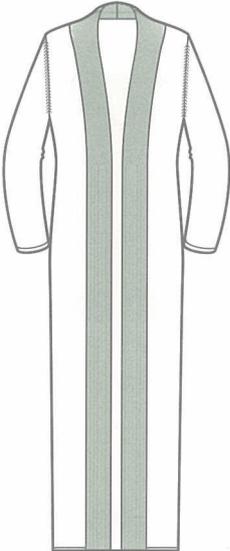
Ballet Cardigan



Hooded Cardigan



Midi Cardigan



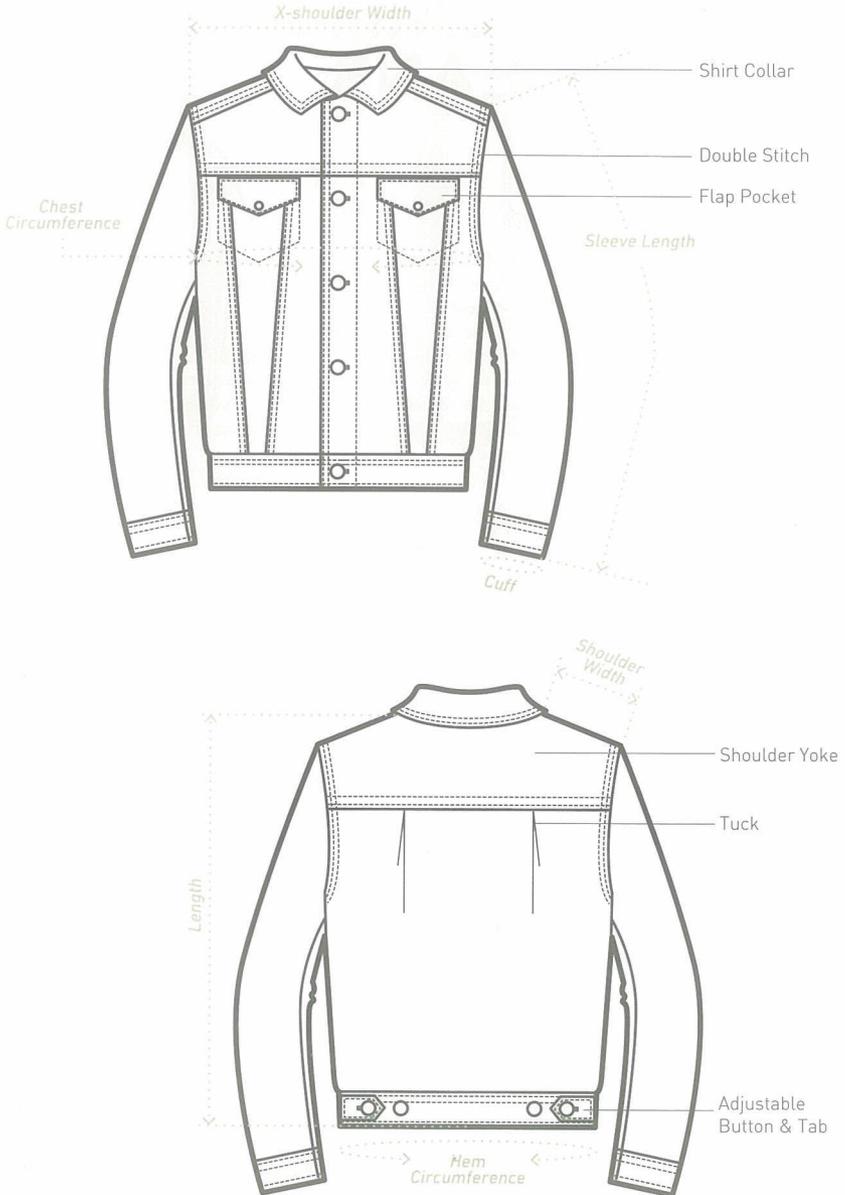
Maxi Cardigan

## 2.8 DENIM AND JEANS

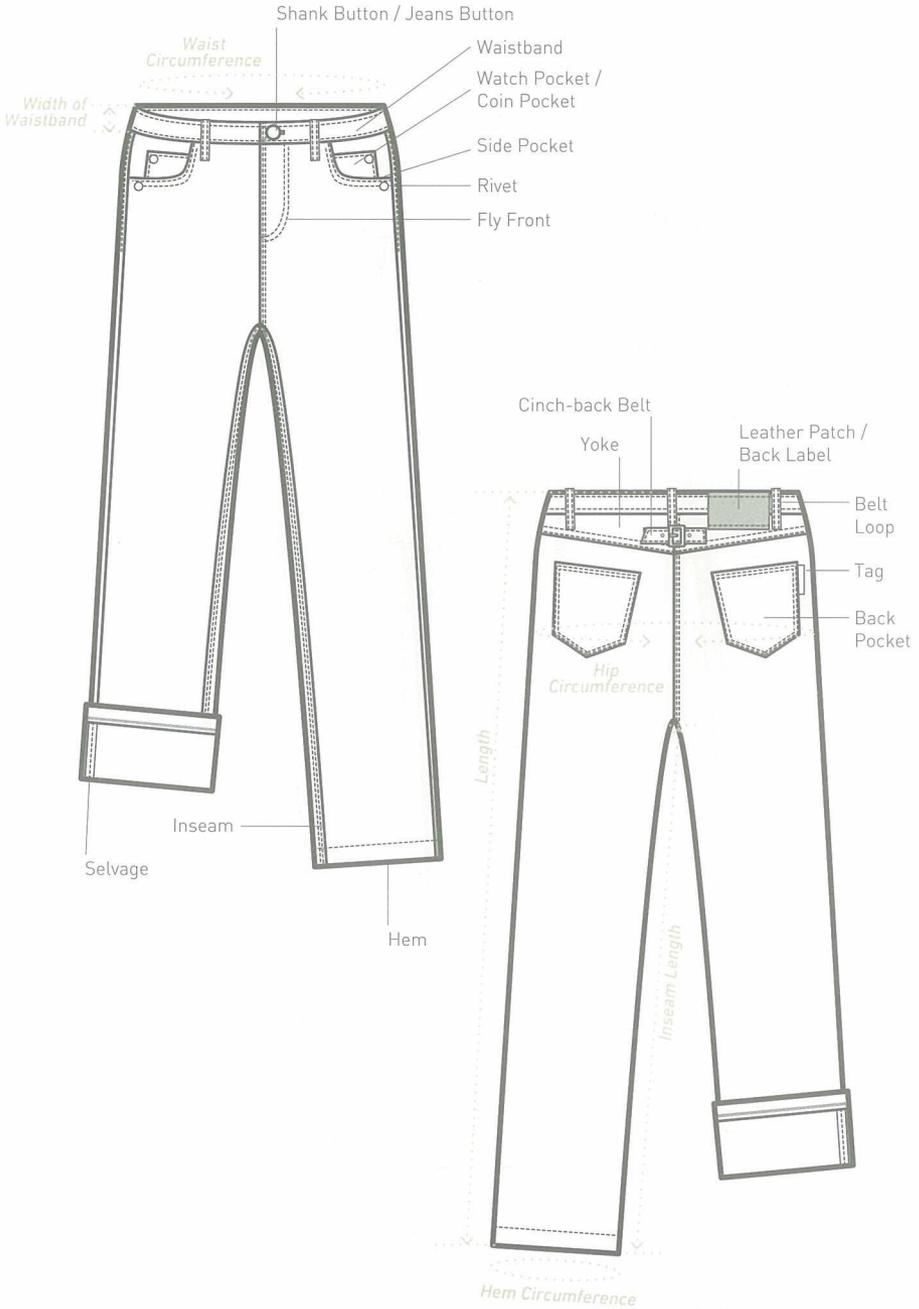
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Known for its strong and durable qualities, denim is a cotton warp-faced twill fabric woven by passing the weft under two or more weft threads. Most indigo denim is customarily dyed only on the warp threads and uses undyed, plain white weft threads, thus displaying a visible blue color on the warp-dominant side of the fabric, while the reverse retains the white color of the weft threads as a result of warp-faced twill weaving. Jeans are generally defined as trousers made of denim or dungaree cloth.

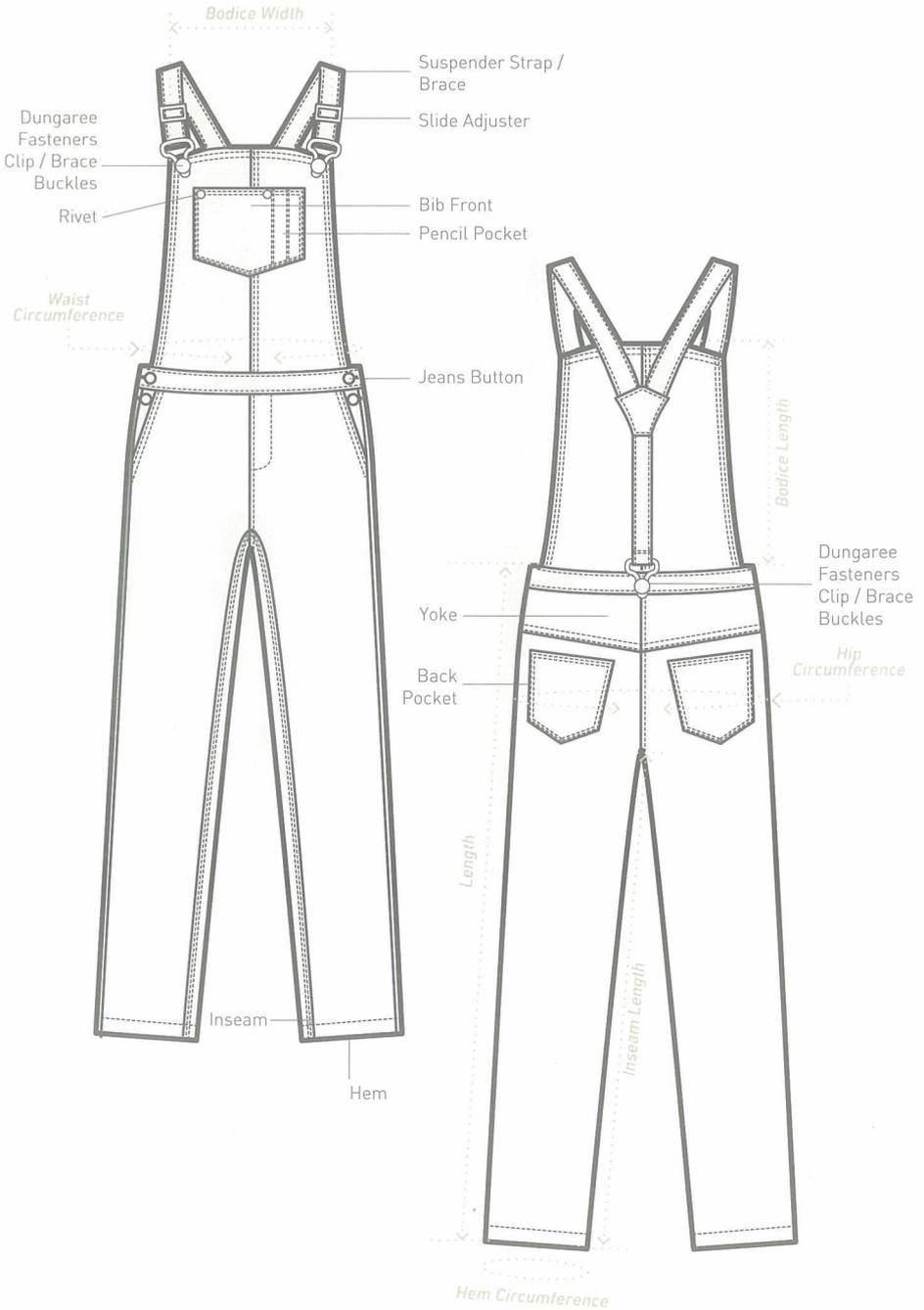
## DENIM JACKET DETAILS & MEASUREMENTS



## JEANS DETAILS &amp; MEASUREMENTS



# DUNGAREES DETAILS & MEASUREMENTS





Standard Denim Jacket



Stormrider Jacket



Sherpa-lined Denim Jacket



Cropped Denim Jacket



Denim Shirt



Denim Bustier



Denim Corset



Denim Skirt



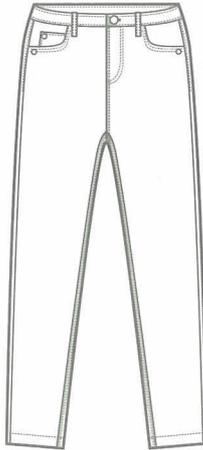
Denim Shorts

## Straight Jeans

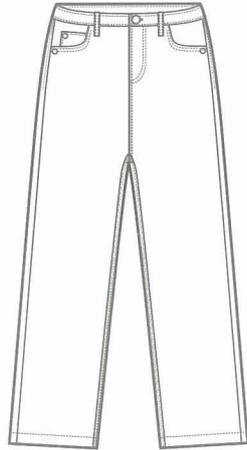
In 1871, Jacob Davis invented blue jeans and jointly patented the design with Levi Strauss in 1873. Levi Strauss & Co. also trademarked the orange thread used for stitching their jeans, which serves as a brand-distinctive feature as well as matching the color of the copper rivets. Originally designed for cowboys and miners in the 1950s, jeans have become a fashion staple nowadays, with approximately 450 million pairs sold every year in the United States alone.



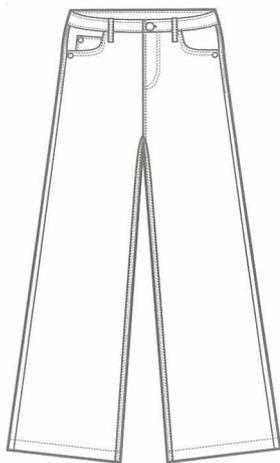
Skinny Jeans



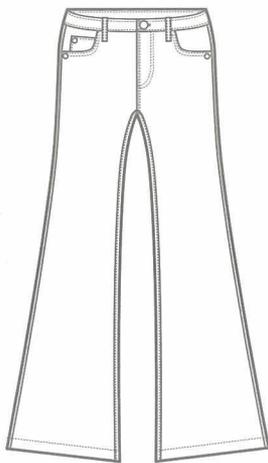
Tapered Jeans



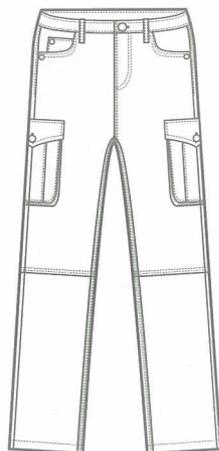
Baggy Jeans



Wide Leg Jeans



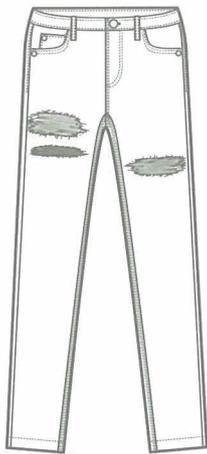
Flared Bottom Jeans



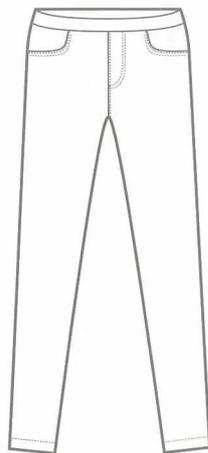
Cargo Jeans



Button Fly Jeans



Ripped Jeans

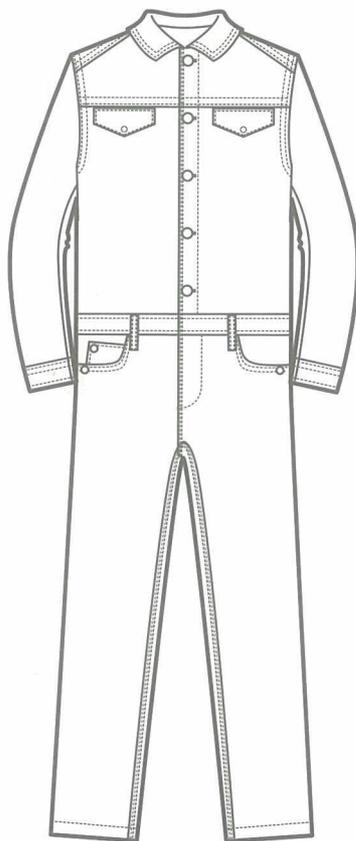


Jeggings

jeggings are usually made of a spandex-blend denim or are a type of leggings made to look like denim jeans with fake pockets and belt fly



Denim Dungarees

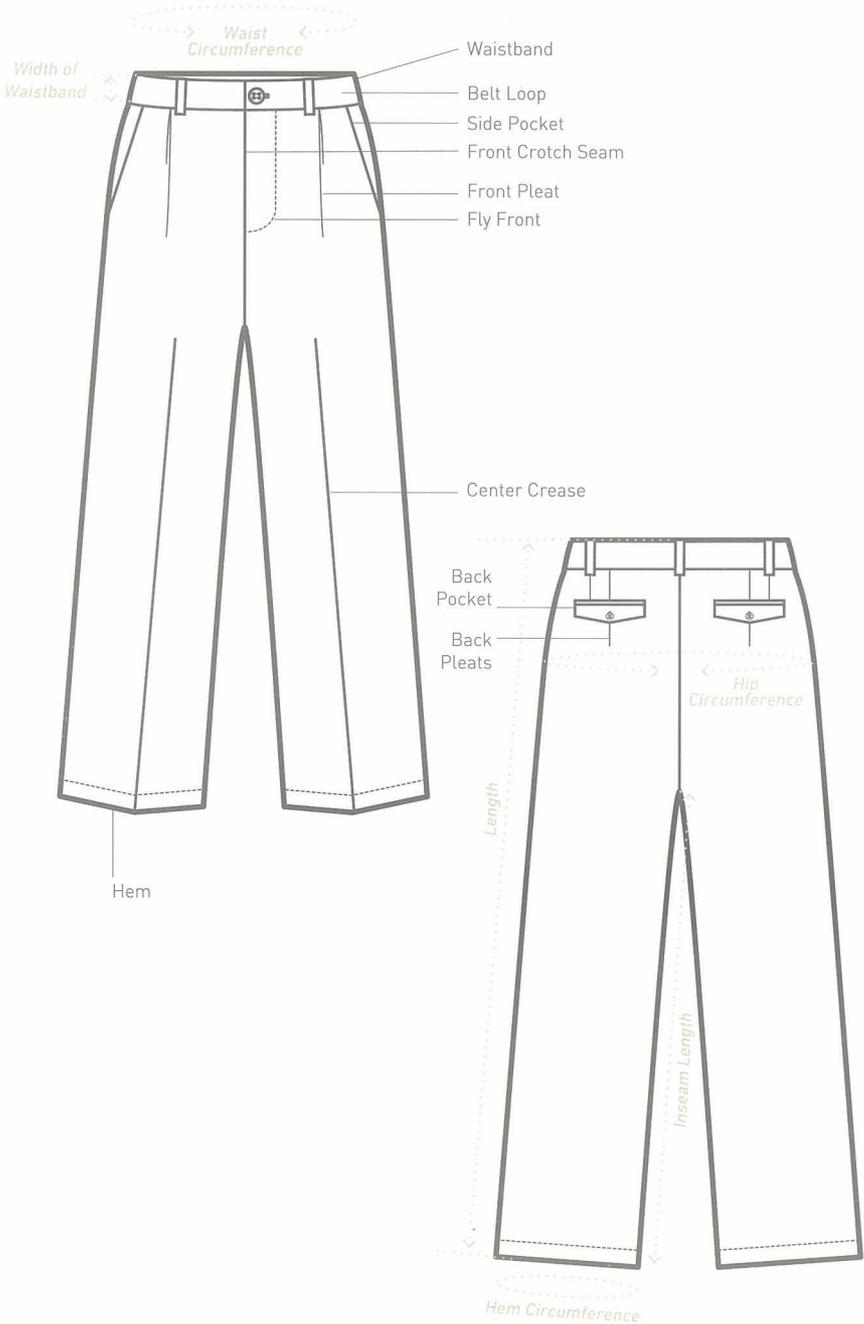


Denim Jumpsuit /  
Denim Overalls

## 2.9 PANTS

Pants (called trousers in British English) are a type of garment which covers the legs separately from the waist to the ankles. The variation in which the pants legs only reach above, below or at knee length is called shorts. In the majority of Western society, pants have existed since ancient times and were worn throughout the Medieval Age, subsequently becoming the most common type of lower-body clothing for men in the modern era. Trousers have been increasingly worn by females since the mid-20th century.

## PANTS DETAILS & MEASUREMENTS



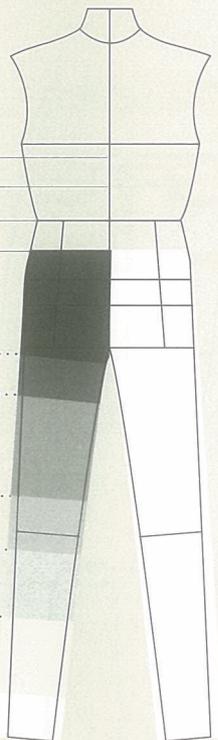
## TYPES OF PANTS

### WAIST LEVELS

- Under Bust
- High-waisted
- Normal Waist / High Rise
- Low-waisted / Low Rise

### LENGTHS OF PANTS

- Micro Length / Hot Pants
- Mid-thigh Length / Shorts
- Above-the-knee Length / Bermuda Pants
- Below-the-knee Length / Pedal Pusher
- Mid-calf Length / Capri Pants
- Ankle Length / Cropped Pants
- Full Length



## SILHOUETTES OF PANTS

(SIDE VIEW)



Straight

Slim Fit

Baggy

Peg Top

Boot Cut

Bell Bottom

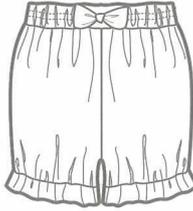
Flare

Wide Leg

## WOVEN PANTS



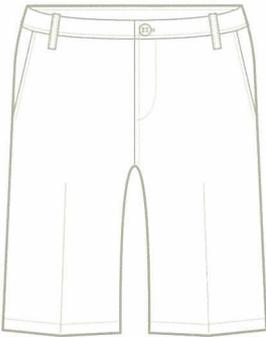
Micro Shorts /  
Hot Pants



Bloomers



Tap Pants



### Bermuda Shorts / Dress Shorts

Also known as dress shorts or walking shorts, Bermuda shorts are a type of short pants worn by both males and females as part of a semi-casual outfit. The name is derived from the Bermudas, a British Overseas Territory where the shorts became popular and were considered appropriate business attire when made from suiting materials and paired with a dress shirt, tie, blazer and knee-length socks.



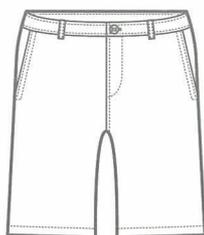
Shorts



Surfboard Pants /  
Boardshorts



Cargo Shorts



Preppy Shorts

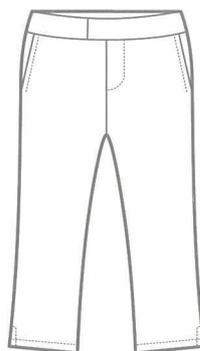


Baggy Bermudas

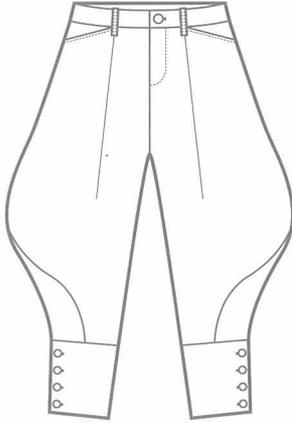


## Capri Pants

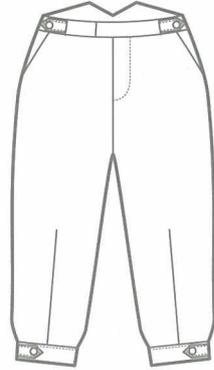
With legs cropped at mid-calf length, Capri pants are a favorite style worn in warm weather. First introduced in 1948 by European fashion designer Sonja de Lennart, Capri pants were named after the Italian Isle of Capri, where they became highly sought after in the late 1950s to early 60s. American actress Grace Kelly helped popularize the style as she was one of the first movie stars to wear them on the island.



Pedal Pusher Pants



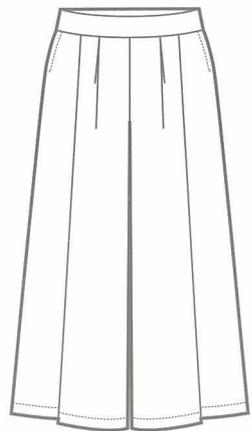
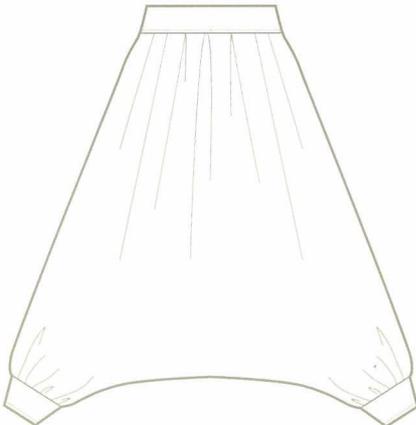
Riding Breeches



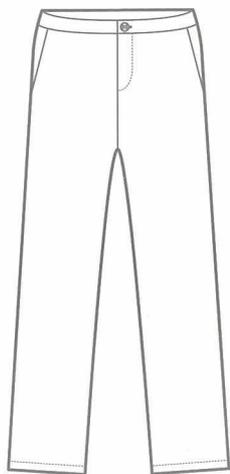
Plus Fours

## Sarouel Pants

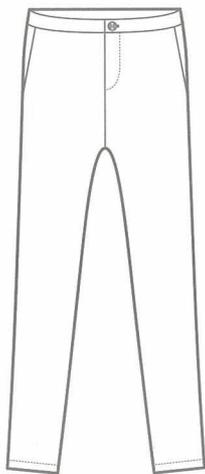
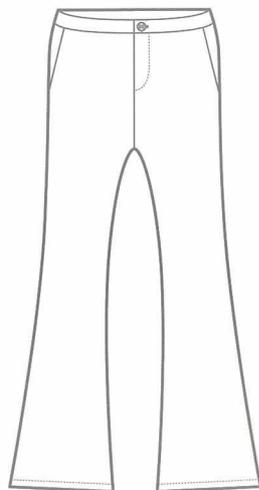
Also known as the sirwals, sarouel pants are worn in Muslim communities and also some places in India. They were originally introduced from Persia to Muslim countries.



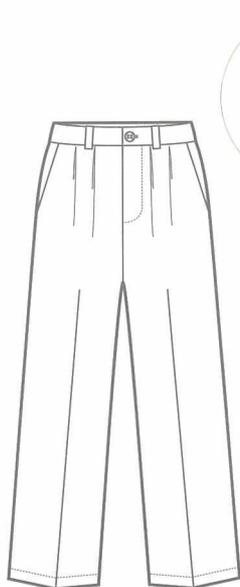
Gaucho Pants



Straight Pants

Slim-fit Pants /  
Drainpipe Trousers

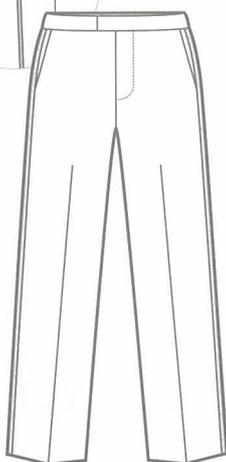
Bell-bottom Pants



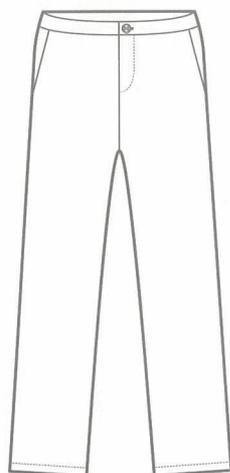
Tailored Pants



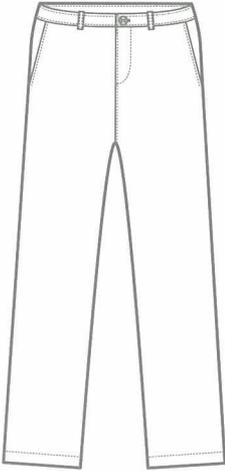
SIDE VIEW



Tuxedo Pants



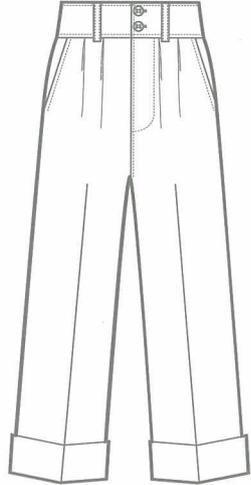
Flat Front Pants



Chinos  
made from chino cloth



Jeans



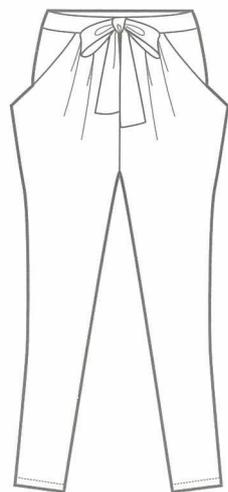
Oxford Bags



Chaps / Cowboy Pants  
seperate pants are worn inside



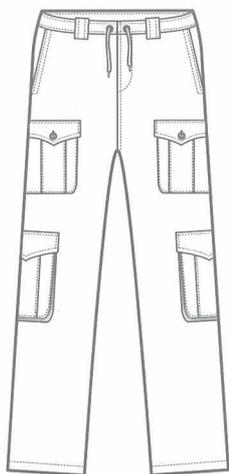
Zouave Pants



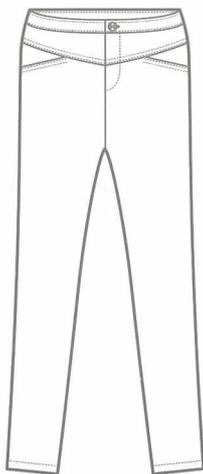
Harem Pants

## Palazzo Pants

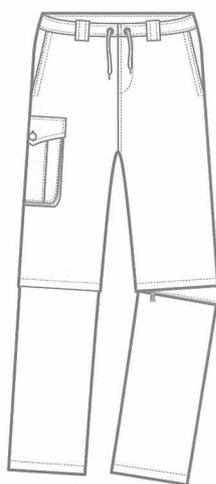
A type of long women's pants cut with loose and dramatically wide legs that flare out from the waist to resemble a skirt, Palazzo pants are usually made from light, flowing and breathable fabrics, making them a popular and flattering choice in hot summer climates.



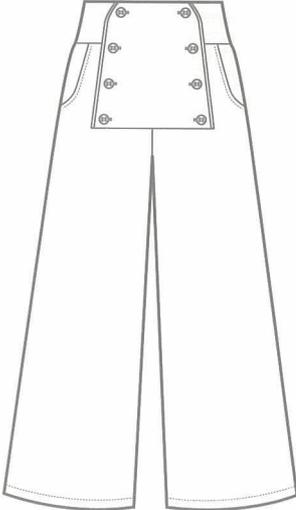
Cargo Pants



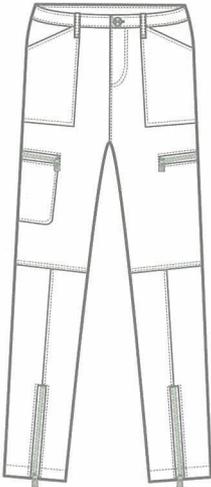
Yoked Pants



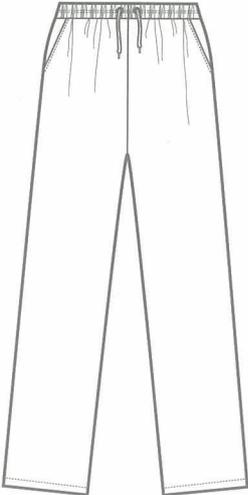
Zip-off Convertible Pants



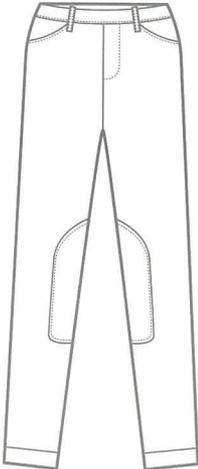
Sailor Pants



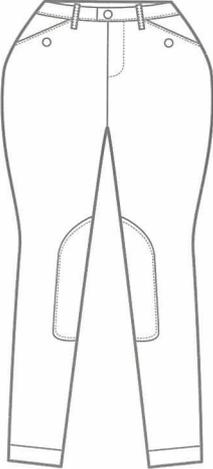
Parachute Pants  
made from nylon fabric



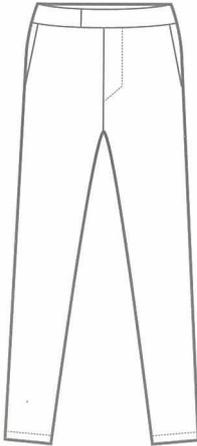
Pajama Pants



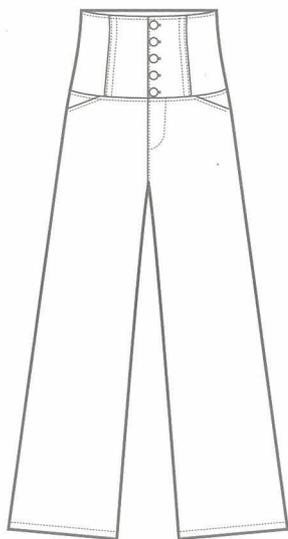
Kentucky Jodhpurs



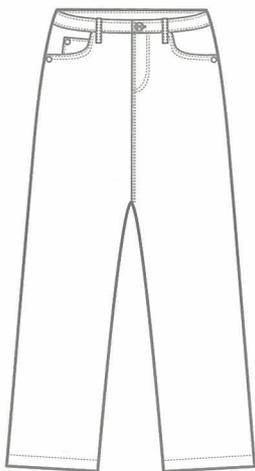
Classic Jodhpurs



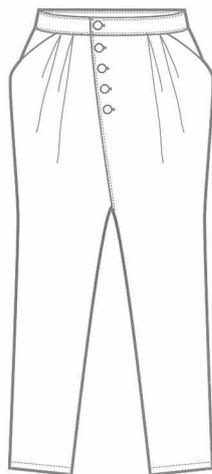
Cigarette Pants



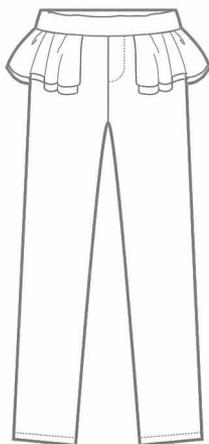
High-waisted Pants



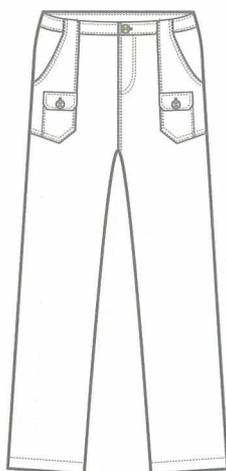
Baggy Pants



Tapered Baggy Pants



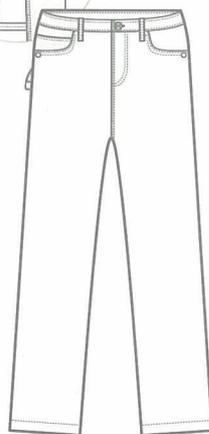
Peplum Pants



Bush Pants



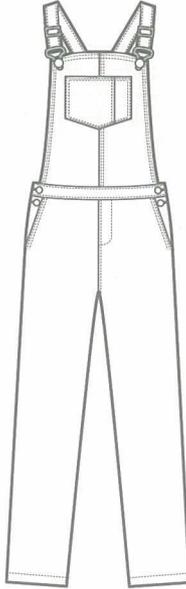
SIDE VIEW



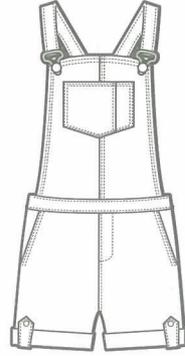
Carpenter Pants



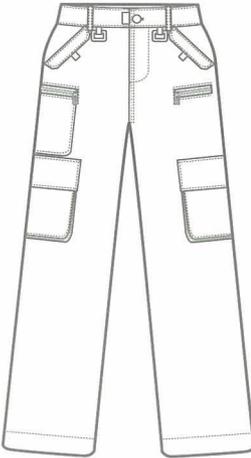
Suspender Pants



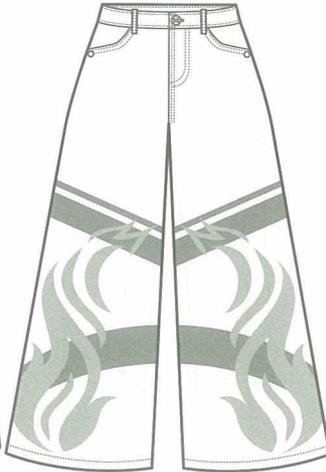
Dungarees / Overalls



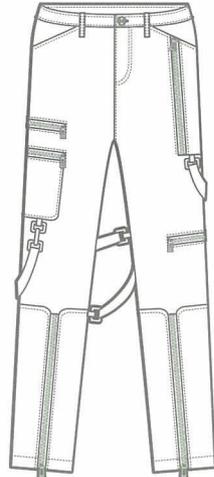
Short Dungarees



Ski Pants

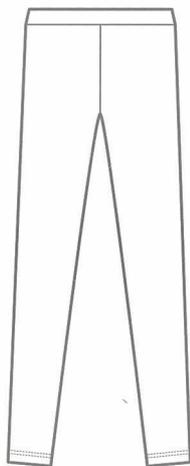


Phat Pants  
decorated with UV reflective tape  
to add a glowing effect

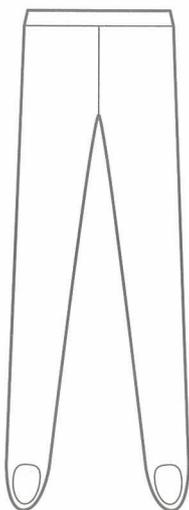


Bondage Pants

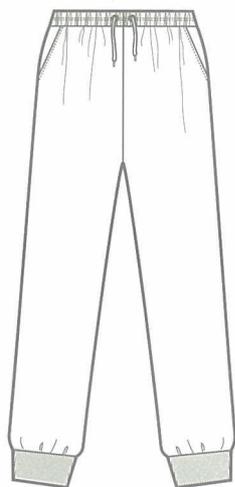
## KNIT PANTS



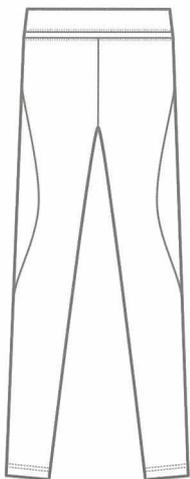
Leggings



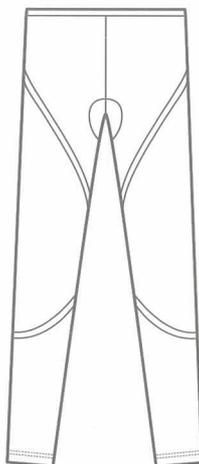
Stirrup Pants



Sweatpants



Yoga Pants



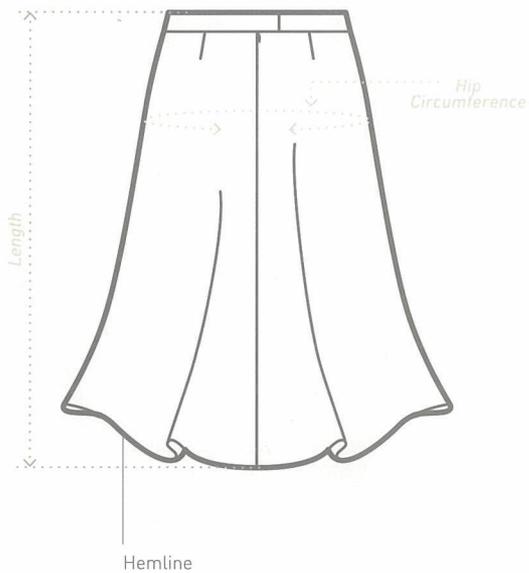
Cycling Pants

## 2.10 SKIRT

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A skirt is generally defined as a tube- or cone-shaped piece of clothing from the waist or hips down, covering all or portions of the legs. The cutting of skirts varies in terms of complexity, with the simplest types consisting of only a single piece of draped fabric, such as pareos. Skirts are usually tailored to fit at the waist or hips and flare towards the hem, creating a full silhouette by inserting darts, pleats, godets or panels. Variations of skirts exist in many different cultures and are worn by both genders, such as sarongs, lungis and kangas worn by women in South and Southeastern Asia, and kilts worn by men in Scotland and Ireland.

## SKIRT DETAILS &amp; MEASUREMENTS



## LENGTHS AND FULLNESS OF SKIRT

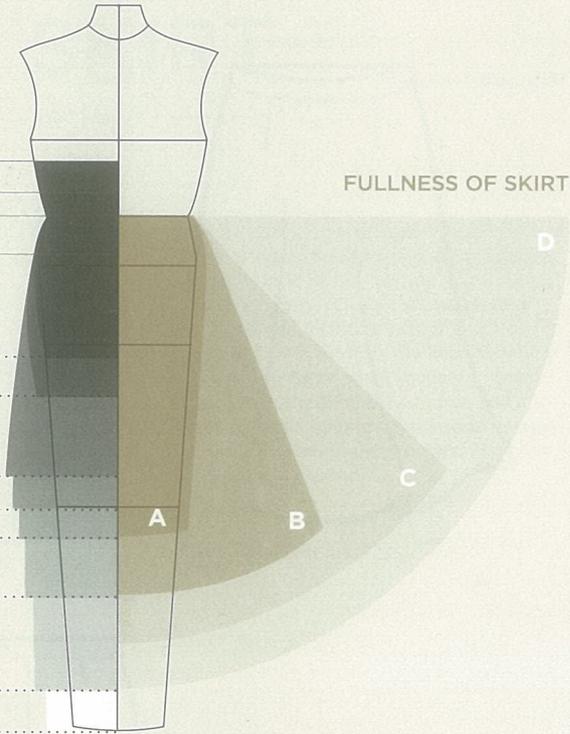
### WAIST LEVELS

- Under Bust
- High-waisted
- Normal Waist / High Rise
- Low-waisted / Low Rise

### DRESS LENGTHS

- Micro Length
- Mini Length
- Above-the-knee Length
- Knee Length
- Below-the-knee Length
- Midi Length / Mid-calf Length
- Maxi Length / Ankle Length
- Floor Length

### FULLNESS OF SKIRT



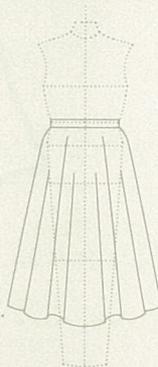
### FULLNESS OF SKIRT



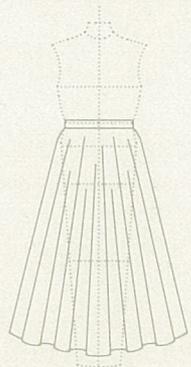
A Pencil Skirt



B A-line Skirt



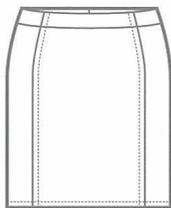
C Semi-circular Skirt



D Circular Skirt



Micro Skirt



Leather Skirt



Denim Skirt



Balloon Skirt



## Mini Skirt

Mini skirts are distinguished by their high hemlines, which always hit well above the knees and usually at mid-thigh length. The style peaked in popularity during the Swinging Sixties of London but remains fashionable till today. It is generally acknowledged that André Courrèges and Mary Quant invented the skirt at approximately the same time. Quant thought of the mini skirts as practical and liberating, letting women run freely for the bus.

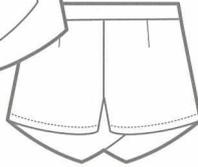


Culotte Short Skirt

FRONT VIEW



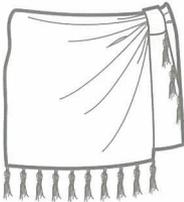
BACK VIEW



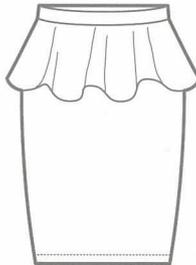
Skort



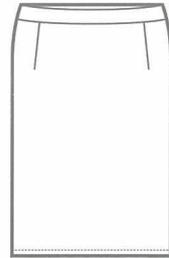
Rah-rah Skirt



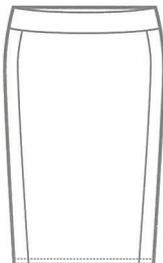
Sarong Skirt /  
Pareo Skirt



Peplum Skirt



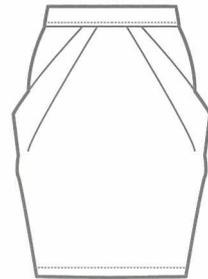
Sheath Skirt



Pencil Skirt /  
Tapered Skirt



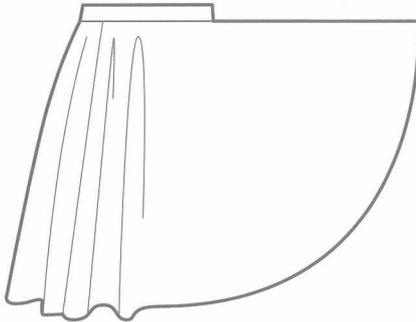
Dirndl Skirt



Peg-top Skirt

## A-line Skirt

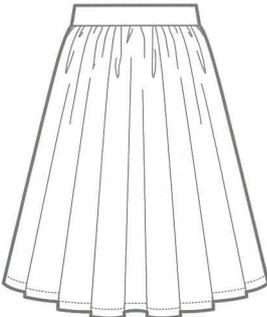
The term 'A-line skirt' was first introduced by French couturier Christian Dior as the label of one of his three collections for Spring/Summer 1955. Fitted at the hips, usually with seams and/or darts, and widening towards the hem, an A-line skirt is defined by a silhouette that resembles the shape of the capital letter A. It is free from visible ease-enhancing features such as pleats, vents or slits to maintain a clean and streamlined structure.



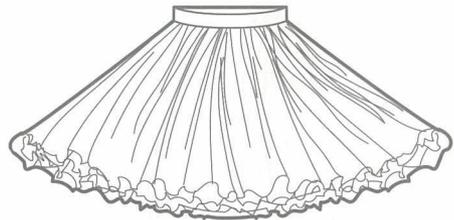
Circular Skirt



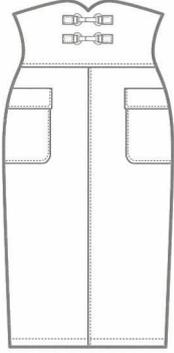
Flared Skirt / Skater Skirt



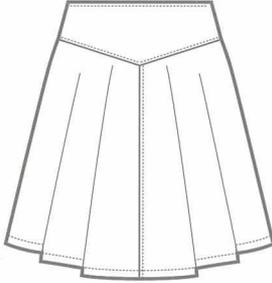
Full Skirt



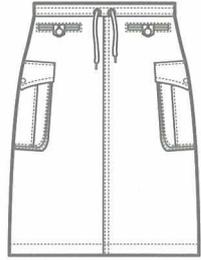
Tutu Skirt



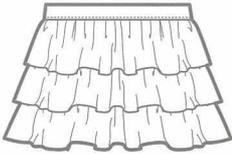
High-waisted Skirt



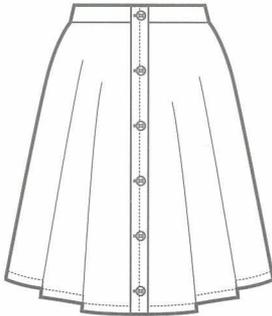
Yoke Skirt



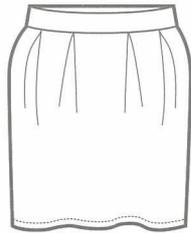
Cargo Skirt



Ruffle Skirt



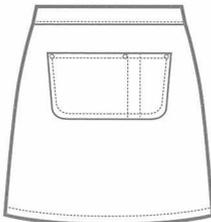
Button-down Skirt



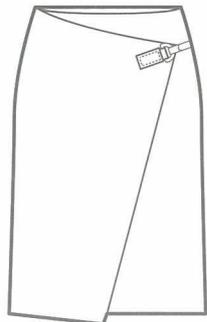
Bell Skirt



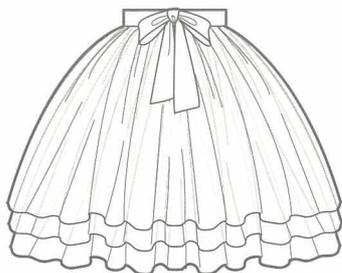
Draped Skirt



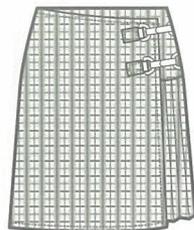
Apron Skirt



Wrap Skirt



Mini Crinoline Skirt



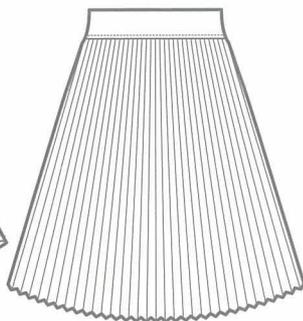
Kilt



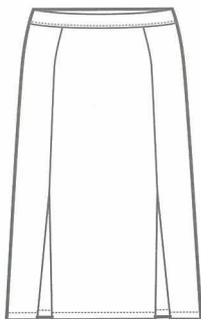
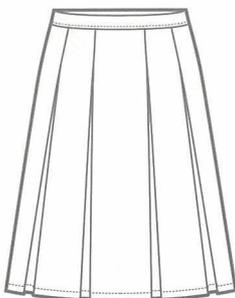
Ballerina Skirt



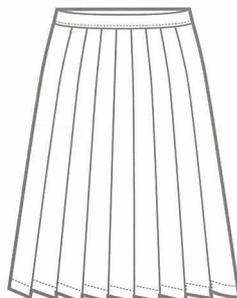
Handkerchief Skirt

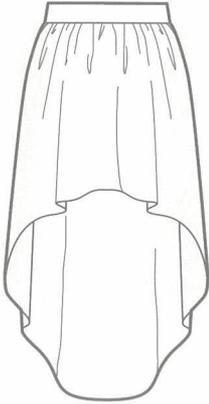


Sunray Pleat Skirt

Kick Pleat Skirt /  
Inverted Pleat Skirt

Box Pleat Skirt

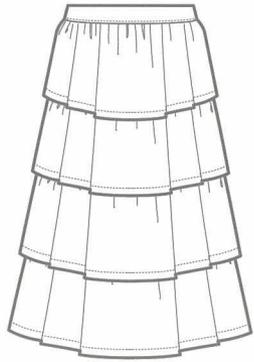
Side Pleat Skirt /  
Knife Pleat Skirt



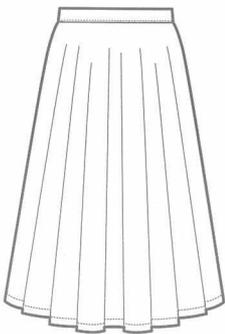
High-low Skirt



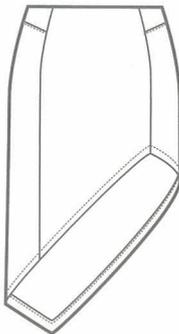
Cascade Skirt



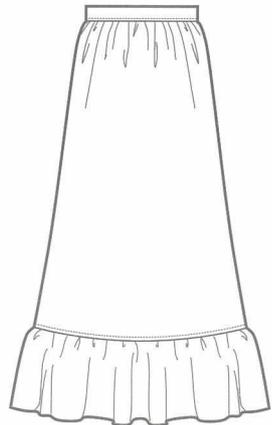
Tiered Skirt



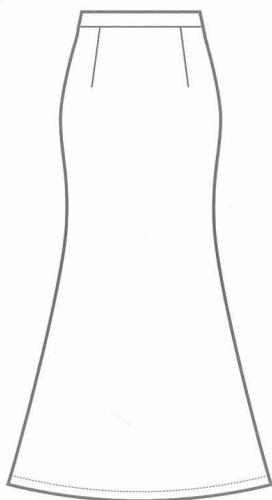
Midi Skirt



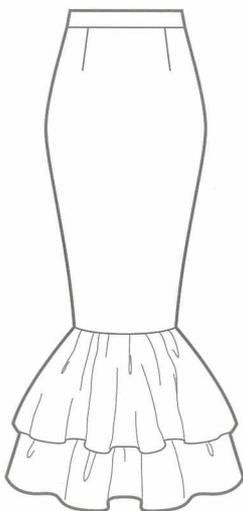
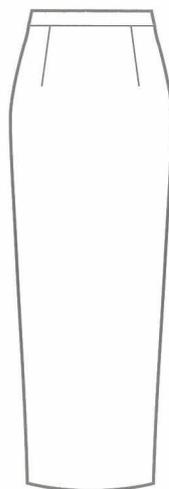
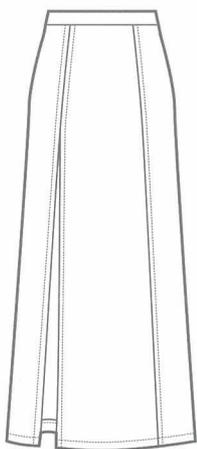
Asymmetric Skirt



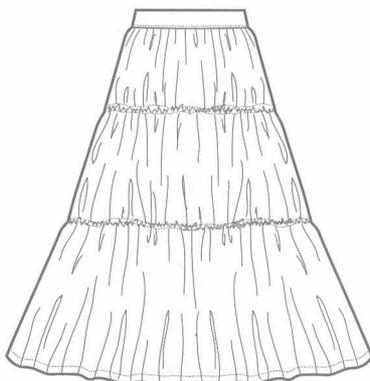
Prairie Skirt



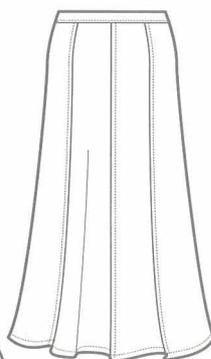
Trumpet Skirt

Mermaid Skirt /  
Fishtail SkirtHobble Skirt /  
Wiggle Skirt

Slit Skirt



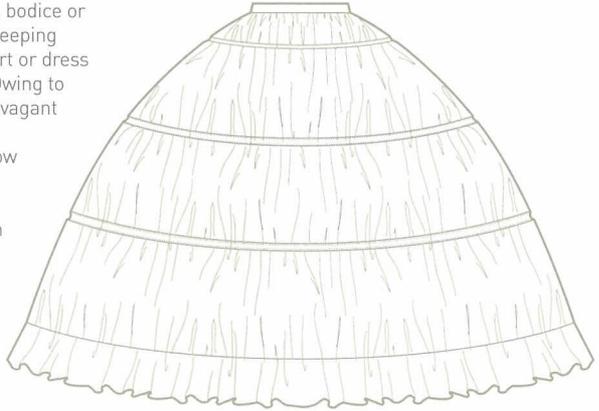
Gypsy Skirt



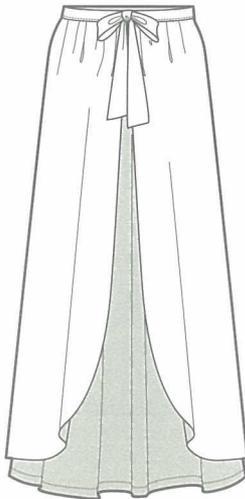
Eight-gore Skirt

## Petticoat Skirt for Gown

A petticoat generally refers to any separate skirt or skirt-like undergarment worn with a gown, bedgown, bodice or jacket, with the purpose of keeping warm or giving the outer skirt or dress the defined shape desired. Owing to modern-day trends for extravagant weddings and elaborate bridalwear, petticoats are now commonly worn to support the full-skirted silhouette of wedding gowns and to retain their intended shapes.

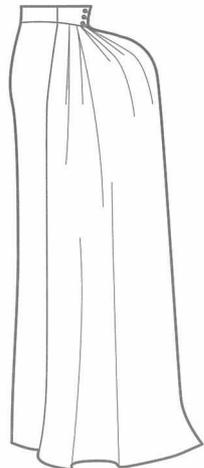


Bias Cut Skirt

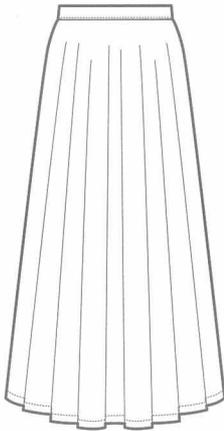


Over Skirt

SIDE VIEW



Bustle Skirt



Maxi Skirt

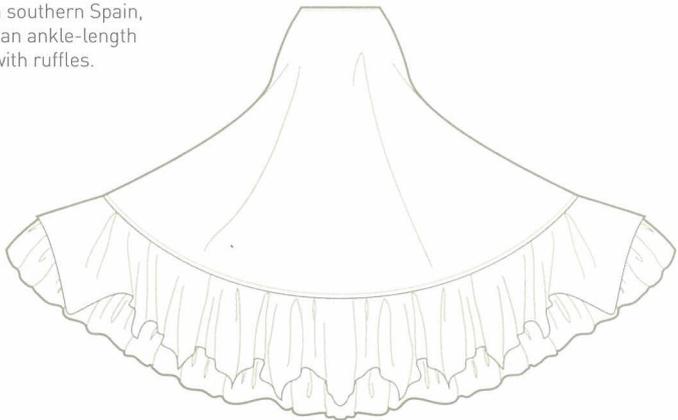


Poodle Skirt

Grass Skirt /  
Hula Skirt

## Flamenco Skirt

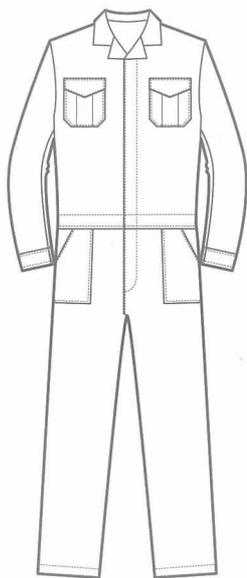
Part of the costume known as 'traje de flamenca' (flamenco outfit) worn by female performers of the Flamenco, a type of Spanish folk music and dance from the Andalusia region in southern Spain, a flamenco skirt is an ankle-length skirt embellished with ruffles.



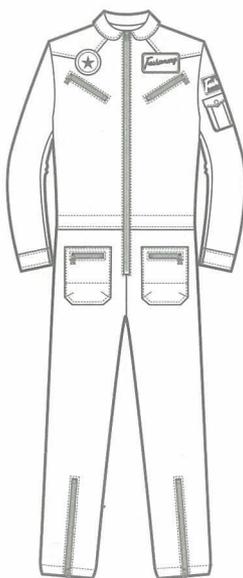
## 2.11 JUMPSUIT AND OVERALLS

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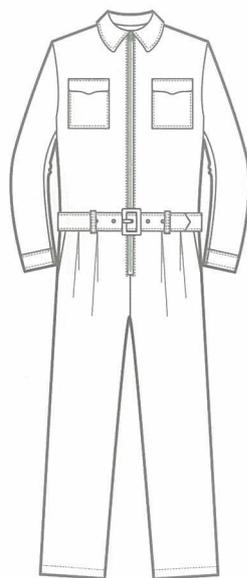
Originally referring to the functional one-piece clothing worn by skydivers and parachuters, the term 'jumpsuit' has nowadays become broadly adapted to describe any all-in-one garment with a conjoined bodice and pants, with or without sleeves.



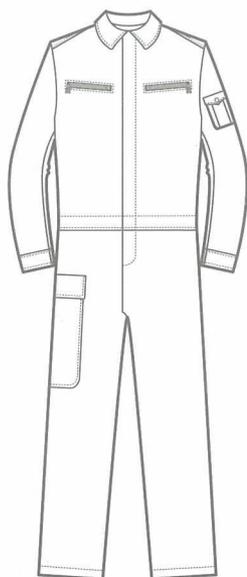
Workers Jumpsuit



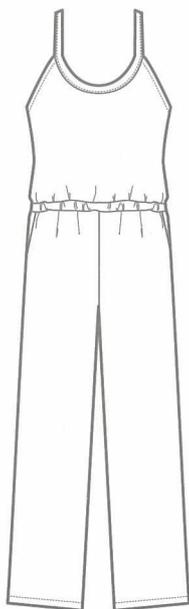
Aviator Jumpsuit



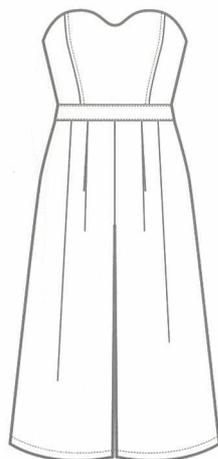
Siren Suit



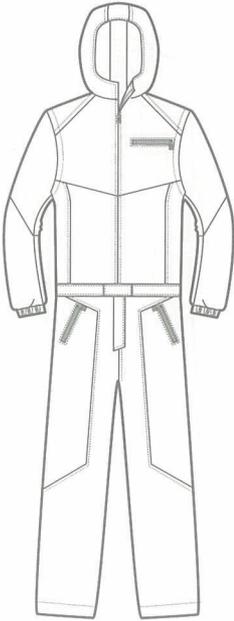
Boilersuit / Coveralls



Camisole Jumpsuit



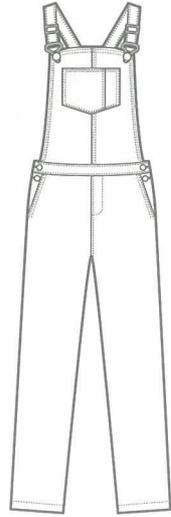
Culotte Jumpsuit



Ski Jumpsuit



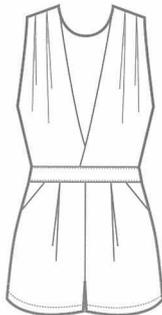
Onesie



Dungarees / Overalls



Catsuit



Playsuit / Rompers

## 2.12 SUIT

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A standardized set of garments comprising multiple components (jacket, trousers and vest) made of the same fabric and designed to be worn together and 'follow' each other, suits derive their name from the French word *suite*, which means 'following', and from a Late Latin derivative of the Latin verb *sequor*, meaning 'I follow'. Brooks Brothers is generally acknowledged for creating the first 'ready-to-wear' suit, which could be purchased already manufactured and sized, and ready for tailoring. Haggar Company pioneered the concept of suit separates in the USA, introducing the idea of individually sold jackets and pants which remains popular on the market today.

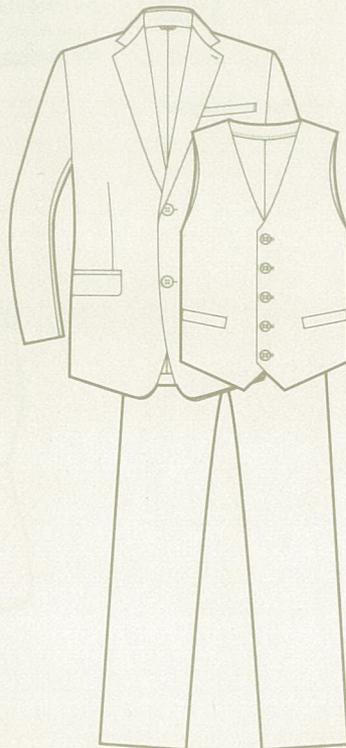
## SUIT CLASSIFICATION

A suit is a set of garments made from the same fabric. There are four main types of suits:

- / Two-piece Suit
- / Three-piece Suit
- / Single-breasted Suit
- / Double-breasted Suit

Suits are commonly sold in four ways nowadays:

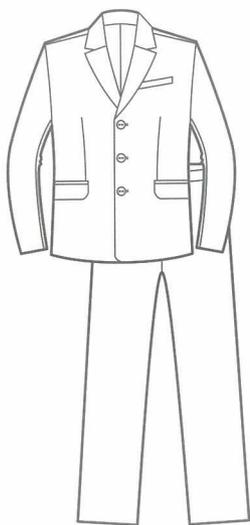
- / **Bespoke**  
custom-made by the tailor from a pattern created from the customer's measurements
- / **Made-to-measure**  
a pre-made pattern is modified to fit the customer
- / **Ready-to-wear**  
produced in standard sizes
- / **Suit Separates**  
jacket and pants are sold separately to allow the customer to choose the size that is best for them



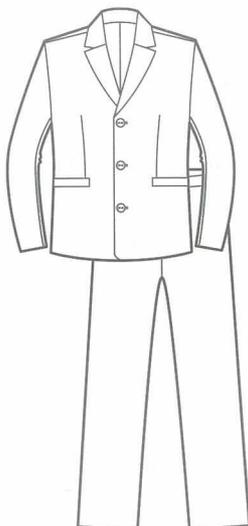
### Three-piece Suit

A modern spin on the classic men's suit, a three-piece suit includes a vest in addition to the jacket and trousers. Also known as a 'vested suit', the three-piece suit is in fact more traditional than its more common two-piece counterpart, as it was the established standard prior to the 1960s. With three components, the vested suit greatly enhances versatility and wearability, as it allows the wearer the flexibility of either wearing all three pieces together or just two pieces, such as the jacket and trousers without the vest, or alternatively only the trousers with the vest while indoors.

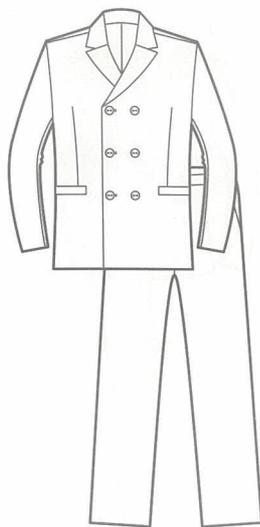
## SUITS FOR MEN



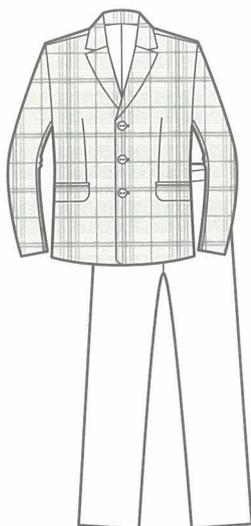
Two-piece Suit



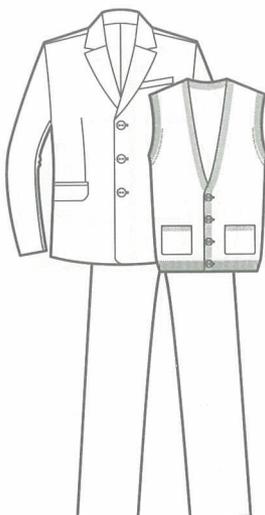
Single-breasted Suit



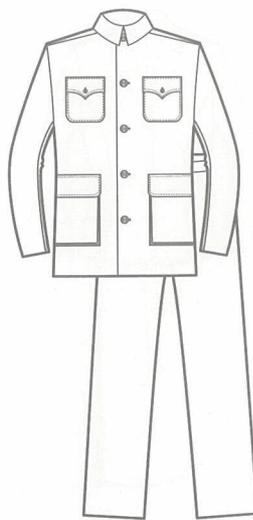
Double-breasted Suit



Separates

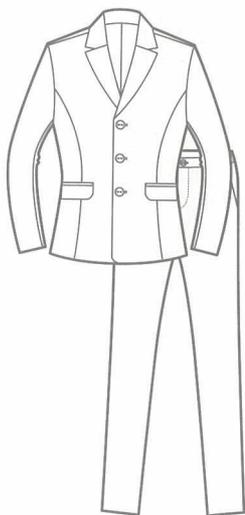


Cardigan Suit



Mao Suit / Tunic Suit

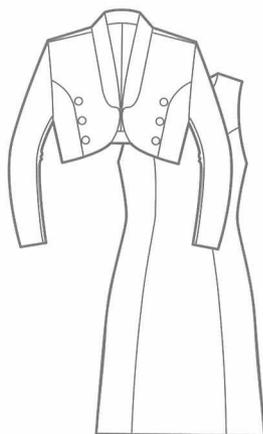
## SUITS FOR WOMEN



Pant Suit



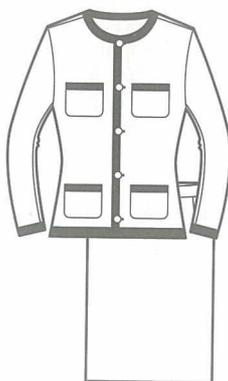
Skirt Suit



Bolero Suit



Culotte Suit



Chanel-style Suit

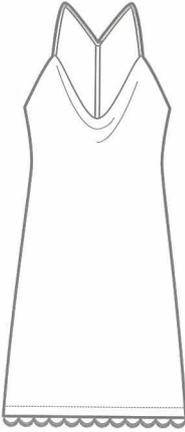
## 2.13 SLEEPWEAR AND NIGHTWEAR

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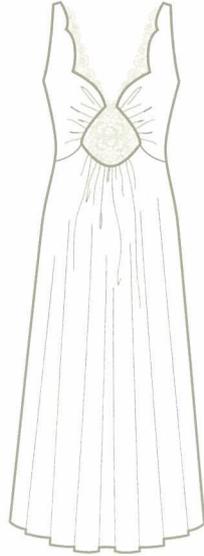
Nightwear is a type of garment intended to be worn for sleeping, the style of which may vary depending on the season. Warmer styles may be worn in colder months and vice versa.

## Nightgown

Also called a nightie or nightdress, a nightgown is a loose-fitting item of nightwear, worn almost only by women nowadays. It can be made of cotton, silk or nylon, sometimes embellished with lace appliqué or embroidery at the bodice and hem.



Slip Dress



Babydoll

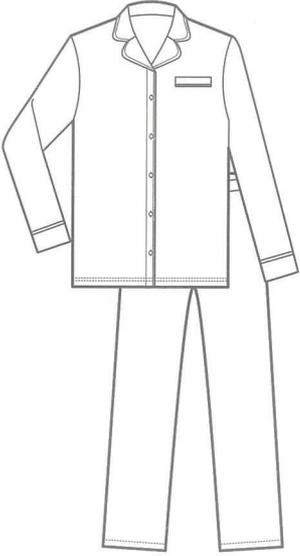


Negligee

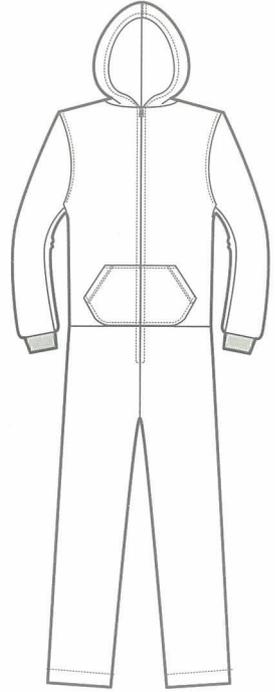
made of soft and sheer fabric



Nightshirt



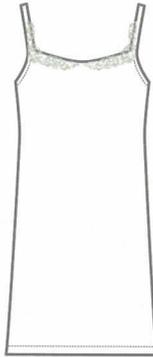
Pajama Set

Dressing Gown /  
Bathrobe

Onesie



Kimono Nightwear



Chemise



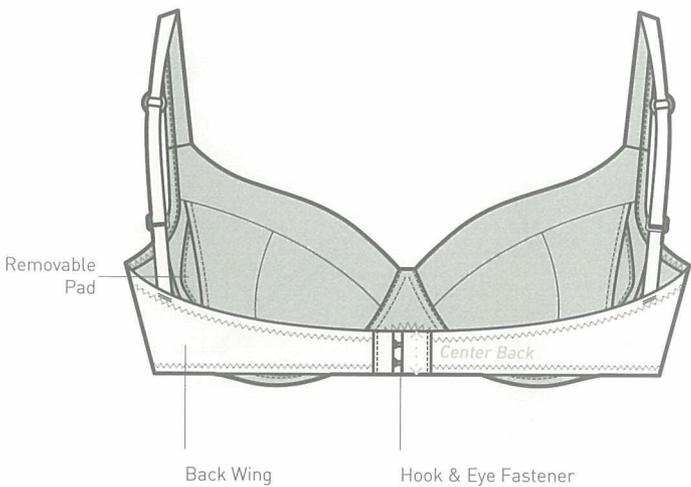
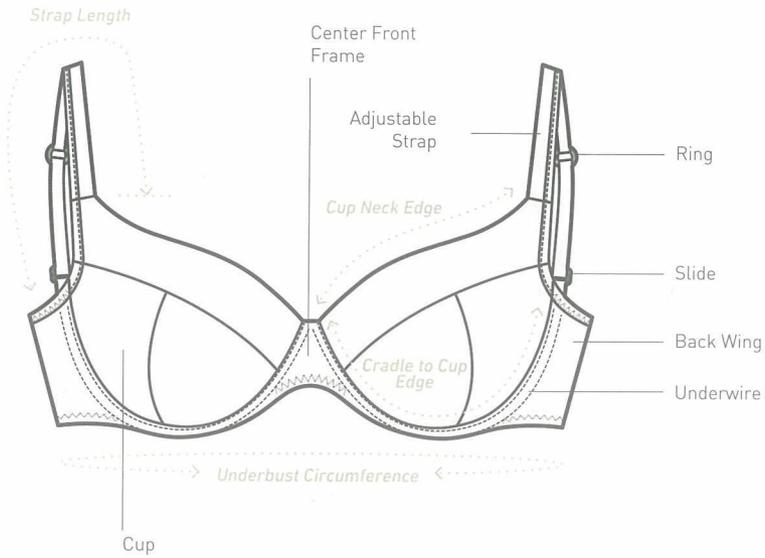
Camisole Pajama Set

## 2.14 UNDERWEAR

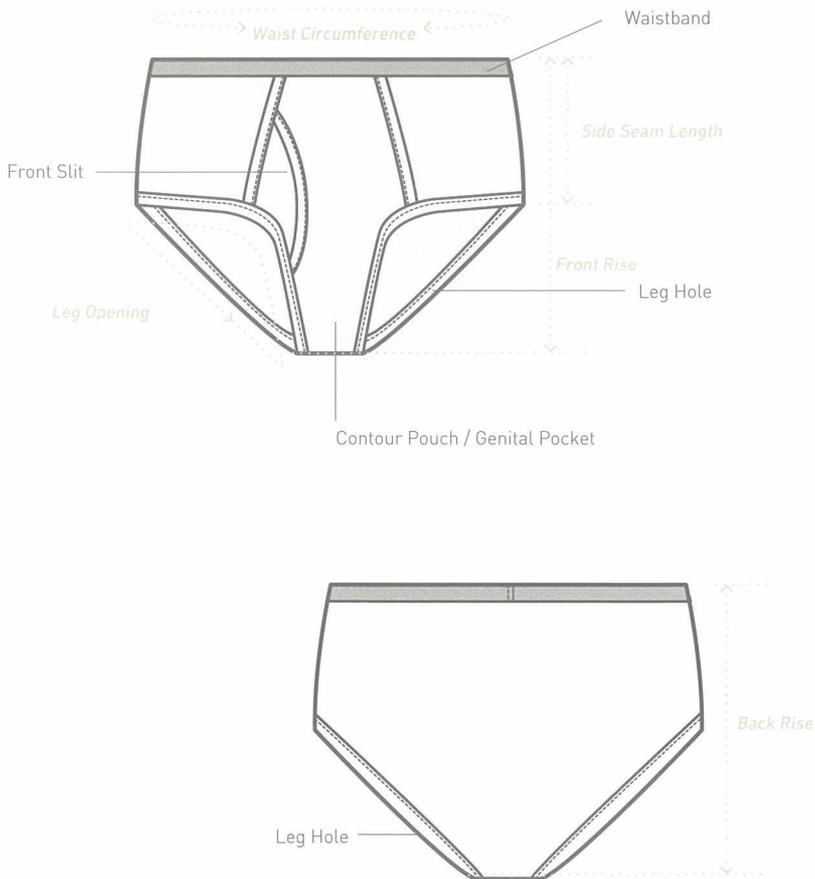
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Worn beneath outer clothing and usually directly touching the skin, underwear includes both upper and lower body garments and may consist of one or more layers. A main purpose of underwear is to keep outer garments from direct contact with the body, hence preventing them from being damaged and soiled by bodily substances, as well as lessening their abrasion and friction against the skin. It also helps shape, conceal and support parts of the body.

## BRASSIERE DETAILS &amp; MEASUREMENTS



## MEN'S BRIEF DETAILS & MEASUREMENTS

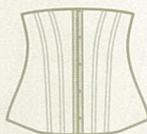
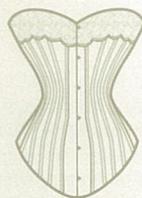


## EVOLUTION OF BRAS / BRASSIERES

Designed to push the breasts upward, corsets dominated the undergarment trend amongst wealthier women in the Western world starting from the 16th century. During the late 19th century, clothing designers started experimenting with ways to modernize corsets, such as segmenting them into various parts: girdle-like devices for restricting the abdomen, and breast-suspenders supported by the shoulder.

The first modern brassiere was patented in 1889 by German inventor Christine Hardt. In 1912, the first brassiere specifically developed for mass production was introduced by Sigmund Lindauer, who came from a family of corset makers from Stuttgart-Bad Cannstatt, Germany. Lindauer subsequently patented his design in 1913, and it was put into mass production by Mechanische Trikotweberei Ludwig Maier und Cie. in Germany. In 1914, Mary Phelps Jacob was granted a patent in the United States for her 'backless brassiere', the first brassiere design that has been recognized as the foundation of modern-day bras.

Due to the shortage of metal during World War I, corsets were gradually replaced by brassieres, which were worn by most fashion-conscious women in Europe and North America by the time the war ended. The brassiere trend subsequently spread to the rest of the world and became widely adopted by women in Latin America, Asia and Africa.



## BRAS

### Balconette

First introduced in about 1938 in the United States and becoming mainstream in the 1950s, the balconette bra is designed to lift the breasts and enhance their appearance with its balcony-like shape, from which it got its name 'balconette', literally meaning 'little balcony'. A balconette cup always cut horizontally just above the bust line.



Full Support Bra



Full Cup Bra



Plunge Bra



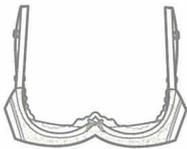
Soft Cup Bra



Padded Bra /  
Push-up Bra



Contour Bra /  
Molded Cup Bra



Shelf Bra /  
Open Cup Bra



Underwire Bra



Front Closure Bra



### Demi Cup Bra / Half Cup Bra

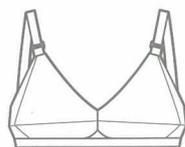
Demi cup bras cover half to three quarters of the breasts and can uplift the breasts as well as create cleavage. The industry generally cuts a demi cup to 1" above the nipple point.



Longline Bra



Maternity Bra



Bullet Bra



Strapless Bra



Racerback Bra



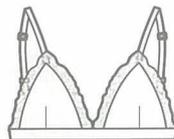
Convertible Bra



Backless Bra



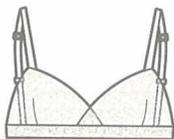
Posture Bra



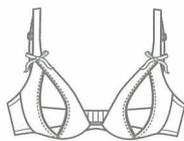
Triangle Bra



Sheer Bra



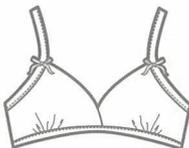
Bralette



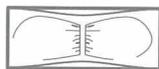
Peephole Bra



Sleep Bra



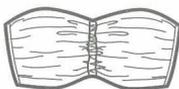
Training Bra



Tube Bra



Athletic Bra /  
Sports Bra



Bandeau



Adhesive Bra /  
Nude Bra

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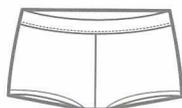
## PANTIES / KNICKERS



Classic Briefs



High-cut Briefs



Boyleg Briefs /  
Boyshorts / Girl Boxers

## PANTIES / KNICKERS (CONT'D)



Control Briefs

BACK VIEW



## G-string

First seen in Earl Carroll's theater productions during the Jazz Age, the G-string was part of the costumes worn by showgirls. The letter 'G' is believed to stand for 'groin' as deemed by linguist Robert Hendrickson. It may be worn as underwear instead of panties to avoid showing a visible panty line.



French Knickers



Hipsters



Bikinis



String Bikinis



Tangas

BACK VIEW



Cheeky Thongs

BACK VIEW

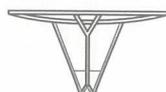


C-string

3/4 VIEW



BACK VIEW



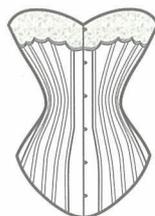
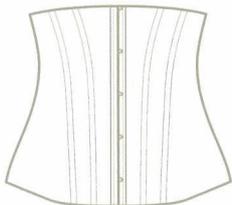
V-string

BACK VIEW



T-back

## CORSETRY



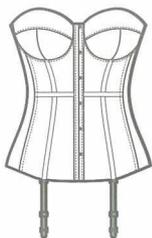
Hourglass Corset

### Waist Cincher

Boned and back-laced, a waist cincher is a type of belt intended to make the wearer's waist physically smaller or to create the impression of such. It was first made popular around 1947, when Christian Dior introduced it with the brand's iconic style the 'New Look'. Only around 6 to 7 inches, it differs from a historical Victorian corset mainly with its narrower length.



Bustier



Torsolette / Basque



Corselet / Corselette / Merry Widow



Panty Girdle

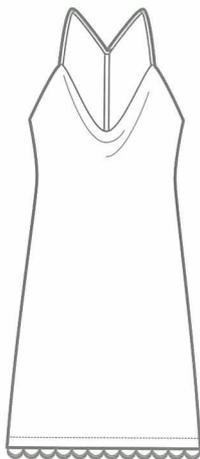


Open Bottom Girdle

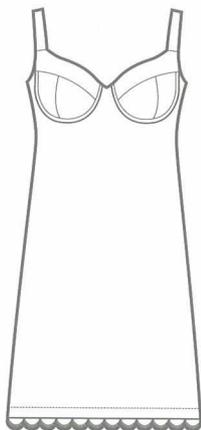


Pointed Cincher

## SLIPS



Slip Dress



Bra Slip



Teddy



Teddiette



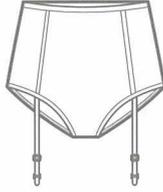
## Chemise

Meaning 'shirt' in French, chemises were traditionally worn as smock shirts by both men and women. Nowadays, they generally mean sleeveless, loose-fitting undergarments or lingerie that are not cinched at the waist.

## OTHER WOMEN'S UNDERWEAR



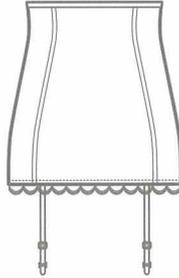
Bodysuit



Garter Briefs



Suspender Belt /  
Garter Belt

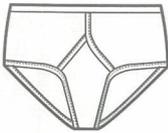


High-waisted Garter Skirt

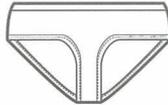


Garter

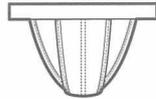
## MEN'S UNDERPANTS



Y-front Briefs



Narrow Front Briefs

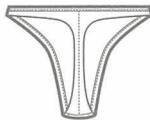


Tanga

BACK VIEW



Jock Strap

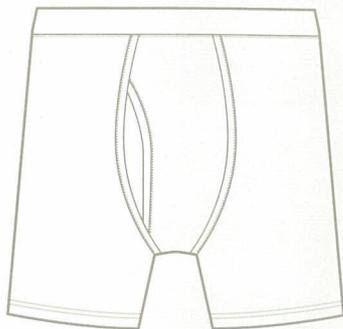


Thong



Unilateral Thong

## MEN'S UNDERPANTS (CONT'D)

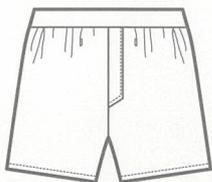


### Boxer Briefs

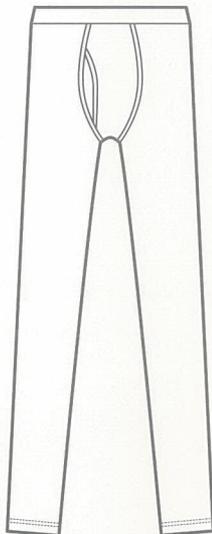
A newer, hybrid form of men's undergarment, boxer briefs are cut with longer legs like boxer shorts, but offer a tighter fit like briefs. They were first introduced by John Varvatos, head of menswear design at Calvin Klein in 1990.



Trunks



Boxer Shorts



Long Johns

THE DETAIL IS AS  
IMPORTANT AS  
THE ESSENTIAL  
IS. WHEN IT IS  
INADEQUATE, IT  
DESTROYS THE  
WHOLE OUTFIT.

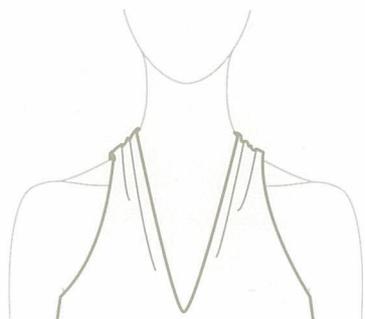
/ CHRISTIAN DIOR



# 3.1 NECKLINE

## Halterneck

A halterneck garment features a single strap or material which runs around the wearer's neck. One of the most famous dresses in history is the white halterneck dress worn by Marilyn Monroe in the 1955 movie, *The Seven Year Itch*.



Round



V-neckline



Oval



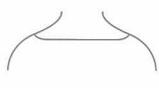
U-neckline



Horseshoe



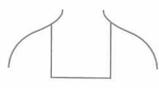
Sweetheart



Boat / Bateau



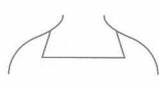
Scoop



Square



Plunge



Trapeze



V-shaped Crew



Asymmetric



High / Bottle



Turtleneck



Diamond



Keyhole



Heart-shaped



Scalloped



Petal



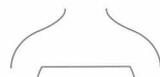
Ballerina



Wrapped



Surplice



Strapless



Florentine



Notched



Slashed



Suit



Off-the-shoulder



Funnel



Zigzag



One-shoulder



Camisole



Crew



Henley



Gathered



Tucked



Cowl



Halterneck



Drawstring

# 3.2 COLLAR

## Peter Pan Collar

The Peter Pan collar is named after the costume of Maude Adam who starred as Peter Pan in the 1905 play, Peter and Wendy. It has been mainly associated with children's wear since the 1920s.



Regular



Spread



Pointed /  
Barrymore



Long Button-down



Short Button-down



Tab



Full Cutaway



Mitered



Round



Eton



Edwardian



Wing



Narrow



Imperial



Stand-away



Banded / Stand



Mandarin



Clerical



Flat



Open



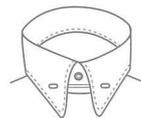
Peter Pan



Low



Horseshoe



Pinned



Puritan



Asymmetric



Notched



Chelsea



Shawl



Double



Sailor / Middy



Loop



Flat Knit / Polo



Johnny



Pussy Bow



Poet



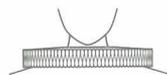
Jabot



Medici



Pierrot



Ruff Collar

# 3.3 LAPEL

## Notched Lapel

A lapel which is sewn to the collar at an angle and creates a stepped effect is called a notched lapel. Notched lapels are always found on single-breasted suit jackets.



Notched



Semi-notched



Fish Mouth



Peaked / Pointed



Semi-peaked



Round Collar Peak



Round Peak



Clover



Half Clover



Shawl



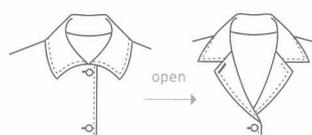
Notched Shawl



Tab



Framed



Balmacaan



Ulster



Chesterfield



Napoleon



L-shaped



T-shaped

## 3.4 SLEEVE

### Bouffant Sleeve

A bouffant sleeve is a larger and fuller version of the puff sleeve. It is usually gathered at the cuff and the shoulder.



Set-in



Raglan



Semi-raglan



Epaulet



Yoke



Cap



Tulip



Tucked



Flare



Angel

DETAIL - SLEEVE



Puff



Dropped Puff



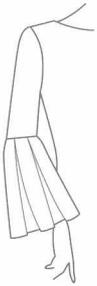
Balloon



Gigot / Leg o' Mutton



Bishop



Lantern



Butterfly



Tiered



Handkerchief



Short Bell



Bell / Trumpet



Cornet



Funnel



Cold Shoulder



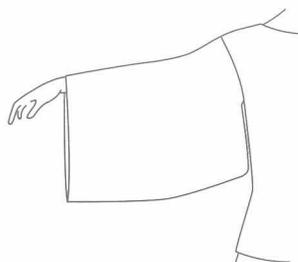
Two-piece Sleeve



Slashed



Crescent



Traditional Kimono Sleeve



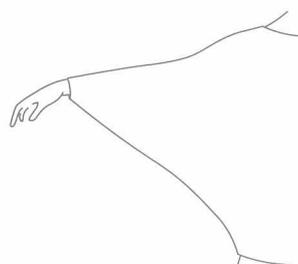
Pagoda



Paned



Virago



Batwing



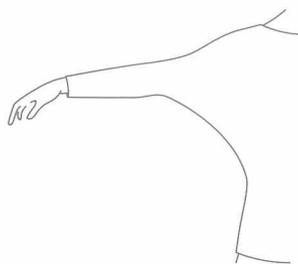
Poet



Juliet



Hanging

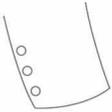
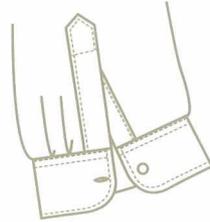


Dolman

# 3.5 CUFF

## Cuff

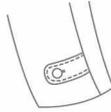
The extra layer of fabric which is attached to the end of a sleeve is called a cuff. It is always divided along one edge, allowing enough room for the hand to pass through, and fitting around the wrist after fastening, usually with one or more buttons.



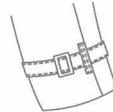
Plain



Turn-up



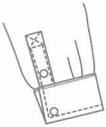
Tab



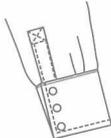
Strapped



Shirred



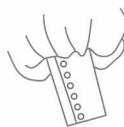
Placket



Triple Button



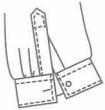
Wing



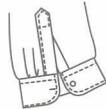
Long Buttoned



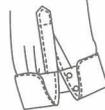
Frilled



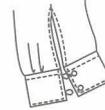
Square



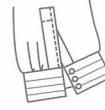
Rounded



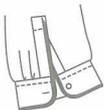
Folded Back



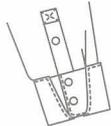
Loop Closure



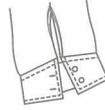
Pleated



Edge Trim



Portofino / James Bond



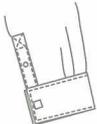
Western



Banded



Piped



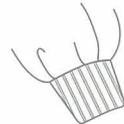
French for cufflinks



Convertible



Fringed

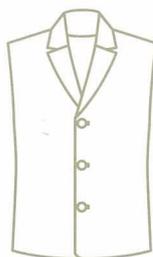


Knit

## 3.6 OPENING

### Opening

It can be dated back to over a century ago when the buttons on men's and women's clothing were on different sides. It is believed that men always dressed themselves, so having buttons on the right hand side would be suitable for most men (who are right-handed). Women who could afford fancy clothing with buttons would rely on maids to help them get dressed. Maids would prefer to have buttons on their own right hand side (which is on the left side of the clothing).



Men's Jacket  
Opening



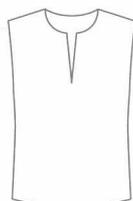
Women's Jacket  
Opening



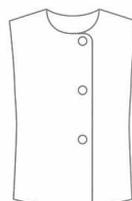
Single-breasted



Double-breasted



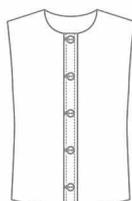
Slashed



Button



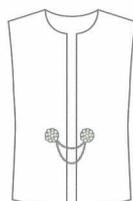
Zipper /  
Slide Fastener



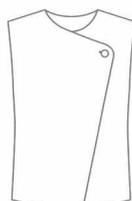
Placket



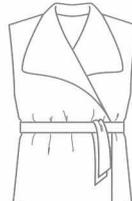
Fly Front



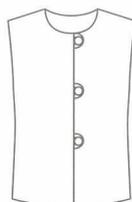
Chained



Asymmetric



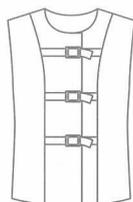
Wrap



Button & Loop



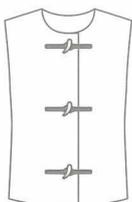
Lacing



Buckle



Chinese Button



Toggle

# 3.7 POCKET

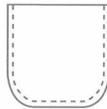
## POCKET TYPES



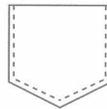
Patch



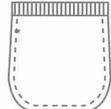
Top-stitched Square Patch



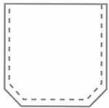
Rounded



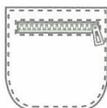
Angled



Rib Top



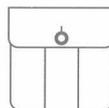
U-line



Patch Pocket with Zipper



Inverted Pleated



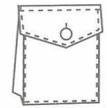
Box Pleated



Patch Pocket with Flap



Basic Flap



Bellows / Cargo



Kangaroo Pouch



Pencil Pocket



Welt / Besom



Barchetta Curved Welt



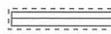
Top-stitched Welt



Welt Pocket with Button



Jetted



Top-stitched Jetted



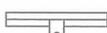
Reinforced Western Jetted



Reinforced Jetted



Jetted Pocket with Zipper

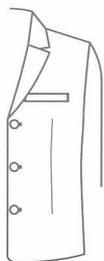


Jetted Pocket with Tab

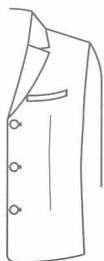


Jetted Pocket with Flap

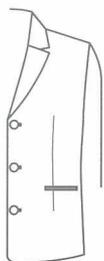
## POCKETS ON JACKETS



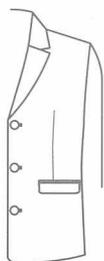
Welt



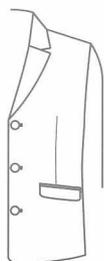
Barchetta Curved Welt



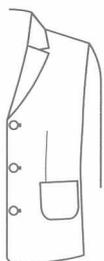
Jetted



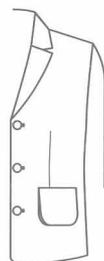
Jetted with Flap



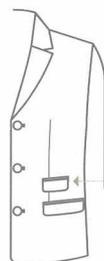
Slanted Flap



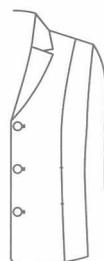
Patch



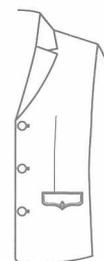
Bellows



Ticket Pocket



Seam



Western Flap

## POCKETS ON PANTS



Slant / Slashed



Curved



Seam / Vertical



L-shaped



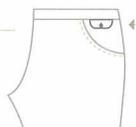
Frogmouth



Coin Pocket



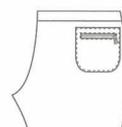
Zippered Coin Pocket



Flapped Watch Pocket / Fob Pocket



Rectangular Patch



Patch Pocket with Zipper

# 3.8

# JACKET DETAIL

## SHOULDER LINES



Straight



Natural



Dropped



Wide



Square



Roped

has slightly more padding than a natural shoulder



Concave / Pagoda



Arched

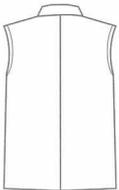


Neapolitan / Spalla / Manica Camicia

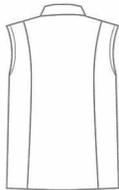


Extended

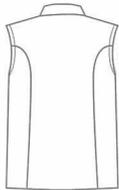
## BACK DART AND SEAM



Center Back Seam



Princess Seam



Armhole Princess Seam



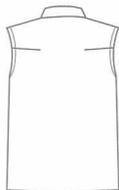
Rounded Cut



Regular Cut



Waist Dart



Armhole Dart



Shoulder Dart



Square Cut



Cutaway

## FRONT CUT

## 3.9 SHIRT DETAIL

### FRONT YOKES



Horizontal



Diagonal



Western



Scalloped

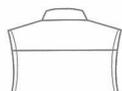


Inverted Pleat

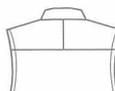


Snap Down

### BACK YOKES



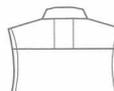
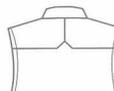
Horizontal



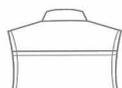
Split



Darted

Perpendicular  
Pieced

Notched

Overlapped  
NotchedHorizontal with  
Insert

Rounded



Gusset Split



Western



Western 2

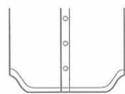


Scalloped

### HEMS



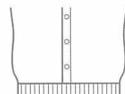
Straight



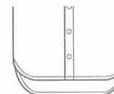
Shirt Hem



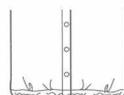
Shirttail Hem



Banded



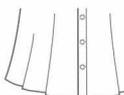
Baseball



Gathered



Tie



Flare



Peplum



High-low

# 3.10 PANTS DETAIL

## PANTS FRONT



Flat Front



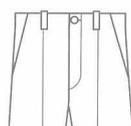
Single Pleat



Double Pleat



Extended  
Waistband



Self-extended  
Waistband

## SIDE POCKETS



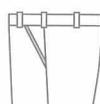
Seam / Vertical



1/8 Slashed



1/4 Slashed



1/2 Slashed



Curved



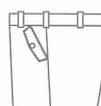
L-shaped



Frogmouth



Zipper

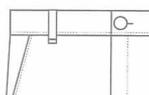


Flap

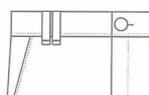


Jetted

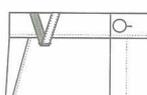
## BELT LOOPS



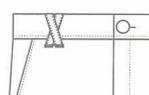
Basic



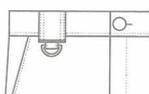
Double



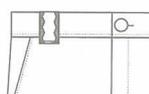
V-shaped



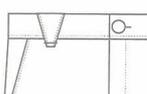
X-shaped



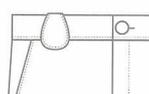
Wide with D-Ring



Leather-trimmed  
Wide Loop



Inverted  
Trapezoid



Horseshoe

## 3.11 JEANS DETAIL

### Five Pocket Jeans

Five pocket jeans are the most common type of jeans on the market. However, the original Levi Strauss & Co. prototype, which was produced in 1873, only had three pockets (two on the front and one at the back). It was not until 1905 that Levi's added a watch pocket (coin pocket) inside the front right pocket and a final back pocket to their 501XX jeans.

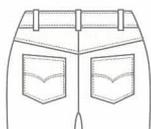


3 pockets on the front

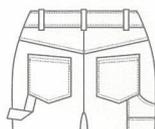


2 pockets at the back

### BACK POCKETS



Traditional



Carpenter



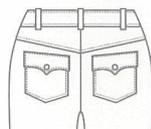
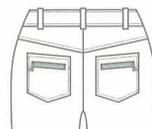
No Pockets



Oval-shaped



Embellished

Western Style Pockets  
with FlapsFlap Pockets  
with ButtonsPatch Pockets  
with Zippers

### FRONT POCKETS

Traditional  
Five PocketStitched Round  
Pocket

Patch Pocket

Embellished  
PocketMitered Patch  
Pocket

TO WEAR DREAMS  
ON ONE'S FEET IS  
TO BEGIN TO GIVE  
A REALITY TO  
ONE'S DREAMS.

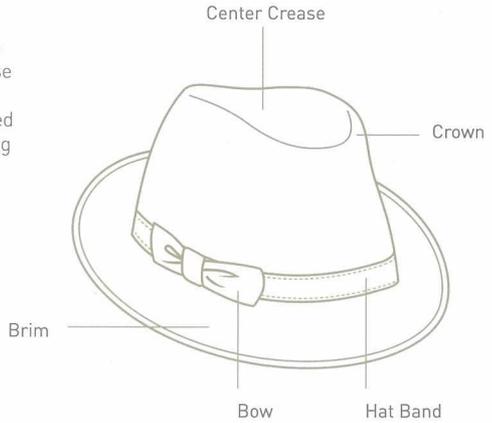
/ ROGER VIVIER



# 4.1 HAT AND CAP

## Fedora

Typically made of felt with a wide brim, the fedora hat is distinguished by its lengthwise crease down the crown and pinched sides. Soaring to popularity after it was introduced in 1891, it soon eclipsed the similar-looking but dressier homburg hat.



## HAT & CAP TYPES



Top Hat



Bowler



Trilby  
narrow brim that is snapped down at the front and turned up at the back



Homburg



Porkpie



Tyrolean



Deerstalker



Cloche



Breton



Panama  
rounder and taller than a fedora

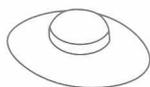
## Deerstalker



Commonly made of wool tweed, the deerstalker hat is constructed from six or eight triangular panels with round edges which are sewn together. It is typically worn for hunting in rural areas, especially for deer stalking. Made famous by Sherlock Holmes, who is always seen wearing a deerstalker in the novels and movies, this type of hat hence became the standard headgear for detectives.



Fedora

Cartwheel Hat  
always has a lower crown  
than a picture hatPicture Hat  
has a wide brim  
with decorations

Floppy Hat



Jockey Cap



Pillbox



Pillbox with Veil



Bucket Hat



Tulip Hat

Mushroom Hat  
with a brim facing  
down

Boater



Straw Hat



Juliet Cap



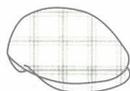
Bonnet



Fascinator



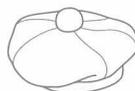
Flat Cap



Tweed Flat Cap

Newsboy Cap  
rounder and fuller  
than a flat cap

Beret



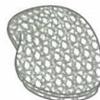
Tam o' Shanter



Nightcap



Phrygian Cap



Crochet Hat

Rasta Hat  
a colorful cap which  
can be knitted, woven  
or sewn

Beanie



Toque



Bobbie Hat



Ushanka



Cossack Cap

Russian  
Trapper



### Baseball Cap

The baseball cap features a rounded crown typically made out of six panels, and a stiff and slightly curved front peak. Particularly popular among young people worldwide, it is often worn as a sun hat by university and college students for outdoor activities. One of its variants is the trucker hat, which has a plastic mesh back and a foam front.



Baseball Cap



Field Cap



Stormy Kromer Cap



Sun Visor



Safari Hat



Cowboy Hat



Sailor Cap



Marine Cap



Doughboy Hat /  
Sailor Hat



Pith Helmet



Riding Helmet



Mortarboard



Wizard Hat



Kepi



Bearskin



Tricorne



Bicorne



Side Cap



Keffiyeh



Turban



Fez



Coolie Hat



Sombrero

## 4.2 MASK

### Domino Mask



Traditionally worn at the Venetian Carnival, the domino mask is a type of small, half mask which covers only the eyes and the surrounding area. It is very similar to the Colombina mask, which offers slightly more coverage. The domino mask is occasionally dubbed the 'burglar mask' or 'bandit mask', as it is often worn by either thieves or superheroes in comics to conceal their identities.

### MASK TYPES



Medico Della Peste



Volto (Larva)



Colombina



Zanni



Traditional Africa Mask



Japanese Hannya



Welding Mask



Ski Mask



Gas Mask

### Chinese Opera Mask



In Beijing opera performances, Beijing opera masks are painted with colorful facial makeup, with each color symbolizing a different meaning and characteristic of the role. 'Face changing' is a famous trick in which the performer changes their mask in front of the audience in the blink of an eye. The art is regarded as a national secret as it requires masterful technique which remains a mystery to the public.

# 4.3 EYEWEAR

## Aviator Sunglasses

First introduced in 1936 for U.S. military pilots, the aviator sunglasses' original form featured large, slightly convex lenses that bent around the human eye for all-around protection. It became widely popular along with the rise of the hippie counterculture, where large metallic sunglasses were a major trend.



## FRAME SHAPES



Round



Boston



Wellington



Lexington



Oval



Flat Top



Rimless



Top Rimless



Square



Half Eye



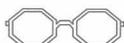
Foxy



Aviator



Teardrop



Octagon



Pentagon



Heart



Shield



Caged



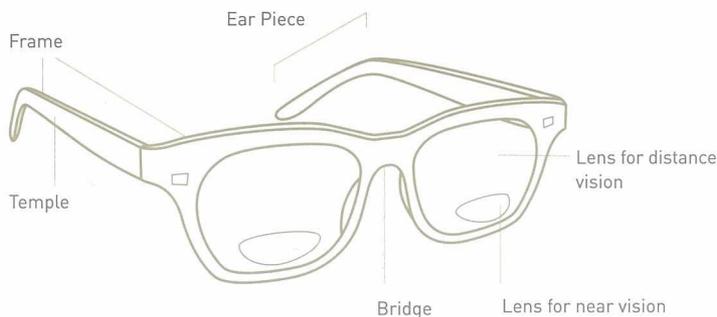
Shutter Shade



Cat Eye

## Horn-rimmed Glasses

Originally made of authentic horn or tortoiseshell, horn-rimmed glasses are more often than not made of thick acetate or plastic that imitate those materials. One of the first types of eyeglasses to become a trendy fashion item, horn-rimmed glasses have become popular since 1917 after comedian Harold Lloyd began wearing a rounded pair in his movies.



## GLASSES TYPES



Horn-rimmed  
Glasses / Wayfarer



Half Rim



Rimless



Bifocal



Half Rim Glasses



Foldable



Teashades /  
Granny Glasses



Aviator



Sunglasses



Wrap Around



Clip-on  
Sunglasses



Bike Glasses



Combination  
with a frame made of metal and  
plastic for different parts



Pince-nez



Lorgnette



Shutter Shade



Safety Spectacles



Monocle



Google Glasses

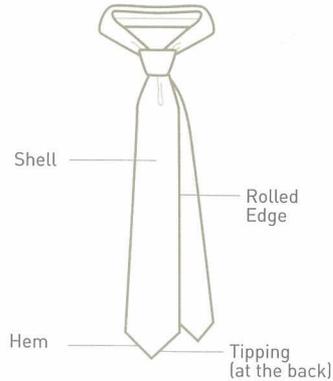


Goggles

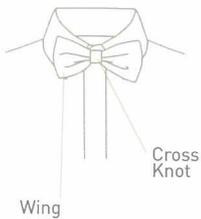
# 4.4 TIE

## Tie

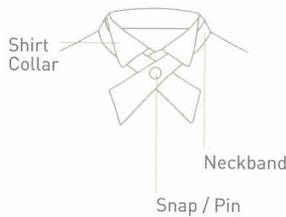
A component of formal attire for men, a tie is also a compulsory part of many school and work uniforms. Traditionally, and for more proper occasions, the top button of the shirt should be fastened when wearing a tie, with the tie knot resting between the two collar points. A more casual alternative is to have the tie knotted loosely around the neck with the top shirt button undone.



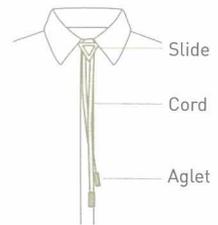
### Bow Tie



### Continental Tie



### Bolo Tie



## TIE TYPES



Tie



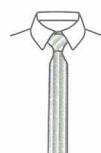
Club Tie



British Regimental Tie



American Regimental Tie



Knit Tie



Bow Tie



Cravat



Ribbon Tie



Lavallière



Continental Tie

## 4.5 SCARF



### Scarf

A scarf is an item of clothing worn around the neck or close to the head for various purposes, such as for warmth, cleanliness, fashion or religious reasons. Scarves worn for cleanliness or religious reasons are commonly made of more breathable, sheer and softer textiles in triangular or rectangular shapes, while those worn for warmth are usually made of wool, and sometimes real animal skins and fur. Variants of fur scarves include boas, fur collars and zibellinos. As styling accessories, fabric scarves can be worn and tied in various ways.

### SCARF TYPES



Shawl



Stole



Muffler

Headscarf  
called *hijab* in  
Islamic cultures

Babushka



Fur Collar



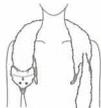
Shoulder Wrap



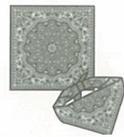
Capelet



Shrug

Snood Circle /  
Infinity Scarf

Zibellino

Boa  
long round scarf made of  
feather, pleated silk or fur

Bandana

Crochet  
Ascot Scarf

# 4.6 BAG

## COMMON BAG SILHOUETTES



Clutch



Saddle



Baguette



Hobo



Tote



Bowling



Duffel



Backpack



Messenger



Bucket



Doctor

## Handbag

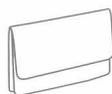
Purses were initially used by early modern Europeans, both men and women, for carrying coins. Made of leather or soft fabric, they were always very small in size. During the Industrial Revolution in England, increased railway travel led to the demand for larger-sized bags as purses were too small and the materials were not durable enough for the journey.



## BAG TYPES



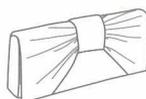
Bracelet Bag



Clutch



Minaudière



Evening Bag



Envelope Clutch



Kiss Lock Handbag



Pochette



Box Bag



Pompadour Bag



Sporran



Bermuda Bag



Sally Jess Bag



Inro



Muff Bag



Tote Bag



Hobo Bag



Canteen Bag



Pannier Bag



Satchel



Chanel Bag



Medicine Bag



Accordion /  
Compartment Bag



Bucket  
Bag



Squaw Bag



Saddle Bag



Straw Bag /  
Beach Bag

## Backpack



Woven Tote Bag



Kenya Bag



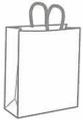
Basket



Hat Box



Lunchbox Bag



Shopping Bag



Belt Bag



Waist Bag /  
Belt Pack



Sling Bag



Doctor Bag



Duffel Bag



Boston Bag



Gladstone Bag



Weekender



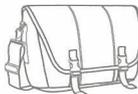
Boxer Bag



Roll Bag



Bowling Bag



Courier Bag /  
Messenger Bag



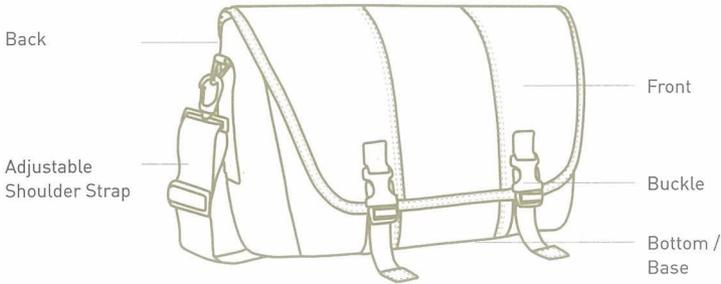
Tennis Bag



Golf Bag

## Messenger Bag

The modern-day messenger bag originated from the utility lineman's bag manufactured by De Martini Globe Canvas Company in the 1950s, which was designed for linemen to keep essential gear and tools easily accessible while climbing utility poles.



Drawstring Bag



School Bag



Rucksack



Backpack



Camera Bag



Portfolio



Computer Bag



Briefcase



Rigid Case



Cosmetic Case



Attaché Case



Suitcase



Trolley Case



Pilot Case



Trunk

## Kelly Bag

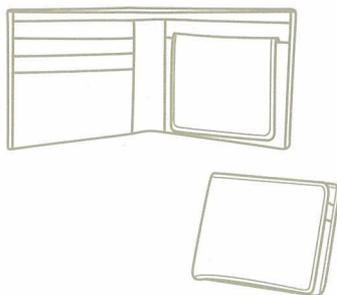


Hailed as a symbol of status, the Hermès Kelly bag got its name when Grace Kelly, the Princess of Monaco, was spotted using the handbag to shield her baby bump from the paparazzi. After the photo was published, the bag quickly received attention and gained popularity.

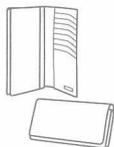
# 4.7 WALLET

## Wallet

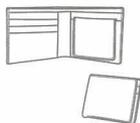
A wallet is a small, typically pocket-sized and portable flat case used for carrying cash, identity cards, bank cards, photographs, etc.



## WALLET TYPES



Continental  
Wallet



Bifold Wallet



Trifold Wallet



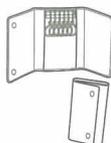
Credit Card  
Wallet



Purse



Coin Purse



Key Case



Spectacle Case



Business Card  
Holder



Card Holder



Writing Case



Money Clip

## 4.8 WATCH

### Chronograph Watch

First introduced in 1816, the chronograph watch is a type of mechanical watch that combines the functions of a stopwatch and a display watch, originally designed for tracking astronomical objects. Besides its core time-telling and stopwatch functions, many specialized chronographs feature intricate detailing and complex features, and as a result cost considerably more than the basic types. Nowadays, chronograph watches are widely used in car racing, diving, and for navigating aircraft and submarines.



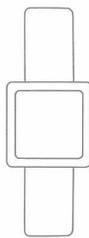
### SHAPES



Round



Oval



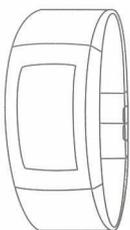
Square



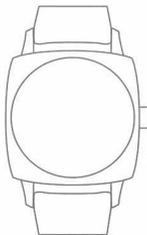
Rectangle



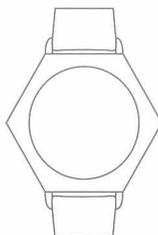
Tonneau



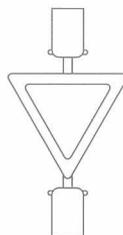
Curved



Cushion



Hexagonal



Triangle



Heart



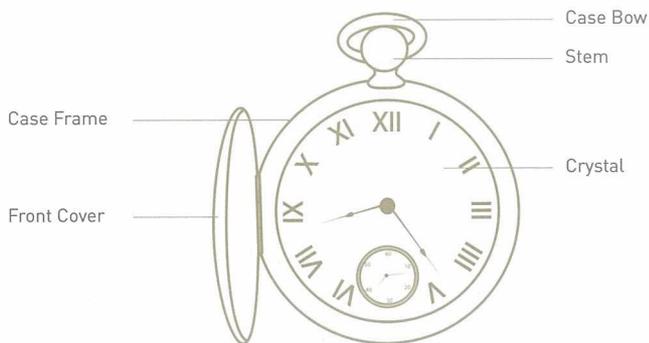
## Dive Watch

Dive watches are water-resistant watches designed for use during diving. Modern dive watches must conform to ISO 6425 standards, which regulate and attribute watch models that are suitable for underwater diving to a minimum depth of 100m.

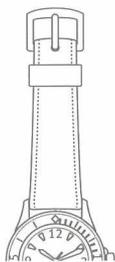
## Digital / Sport Watch



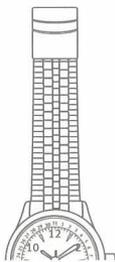
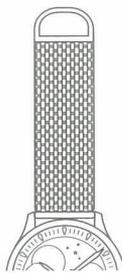
## Pocket Watch



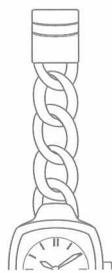
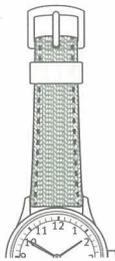
## STRAPS



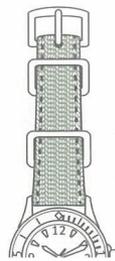
Leather Strap

Stainless Steel  
Link Bracelet

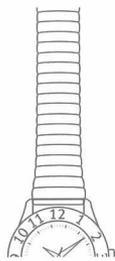
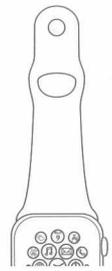
Milanese Strap

Chain Watch  
Strap

Woven Strap



Nato Strap

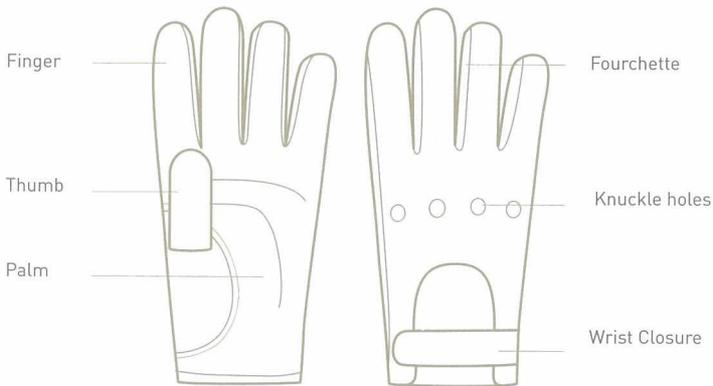
Expandable  
Strap

Sport Band

# 4.9 GLOVES

## Driving Gloves

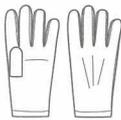
Driving gloves were initially used to keep motor car drivers' hands clean, because racing cars in the early days usually used wooden steering wheels taken directly from road cars. Modern driving gloves are made of soft, thin leather to minimise stress. They are designed with short cuffs to enable more movement, and feature openings at the knuckles and back of the hands for maximized flexibility. As fashionable as they are functional, both full-finger and fingerless driving gloves have become popular accessories among street dancers.



## GLOVE TYPES



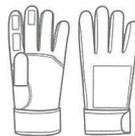
Short Gloves



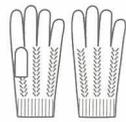
Wrist Length  
Gloves



Slip-on  
Gloves



Walking Gloves



Knit Gloves



Mittens



Fingerless  
Mittens



Fingerless  
Gloves



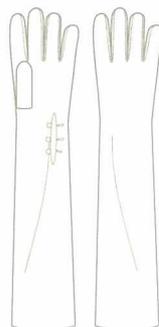
Half Gloves



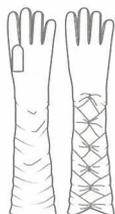
Igloo Gloves

## Opera Gloves

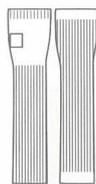
Opera gloves are a type of formal, elbow-length gloves that are tight-fitting to such an extent that women often need the help of talcum powder and buttonhooks to put them on. They are alternatively known as the Mousquetaire because of the openings at the wrists, which are fastened by a three-button or snap closure. In the 17th to 19th centuries, it was regarded as bad etiquette to put on or take off gloves entirely in public, so women would unbutton the Mousquetaire openings to slip their palms out, while tidily folding in the gloves' finger sections.



Long Gloves



Long Arm Gloves



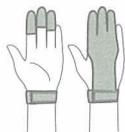
Fingerless Long  
Gloves



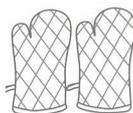
Gauntlets



Muff /  
Handwarmer



Archer's Gloves

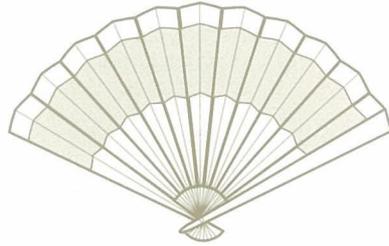


Oven Gloves

# 4.10 HAND FAN

## Pleated Fan

A type of folding fan made of a pleated curved leaf of paper, lace, silk or other sheer materials, which is glued onto two sticks of identical lengths riveted together at the end.



## Jenny Lind Fan

Similar in structure as the brise fan, the Jenny Lind fan is also known as the petal fan, due to the petal-shaped leaf attached to every rib. When opened up, the fan appears to have a single connected fan leaf. The petal leaves can be made of a variety of materials, such as silk, lace, paper and feathers.

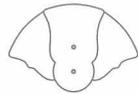
## HAND FAN TYPES



Brise Fan



Cockade Fan



Trifold Fan



Uchiwa Fan



Chinese Fixed Fan



Fixed Feather Fan



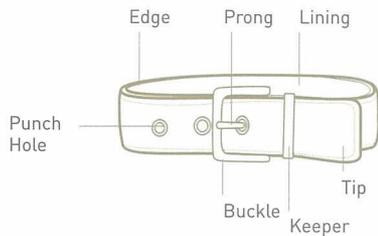
Comfyhold Fan



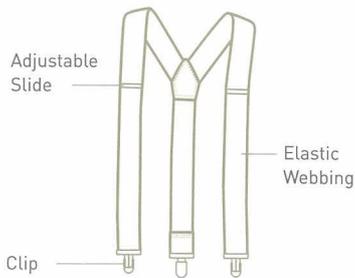
Thumbhold Fan

# 4.11 BELT

## Belt



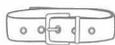
## Suspenders



## BELT TYPES



D-Ring Belt



Mesh Metal Belt



Grommet Belt

Surcingle Belt  
a woven belt with a leather tab and metal buckle

Braided Leather Belt



Webbing Belt with Cam Buckle



Metal Stretch Belt



Ribbon Belt



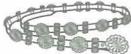
Snake Belt



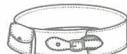
Western Belt



Cinch Belt



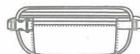
Concha Belt



Safari Belt



Cartridge Belt



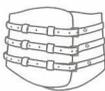
Money Belt



Cummerbund



Polo Belt



Kidney Belt



Obi Belt



Sash Belt



Ring Belt



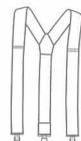
Chain Belt



String Belt



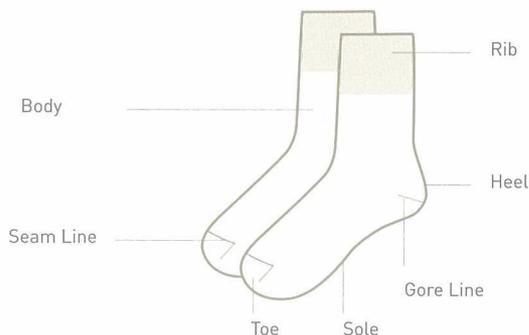
Sam Browne Belt



Suspenders

# 4.12 HOSIERY

## SOCKS, STOCKINGS AND TIGHTS



### SOCK TYPES



Foot Socks / No-show socks



Sneaker Socks



Ankle Socks



Crew Socks



Bobby Socks  
socks with thick uppers that are turned down to form a thick cuff at ankle height



Knee-high Socks



Over-the-knee Socks



Loose Socks



Thong Socks / Tabi



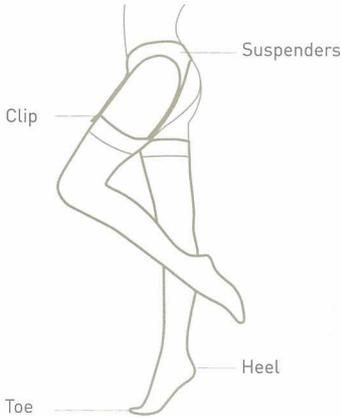
Toe Socks

### Leg Warmer



Traditionally designed for keeping ballerinas' legs warm, leg warmers have nowadays become a fashion item with both functional and styling purposes. They can be mixed and matched with a variety of footwear and leggings, such as layered inside or outside boots, over leggings and stockings, etc. New parents have also found leg warmers useful for keeping babies and toddlers warm while changing their diapers.

## STOCKING & TIGHT TYPES



Tights /  
Pantyhose



Control Tights



Tattoo Tights



Hold-ups

### Seamed Stockings

Nylon-made seamed stockings were greatly popular in the 1940s, but production was halted a mere one month after its launch due to World War II. American women came up with the idea of paint-on hosiery to imitate the appearance of seamed stockings - covering the length with nude-tone cosmetics and then drawing on a 'seam' at the back with an eyebrow pencil.



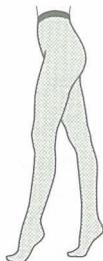
Open Toe Tights



Bare Invisible  
Tights



Stockings &  
Suspenders



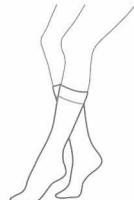
Fishnet Tights



Footless Tights



Knee-high  
Stockings

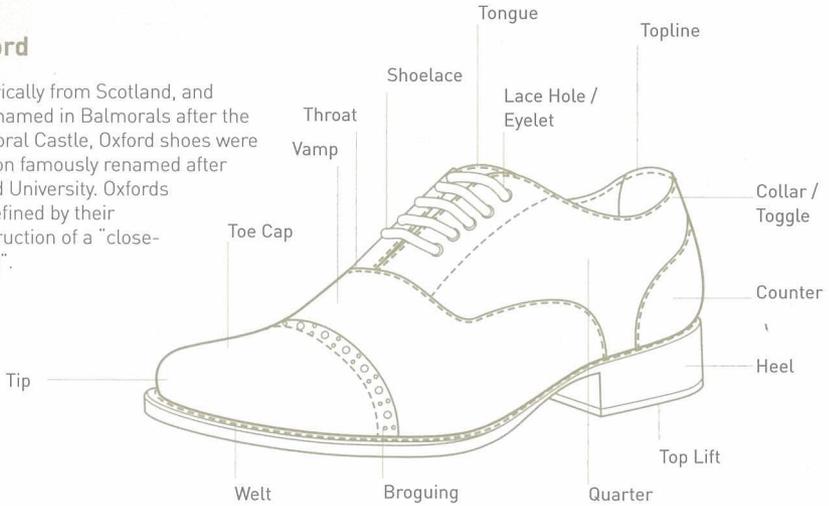


Calf-high  
Stockings

# 4.13 SHOES

## Oxford

Historically from Scotland, and once named in Balmorals after the Balmoral Castle, Oxford shoes were later on famously renamed after Oxford University. Oxfords are defined by their construction of a "close-lacing".



## FLATS



Ballet Flat



Folding Ballet Flat / Pixie Flat



Espadrille



Slip-on



Thong



Clog



Mule



d'Orsay Flat



Opera Pump



Boat Shoe / Deck Shoe



Moccasin

## Mary Jane

Initially known as bar shoes, the term Mary Jane was introduced in 1904, when the Brown Shoe Company started marketing this type of shoes after the popular comic characters Buster Brown and his sister Mary Jane.



Wallabee



Loafer



Penny Loafer



Brogue



Buck



Spectator



Balmoral / Galosh Oxford



Monkstrap



Derby



Blucher



Wingtip

## SANDALS



Flip-flop



Slide Sandal



Ankle Strap Sandal



Slingback Thong



Huarache



Gladiator



Fisherman Sandal



Platform



Cork Sandal



Espadrille Wedge

## HIGH HEEL SHOES



Pump



Pointy Pump



Mary Jane Pump



Stiletto



d'Orsay Pump



Slingback



T-Bar



Peep Toe Pump



Mule



Platform



Wedge



Oxford Pump



Kiltie Pump



Heel-less



Lita Boot

## Stiletto

Named after the stiletto dagger, owing to the resemblance in its silhouette, the stiletto heel refers to a type of thin, narrow high heel usually found on women's boots and shoes. Favoured for the optical illusion it gives - longer and more slender legs, tinier feet, greater height and more flattering proportions - the stiletto is often featured in popular culture partly due to its seductive image.

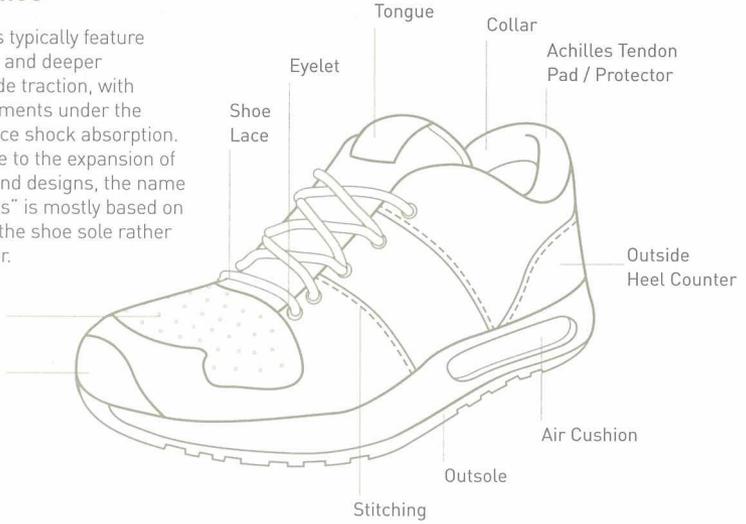


### Athletic Shoe

Athletic shoes typically feature a flexible sole and deeper tread to provide traction, with additional elements under the heel to enhance shock absorption. Nowadays due to the expansion of the industry and designs, the name "athletic shoes" is mostly based on the design of the shoe sole rather than the upper.

Punch Hole / Perforation

Foxing



### BOOTS



Flat Shoe Boot



Ankle Boot



Chukka



Desert Boot



Multi-buckle Boot



Steel-toe Boot



Dress Boot



Duck Boot



Work Boot



Australian Boot



Hiking Boot



Jodhpur Boot



Deck Boot



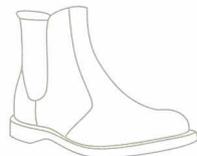
Harness Boot



Pecos Boot

### Chelsea / Side Gore Boot

Chelsea boots, characterized by elastic side gores, can be traced back to the Victorian era when they were worn by men and women alike. Shoemaker Anello & Davide reimagined the Chelsea boots in the 1960s with Cuban heels and pointed toes for The Beatles. This variant became known as the Beatle boots.





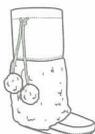
Logger Boot



UGG Boot

Indian Boot /  
Moccasin Boot

Rigger Boot



Mukluk



Tanker Boot

Snow Boot /  
Moon Boot

Cowboy Boot

Galoshe /  
Wellington Boot

Slouch Boot

## ATHLETIC SHOES & SNEAKERS



Plimsoll



Vans Slip-on

Low-top  
ConverseHigh-top  
Converse

Hiking Shoe



Tennis Shoe



Soccer Shoe



Running Shoe



Bowling Shoe



Basketball Shoe

## TOE TYPES



Pointed Toe



Almond Toe



Square Toe



Shell Toe



Peep Toe



Wing Tip



Bicycle Toe



Cap Toe



Perf Toe

## HEEL TYPES



Flat Heel



Dutch Heel

Concealed /  
Secret Heel

French Heel

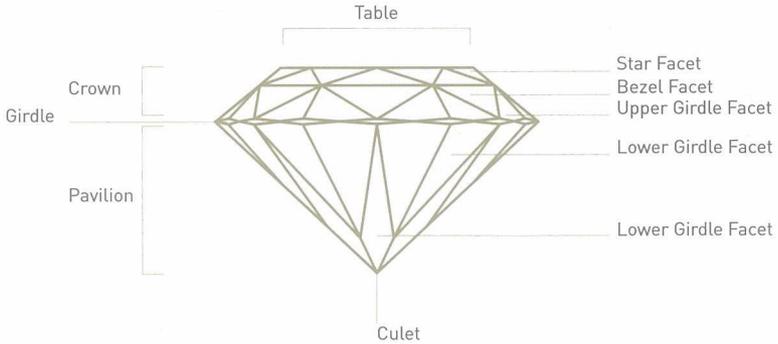


Wedge Heel



Stiletto Heel

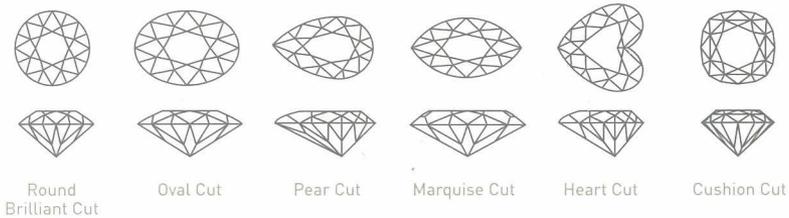
# 4.14 GEM



## HARDNESS OF DIFFERENT GEMS

MINERAL	HARDNESS SCALE	SCRATCH TEST	OTHER FACTS
Talc	1	scratchable with fingernail	used in talcum powder
Gypsum	2	scratchable with fingernail	ingredient of plaster
Calcite	3	scratchable with copper coin	used in cement
Fluorite	4	scratchable with nail	used in toothpaste
Apatite	5	scratchable with nail	mineral in bones
Feldspar	6	scratch with porcelain tile	ingredient of glass
Quartz	7	scratches window glass	ingredient of glass
Topaz	8	scratches glass	gems
Corundum	9	scratches topas	rubies & sapphires
Diamond	10	scratches corundum	used in rings

## GEM CUTS



Round Brilliant Cut

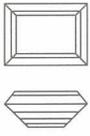
Oval Cut

Pear Cut

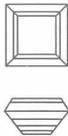
Marquise Cut

Heart Cut

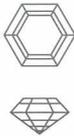
Cushion Cut



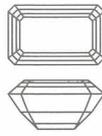
Rectangle  
Step Cut



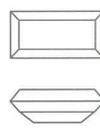
Square  
Step Cut



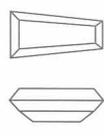
Round Hexagonal  
Step Cut



Emerald  
Cut



Baguette Cut



Tapered  
Baguette Cut



Scissor Cut



Round  
Hexagonal  
Scissor Cut



Oval  
Hexagonal  
Scissor Cut



Radiant Cut



Princess Cut



Trillion Cut



Old Mine Cut



Eight Cut



Asscher Cut



French Cut



Table Cut



Point Cut



Half Dutch  
Rose Cut



Dutch  
Rose Cut



Double  
Rose Cut



Three-facet  
Rose Cut



Six-facet  
Rose Cut



Antwerp  
Rose Cut



Briolette Cut



Faceted  
Teardrop Cut



Flat  
Cabochon  
Cut



Cabochon Cut



Smooth Cut  
Plain Sphere



Smooth Cut  
Teardrop

# 4.15 RING

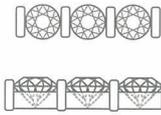
## Engagement Ring Set

A matching set consisting of an engagement ring and a wedding band that complement each other. The engagement ring is worn after an engagement and before the wedding, and the wedding band is worn after the wedding ceremony. Some brides choose to wear only the wedding band after the ceremony, while others may opt to weld the two together.

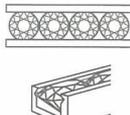
A larger, set center stone is commonly found on engagement rings, whereas wedding bands usually use smaller pavé stones.



## GEM SETTINGS



Bar Setting



Channel Setting



Pavé / Bead Setting



Bezel Setting



Prong Setting



Invisible Setting



Flush Setting



Tension Setting



## RING TYPES



Solitaire Ring



Tension Ring

Flush Setting  
Ring

Bezel Ring



Halo Ring



Band Ring



Charm Ring



Posy Ring



Spiral Ring



Triple Ring



Crossover Ring



Puzzle Ring



Irish Claddagh Ring



Fede Ring



Round Ring



Peace Ring

Poison Ring  
with a container under  
or inside the bezel

College Ring



Hollow Ring



Spoon Ring



Signet Ring

Sovereign Ring  
has a gold sovereign  
as primary decorative feature

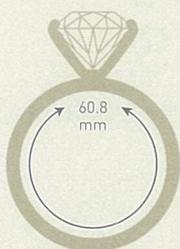
## Eternity Ring

An eternity ring is a type of women's ring, normally gifted to the wife by her husband on a special occasion or significant anniversary, such as a 50th anniversary. It is a precious metal band of gold or silver, set with a continuous pavé line of identical gems, typically diamonds, to symbolize eternal love.

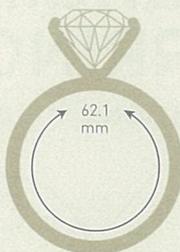
The concept was conceived in the 1960s as a means of promoting smaller diamonds of less than 0.25 carats. Marketing strategies involved campaign slogans targeting husbands, with the most famous one being "She married you for richer or poorer. Let her know how it's going", which made the idea greatly popular.



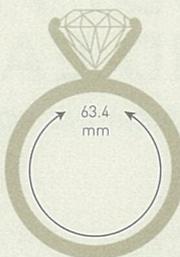




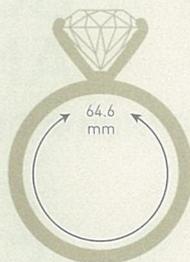
Size 9.5



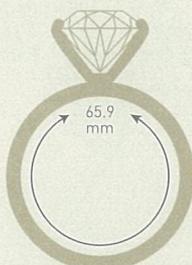
Size 10



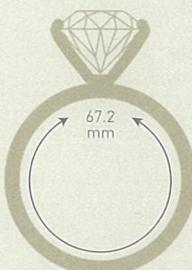
Size 10.5



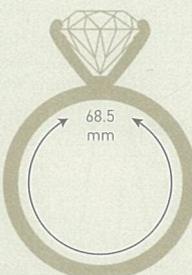
Size 11



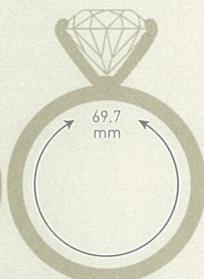
Size 11.5



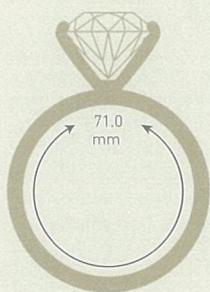
Size 12



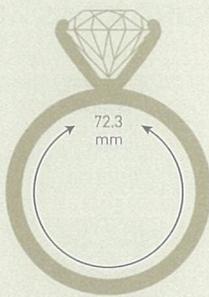
Size 12.5



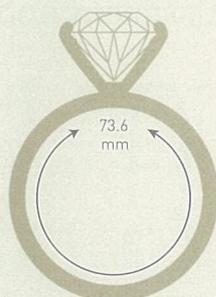
Size 13



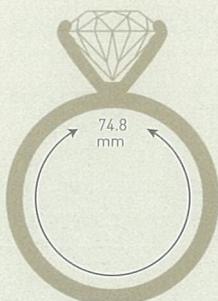
Size 13.5



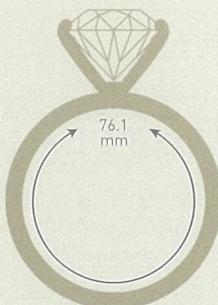
Size 14



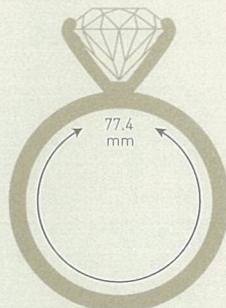
Size 14.5



Size 15



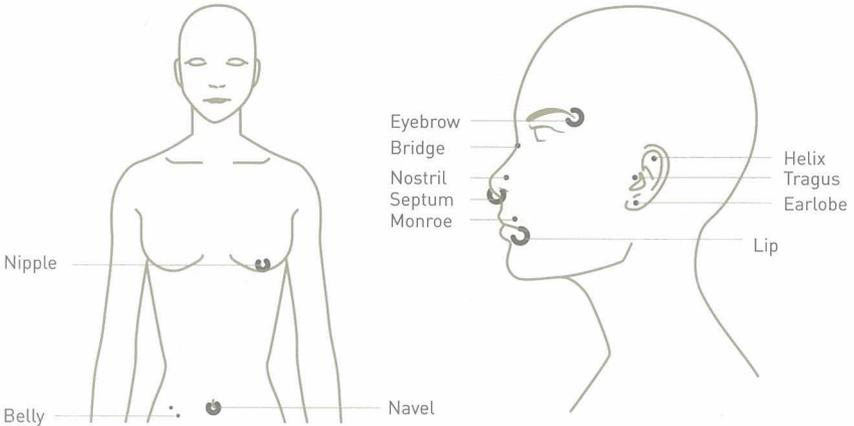
Size 15.5



Size 16

# 4.16 BODY PIERCING AND EARRINGS

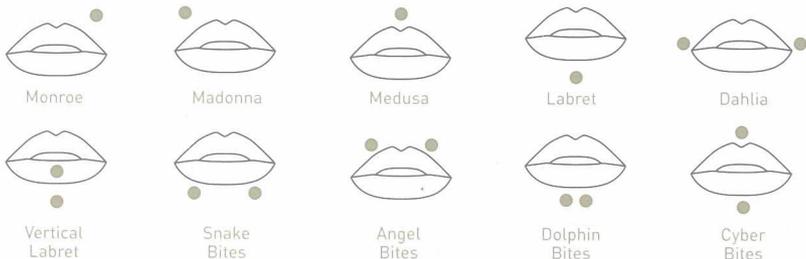
## COMMON BODY PIERCING POSITIONS



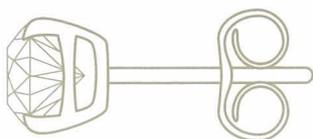
## DIFFERENT BODY PIERCING RINGS AND BARS



## LIP PIERCINGS



## EARRING TYPES



### Stud Earring

A stud earring is the most basic type of earring for pierced ears. A gem or ornament is mounted on a narrow post, which is inserted through an ear piercing and held in place by a clutch back on the other side, creating the impression of the ornament floating in front of the ear. Besides being a favoured accessory for its simple design, it is also commonly used in other parts of the body.



Hoop Earring



Drop Earring

hung just below the earlobe and is often stationary or moves very little



Dangle Earring



Tassel Earring



Chain Ear Cuff



Chain Ear Wire

## EARRING FASTENERS



Snap Back



Hinged Earwire



Screw Back



Clip-on



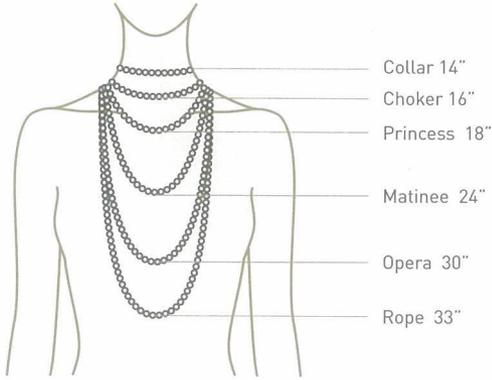
Omega Back /  
French Clip Back



Fish Hook

# 4.17 NECKLACE

## LENGTHS OF NECKLACE



## CLASP TYPES



Lobster Clasp



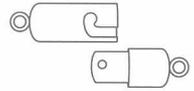
Swivel Lobster Clasp



Spring Ring



Toggle Clasp



Bayonet Clasp

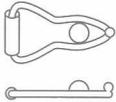
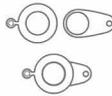


Figure 8 Safety Clasp



Open Box Clasp



Snap Clasp



Magnetic Clasp



S-Hook



Slide Clasp



Pearl Clasp



Barrel Clasp

## NECKLACE TYPES



Pendant



Cross Pendant



Crusader's Cross

Medallion  
Necklace

Solitaire Necklace



Locket Pendant



Tassel Pendant



Y-Necklace



Lariat Necklace



Invisible Necklace



Statement Necklace



Graduated Necklace

Neck Ring /  
Torc Necklace

Collar



Egyptian Collar



Esclavage Necklace



Sautoir



Beggar Beads

# 4.18 BRACELET



## Charm Bracelet

A type of jewellery worn around the wrist, a charm bracelet is decorated with 'charms' of personal significance, such as ornaments, pendants or trinkets that symbolize important events or things in the wearer's life. Renowned jeweller Tiffany & Co. launched their first charm bracelet in 1889 - a link bracelet with a single dangling heart charm - which has now become an iconic design of the brand.

## BRACELET TYPES



Cuff



Bangle



Hinged  
Bangle



Tennis  
Bracelet



Friendship  
Bracelet



Chain  
Bracelet



Charm  
Bracelet



Coiled  
Bracelet



Snake  
Bracelet



Sport  
Wristband



Leather  
Wristband



Spring  
Bracelet



Slide  
Bracelet



Bead  
Bracelet



Scarab  
Bracelet



Expandable  
Bracelet



Elastic  
Bracelet



Identity  
Bracelet



Smart  
Bracelet



Bracelet  
Ring

## 4.19 OTHER ACCESSORIES



Body Wire / Body  
Tattoo



Stick-on Body  
Jewelry



Anklet



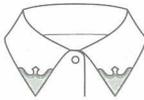
Toe-ankle Chain



Armlet



Collar Chain



Collar Tips



Collar Pins



Tie Pin



Lapel Pin



Brooch



Regimental  
Badge



Cufflinks



Hat Pin

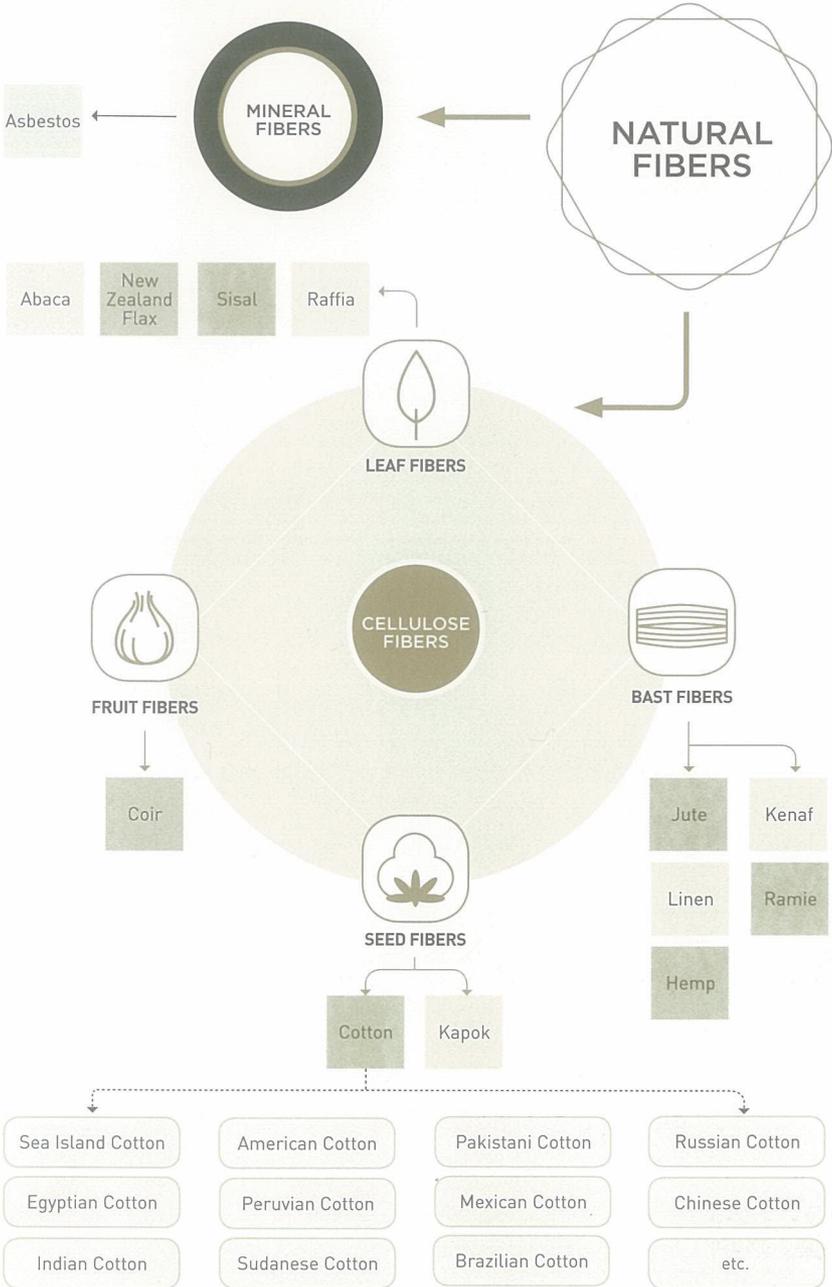
I LIKE LIGHT,  
COLOR,  
LUMINOSITY.  
I LIKE THINGS FULL  
OF COLOR  
AND VIBRANT.

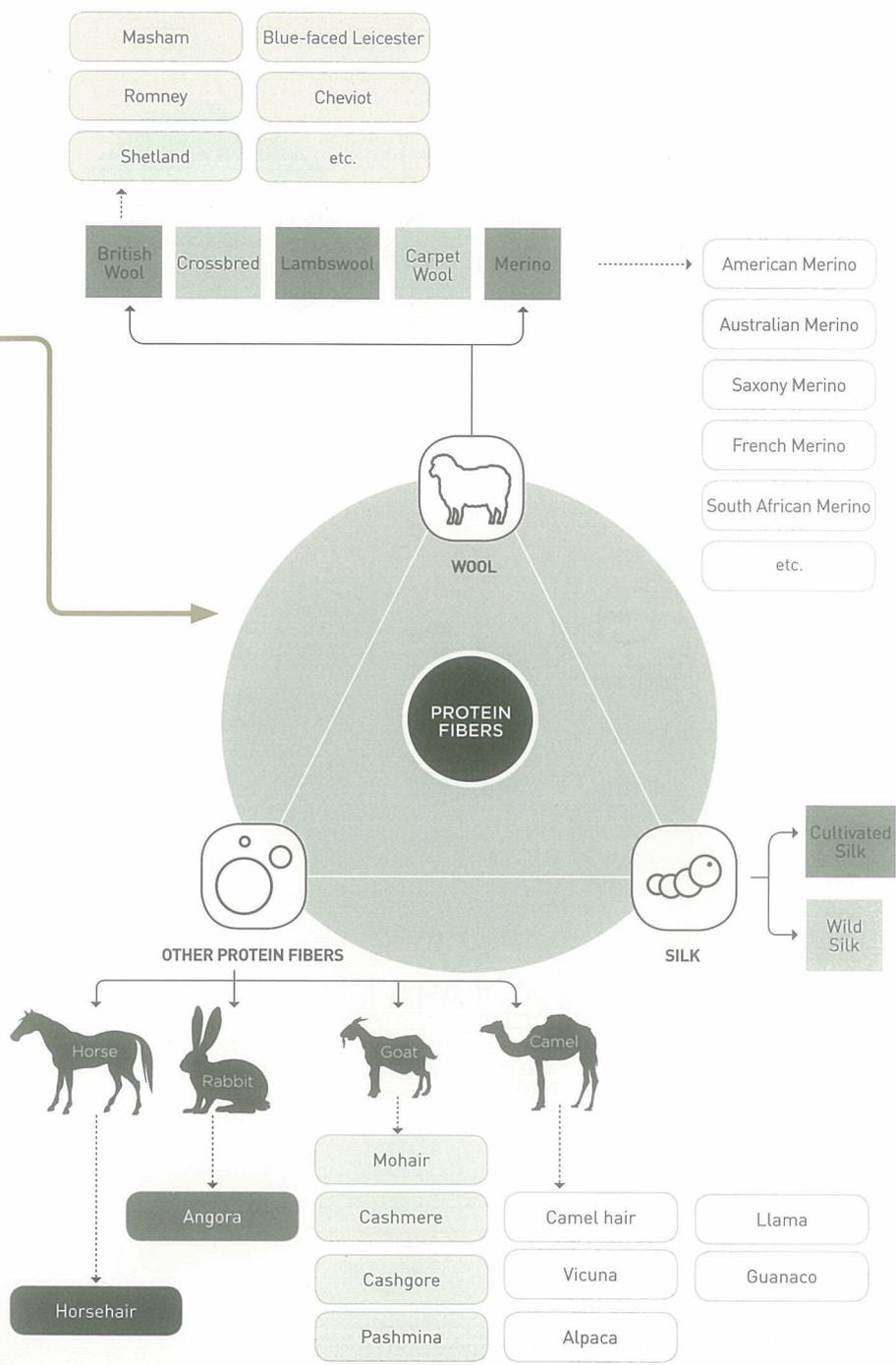
/ OSCAR DE LA RENTA



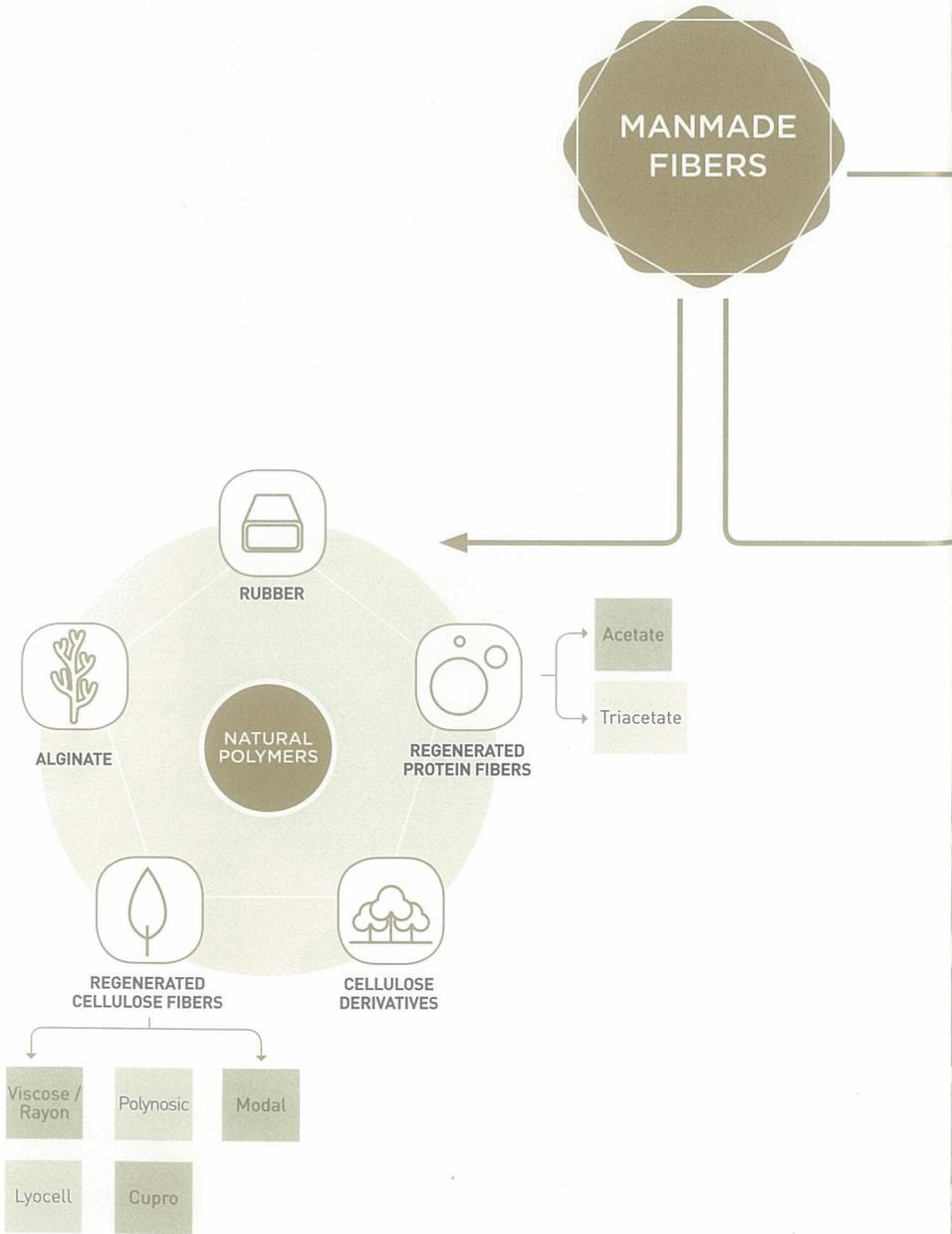
# 5.1 FIBER

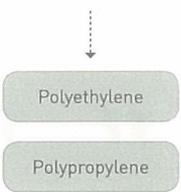
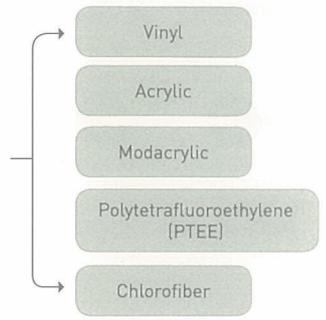
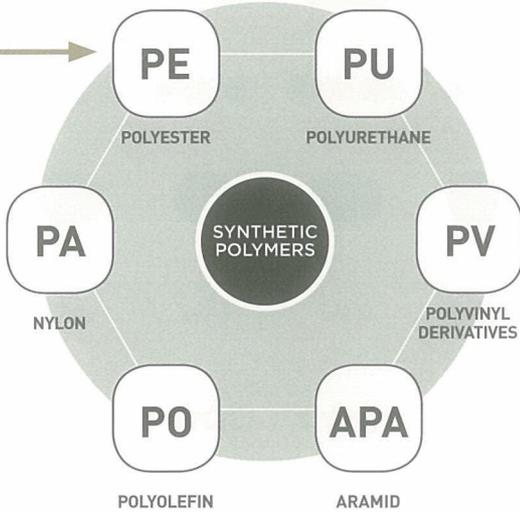
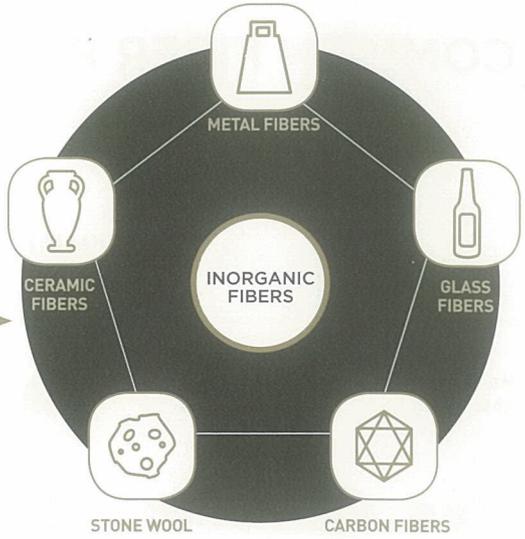
## NATURAL FIBER CLASSIFICATION





# MANMADE FIBER CLASSIFICATION





# COMMON FIBER PROPERTIES

	NATURAL FIBERS			
	Cotton	Linen	Wool	Silk
Moisture Absorption				
Mold Resistance				
Max. Temperature of Ironing (°C)				
UV Resistance				
Handfeel				
Anti-abrasion				
Anti-pilling				
Resilience				
Electrical Conductivity				
Thermoplastic				

## MAN-MADE FIBERS

Acetate	Viscose / Rayon	Acrylic	Nylon	Polyolefin	Polyester

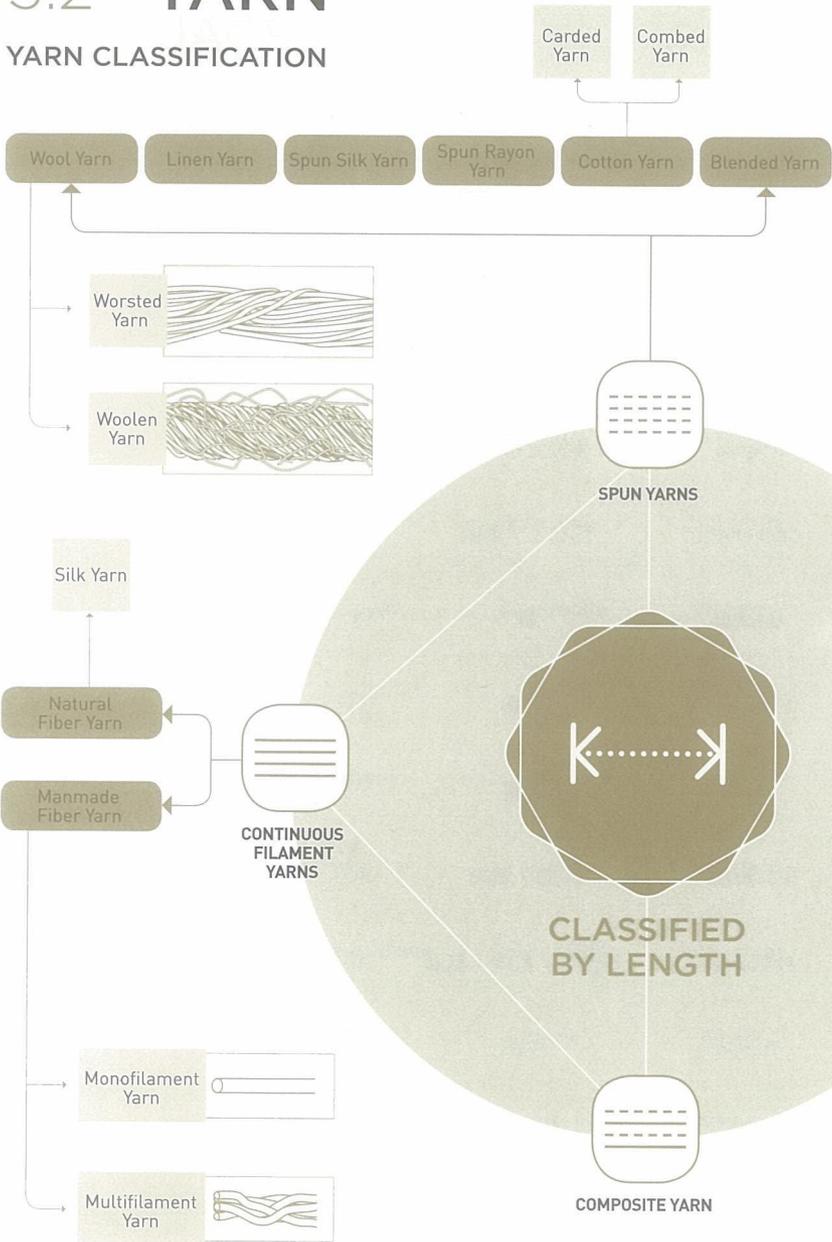
# FIBER NAMES IN DIFFERENT LANGUAGES

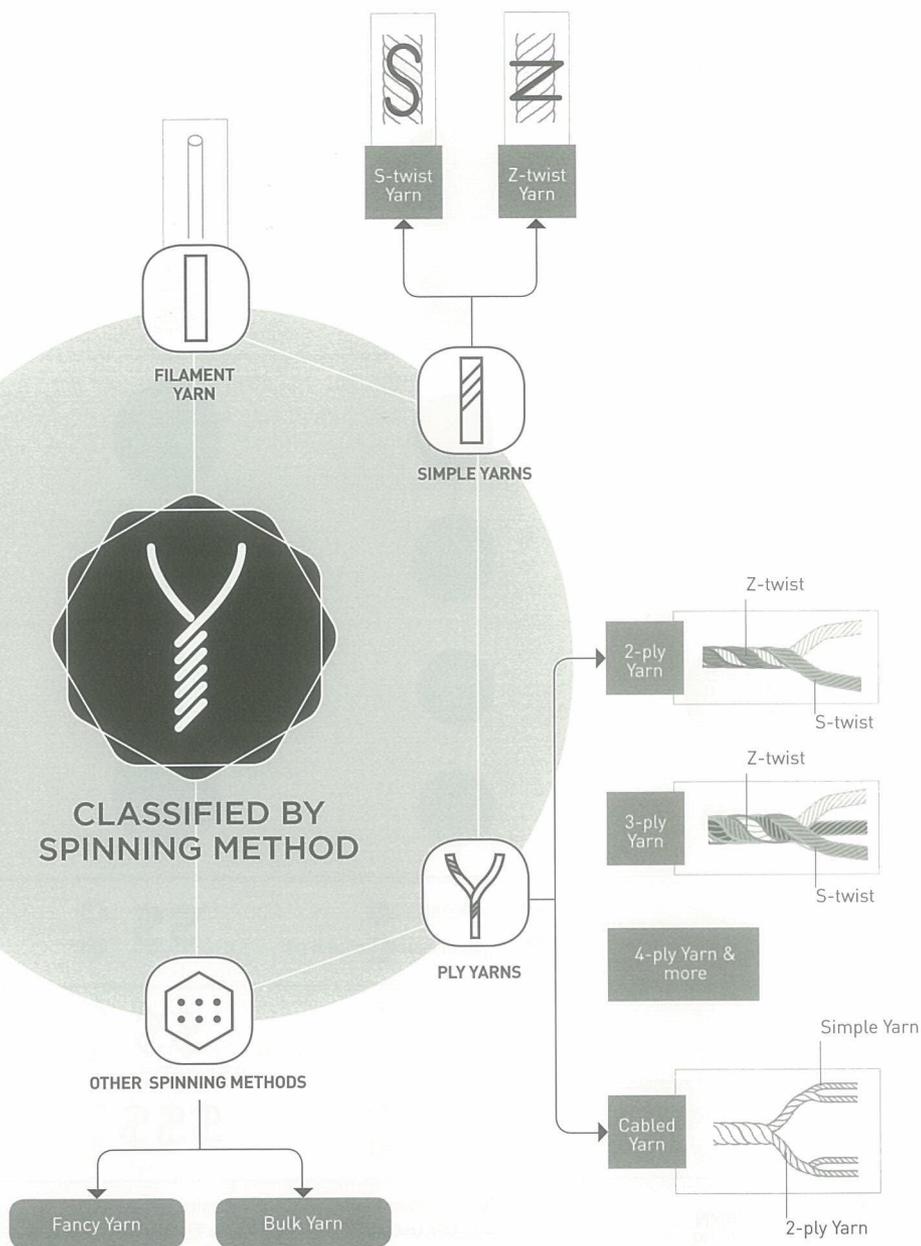
CODE	ENGLISH	FRENCH	GERMAN	ITALIAN
AC	Acetate	Acétate	Acetat	Acetato
PC	Acrylic	Acrylique	Acryl	Acrilico
WA	Angora	Angora	Angora	Angora
WS	Cashmere	Cachemire	Kaschmir	Cachemire
CO	Cotton	Coton	Baumwolle	Cotone
LI	Linen	Lin	Leinen	Biancheria
PA	Nylon	Nylon	Nylon	Nylon
PE	Polyester	Polyester	Polyester	Poliestere
PU	Polyurethane (Spandex / Lycra)	Polyuréthane	Polyurethan	Poliuretano
RA	Ramie	Ramie	Ramie	Ramiè
VI	Rayon	Rayonne	Kunstseide	Raion
SE	Silk	Soie	Seide	Seta
WO	Wool	Laine	Wolle	Lana

SPANISH	CHINESE	JAPANESE	KOREAN
Acetato	醋酸 / 醋酸纖維	アセテート	아세테이트
Acrílico	聚丙烯腈 / 腈綸 / 人造毛	アクリル	아크릴
Angora	安哥拉兔毛 / 兔毛	アングラ	앙고라
Cachemira	開司米 / 羊絨	カシミア	캐시미어 천
Algodón	棉	棉 (コットン)	면
Lino	亞麻	亞麻 (リネン)	리넨
Nylon	尼龍	ナイロン	나일론
Poliéster	聚酯 / 滌綸	ポリエステル	폴리 에스테르
Poliuretano	聚氨酯 / 拉架 / 氨綸	ポリウレタン	폴리 우레탄
Ramio	苧麻	苧麻 (カラムシ)	라미
Rayón	人造絲 / 黏纖維	レーヨン	레이온
Seda	蠶絲	絹 (シルク)	실크
Lana	羊毛	ウール	양모

# 5.2 YARN

## YARN CLASSIFICATION





# PERFORMANCE OF DIFFERENT TYPES OF YARNS IN FABRICS

YARN TYPE	AESTHETICS	COST
<b>SPUN YARN</b>		
Combed Yarn	Lustrous	\$\$\$
VS		
Carded Yarn	Loose hairy	\$
<hr/>		
Worsted Yarn	Smooth, fine	\$\$\$
VS		
Woolen Yarn	Fuzzy, soft	\$
<hr/>		
Simple Yarn	Fuzzy, soft	\$
VS		
Ply Yarn	Bulkier	\$\$\$
<hr/>		
<b>CONTINUOUS FILAMENT YARN</b>	<ul style="list-style-type: none"> <li>☀️ Lustrous</li> <li>😊 Less likely to lint and pill</li> </ul>	\$\$
<hr/>		
<b>BULK YARN</b>	<ul style="list-style-type: none"> <li>😞 Less lustrous</li> <li>★ Does not lint but pills easily</li> </ul>	\$\$
<hr/>		
<b>FANCY YARN</b>	<ul style="list-style-type: none"> <li>😊 Interesting texture</li> <li>😞 Lints &amp; pills easily</li> </ul>	\$\$\$
<hr/>		
<b>COMPOSITE YARN</b>	Varies depending on fiber used	Varies depending on fiber used

## DURABILITY

## COMFORT

## CARE

Stronger

Weaker

Gentle to skin

Less gentle

Less shrinkage

More shrinkage

Stronger

Weaker

Warmer,  
dry to skin

Bulkier

Does not snag easily

Snags easily

Weaker

Stronger

Does not snag easily

Snags easily



Stronger



Ravels easily



Cooler to skin



Poor water absorbency

Snags easily

Does not soil easily



Stronger



Less raveling than filament yarn



Warmer



High water absorbency

Snags easily

Soils easily



Weaker



Lower abrasion resistance



Warmer



High water absorbency

Snags easily

Soils easily

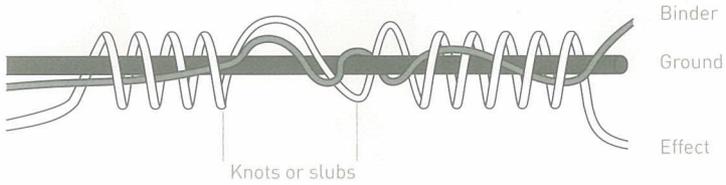
Related to Process

Varies depending on fiber used

Varies depending on fiber used

# FANCY YARN

## STRUCTURE OF FANCY YARN



## COMMON TYPES OF FANCY YARN



Marled Yarn



Spiral / Corkscrew Yarn



Bouclé Yarn



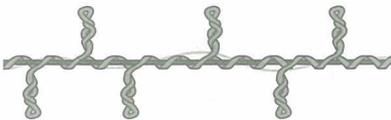
Loop Yarn



Gimp Yarn



Diamond Yarn



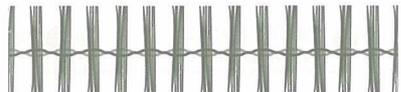
Snarl Yarn



Snap Yarn



Slub Yarn



Chenille Yarn

# YARN COUNT

## YARN COUNT SYSTEM

### INDIRECT SYSTEM



SPUN YARNS

- / used on all spun yarns
- / number of length units per unit mass
- / higher the count number, finer the yarn  
lower the count number, coarser the yarn

System	Symbol	Length unit	Mass unit	Conversion formula to Nm
Cotton count	NeC/ ECC	840 yd	1 lb	$C \times 1.693362$ $C \div 0.590541$
Metric	Nm	1 km	1 kg	/

Calculation of yarn count :

$$N = \frac{L}{W} \times H$$

N = Yarn count  
L = Length

W = Weight of standard regain  
H = Length of standard hank  
(constant)

### DIRECT SYSTEM



CONTINUOUS FILAMENT YARNS

- / used on all continuous filament yarns
- / number of mass units per unit length.
- / higher the count number, coarser the yarn  
lower the count number, finer the yarn

System	Symbol	Mass unit	Length unit	Conversion formula to Nm
Denier	Td	1g	9 km	$9,000 \div Td$
Tex	Tt	1g	1 km	$1,000 \div Tt$

Calculation of yarn count:

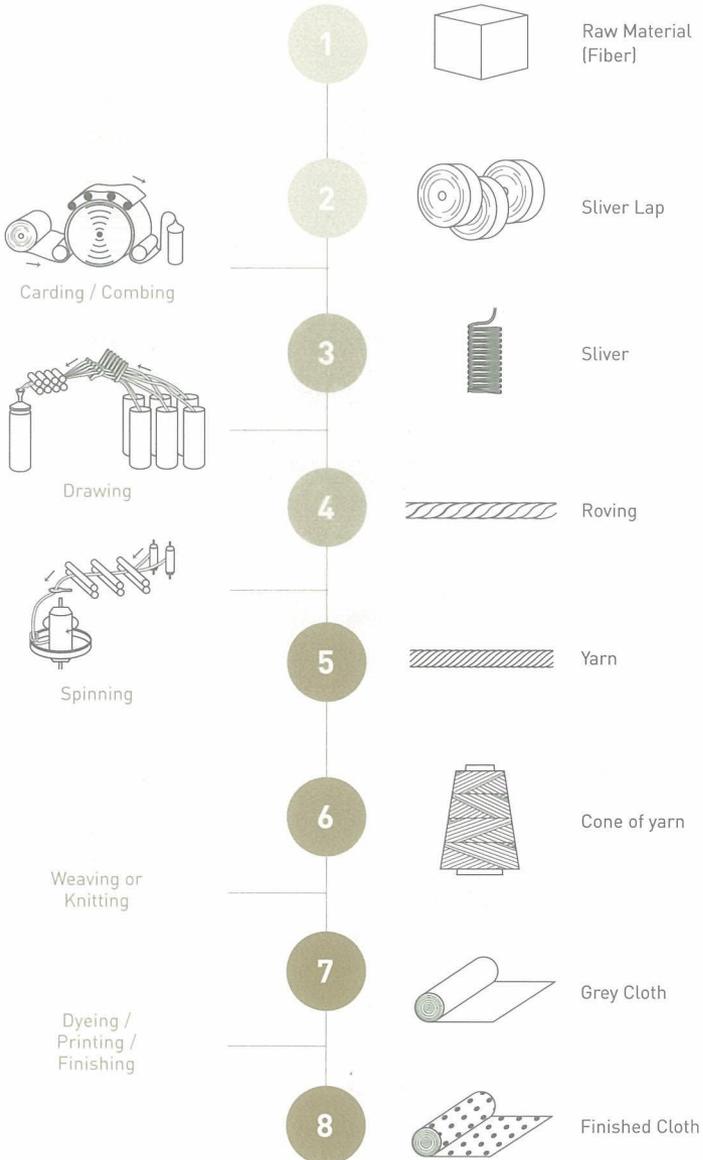
$$N = W \times \frac{H}{L}$$

N = Yarn number  
L = Length

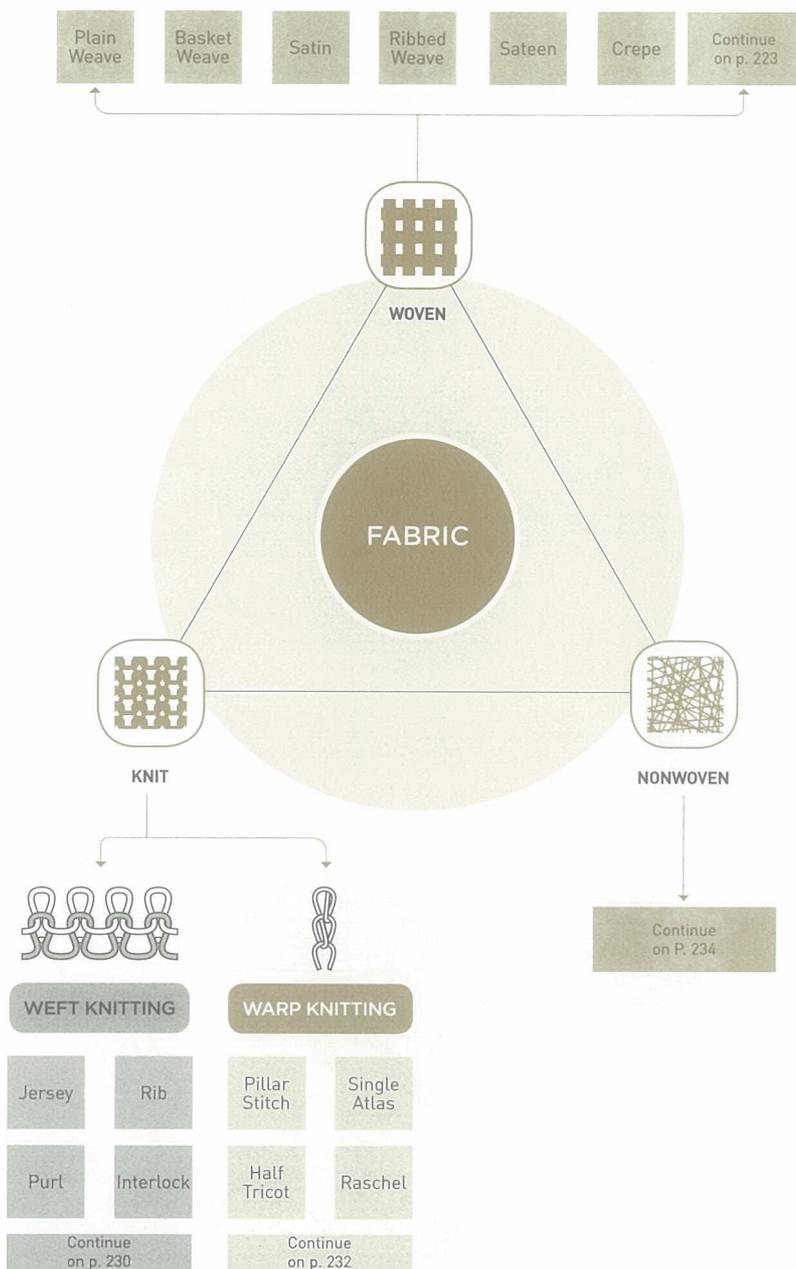
W = Weight of standard regain  
H = Length of standard hank  
(constant)

# 5.3 FABRIC

## WOVEN, KNIT & NONWOVEN

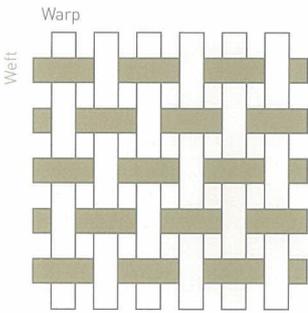


# FABRIC CLASSIFICATION



# WEAVES

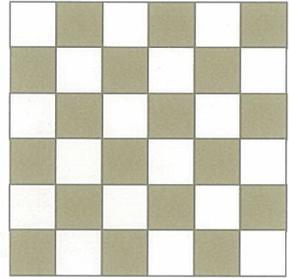
Weaving is one of the most common methods of textile production, forming fabric by interlacing two distinct sets of yarns or threads at right angles. The two sets of threads include the longitudinal-running 'warp' and the lateral-running 'weft' (also known as 'filling'). Different ways of interweaving these threads will result in varying characteristics of the cloth.



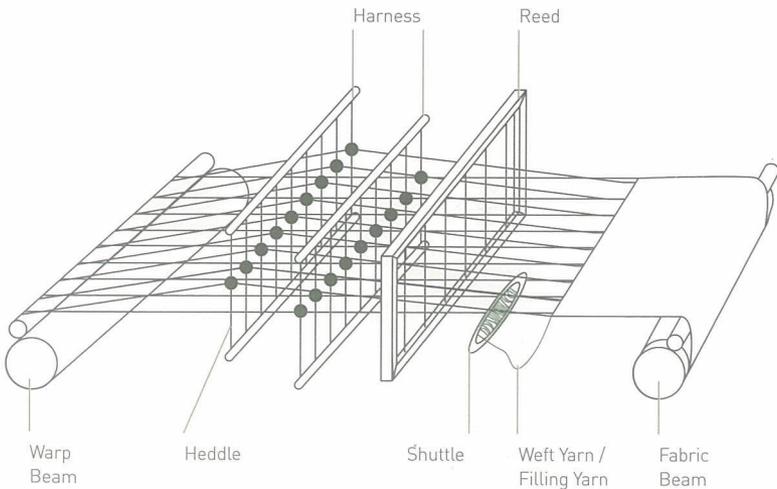
Plan View



Cross View



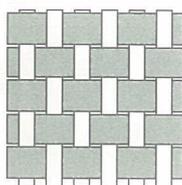
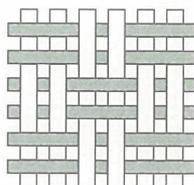
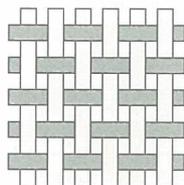
Weave Design Structure



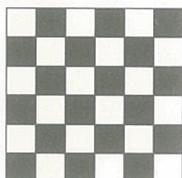
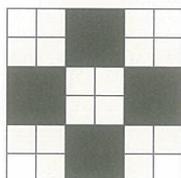
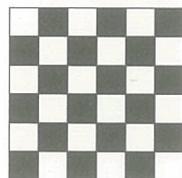
# BASIC WEAVES

## NAME                      PLAIN WEAVE                      BASKET WEAVE                      RIBBED WEAVE

### PLAN VIEW



### STRUCTURE



Individual weft threads pass over and under each warp alternately in a square pattern.

Simultaneously interlacing two or more warps with one or more fillings, creating a more balanced structure.

Plain weave with distinct wales or cords (a ribbed pattern) woven in the warp or filling.

### APPEARANCE

Usually flat with no distinct design, unless yarns of varying colors and thicknesses are used.

A variation of plain weave, basket weave creates an attractive checkerboard pattern, often using contrasting colors in the warp and weft for stronger effect.

A variation of the plain weave, it is woven with a ribbed or corded pattern for texture and design.

### PROPERTIES

Easy and inexpensive to produce, offering maximum yardage. Yarn count and balance determine the durability of the fabric. Can be adapted for finishing processes, such as printing.

Inexpensive production. Drapable, absorbent, reasonably resilient and flexible. More easily soiled and less durable than plain weave.

Offers good drape. Prominent ribs affect the durability of the fabric. Tension may cause yarn slippage.

### TYPICAL FABRICS

batiste, cheesecloth, cretonne, gingham, percale, voile, plaid

monk's cloth, oxford

bengaline, broadcloth, dimity, faille, poplin, rep, taffeta, grosgrain

	TWILL	SATIN	SATEEN	CREPE
PLAN VIEW				
STRUCTURE				
	<p>Three-shaft or higher. Warp or weft floats over two or more counterpart yarns, progressively stepped up in right or left direction.</p>	<p>Four-shaft or higher. Warp floats in interrupted diagonal.</p>	<p>Four-shaft or higher. Weft floats in interrupted diagonal.</p>	<p>A combination of plain weave and satin or sateen.</p>
APPEARANCE	<p>Left- or right-hand diagonal. Variations of design include houndstooth, chevron (also known as herringbone), corkscrew, etc., which may be enhanced by colored yarns.</p>	<p>Smooth and compact. Interrupted diagonal visible when viewed with magnifying glass.</p>	<p>A variation of satin weave. Smooth and compact.</p>	<p>Textured, crimped and crisp surface with an irregular, indistinct pattern.</p>
PROPERTIES	<p>Strong and firm texture. Better drapability and resilience than plain weave, and with more interesting designs. Possible to develop shine.</p>	<p>Lustrous, with remarkable drapability. Possible snagging of floats.</p>	<p>Similar to satin. Can be made from staple yarns and Schreinerized for a lustrous finish.</p>	<p>Interesting texture. May have good strength, drapability, durability and resilience, depending on a number of factors such as the fiber, yarn twist, structure and compactness.</p>
TYPICAL FABRICS	<p>denim, drill, gabardine, tweed, houndstooth, herringbone</p>	<p>satin, slipper satin, crepe-back satin, duchesse satin</p>	<p>sateen</p>	<p>granite, moss crepe, sand crepe, wool crepe</p>

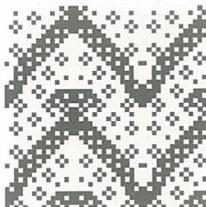
# BASIC FANCY WEAVES

## NAME

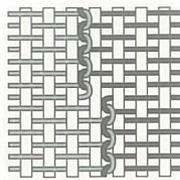
## FIGURE WEAVES

### PLAN VIEW

#### JACQUARD



#### TAPESTRY



TAPESTRY INTERLOCK

#### PIQUÉ

#### CROSS SECTION

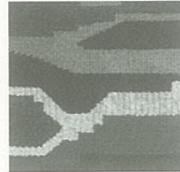


— weft yarn  
● warp yarn

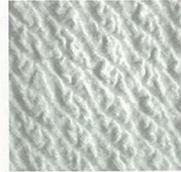
### PHOTO / STRUCTURE



Possible to use any combination of weaves and patterns, as each warp is controlled individually with each pick passage.



A thick fabric with multi-colored, pictorial woven patterns, with the warp yarn controlling the color. Nowadays, it is mostly replaced by jacquard tapestry.



A fabric with pronounced ridges, known as wales or cords, which are upheld by floats on the back surface. In better quality piqué textiles, 'stuffer yarns' are laid under the wales or cords to enhance the fullness. Cotton yarn is always used for piqué weave.

### APPEARANCE

Multi-colored and unlimited variety of intricate designs on all types of backgrounds.

Tapestry is a type of weft-faced weaving, with all warp threads concealed in the finished product, in comparison to cloth weaving where both the warp and weft threads can be seen.

The word 'piqué' originates from the French term for 'quilted', as the raised effect in piqué fabrics resembles those in quilts.

### PROPERTIES

Attractive, good drapability and reasonable durability, which depends on the weave and yarn used.

Attractive yet bulky. Used as decorative textile art rather than in apparel.

Interesting finish and surface effects.

### TYPICAL FABRICS

brocade, brocatelle, damask, matelassé, jacquard tapestry

jacquard tapestry

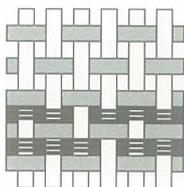
waved piqué, loose back piqué

**SURFACE FIGURE WEAVES**

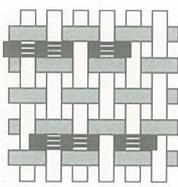
**PILE WEAVES**

PLAN VIEW

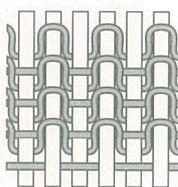
**DOBBY**



**SWIVEL**



**UNCUT PILE**



**CUT PILE**

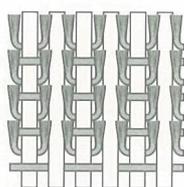
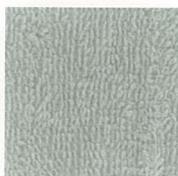


PHOTO / STRUCTURE



**HUCKABACK**

Multiple types of interlacings. Could create geometric patterns.

**DOTTED SWISS**

Surface of fabric is woven with small designs by insertion of extra weft yarns.

**TERRY CLOTH**

An additional set of warps or wefts is woven over the ground yarns of plain or twill weave to create loops on the surface.

**VELVET**

Similar to uncut pile but with the pile loops cut.

APPEARANCE

Decorative designs. Often with a ribbed effect, resulting in a textured surface.

Decorative, sometimes multi-colored designs. Extra yarns are used to form the design and are cut on the reverse side.

Yarns woven perpendicularly into the ground weave results in a three-dimensional effect in uncut pile fabrics.

Soft, brush-like texture. Sometimes with rows of cut pile in various lengths.

PROPERTIES

Attractive, and generally good body.

Attractive. Design yarns may roughen on the back and pull out.

Soft, warm, absorbent and resilient, with interesting texture and surface effects. Softness and absorbency are determined by the loops' compactness and the twist of pile yarn.

Soft, warm, absorbent and resilient, with interesting texture and surface effects. Softness and absorbency are determined by the loops' compactness and the twist of pile yarn.

TYPICAL FABRICS

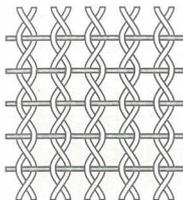
huckaback, granite weave

dotted swiss

frieze, terry cloth

corduroy velvet, velveteen

## GAUZE (LENO)



LENO WEAVE

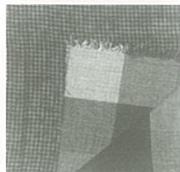
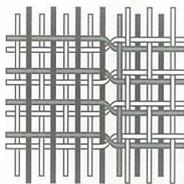
Pairs of warps are inter-twisted after each weft passes through.

An open mesh structure with securely held yarns. Variations include ribbed effects.

Sheer, gauzy, lightweight yet durable.

grenadine, marquissette

## DOUBLE CLOTH



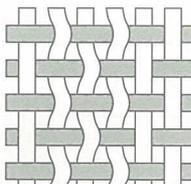
Two units of separately woven fabrics are woven together using an extra set of yarns.

Different on both surfaces, may be reversible. Thick and heavy.

Good strength and warmth. Possibly bulky.

blanket cloth, coatings, upholstery

## SLACK TENSION



SEERSUCKER

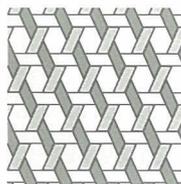
A variation of pile weave, slack tension fabric is made by releasing the tension from some warp yarns in the loom to create texture or pile.

Crinkly stripes, piled surface.

Absorbent and non-wrinkling.

seersucker

## TRIAxIAL



TRIAxIAL WEAVE

Constructed from three yarns running in different angles.

Porous structure with a cane-like pattern.

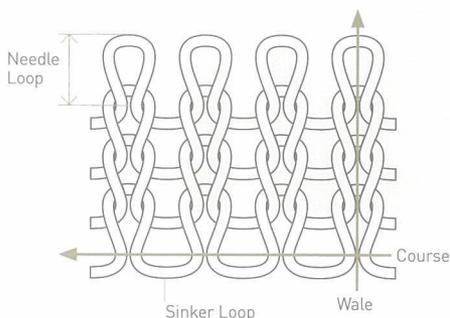
Good strength and stability. Limited stretch.

industrial uses and home furnishings

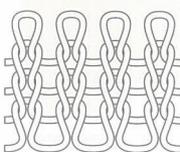
# KNIT

Knitting is a common type of textile and fabric production method using yarn. The two main types of knit fabrics are 'weft-knit' and 'warp-knit' fabrics. Warp-knitted textiles, such as tricot and Milanese, are resistant to runs and commonly used for lingerie. Weft-knit fabrics are more common and easier to produce, but are susceptible to unravelling (running) when cut, unless they are repaired.

## PLAN VIEW



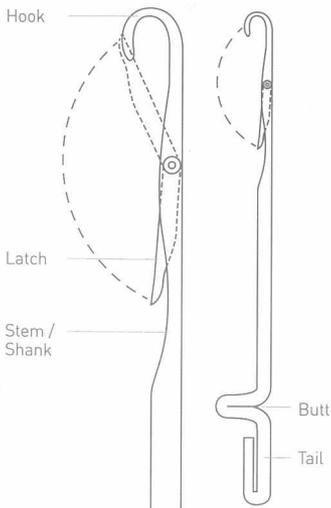
## TECHNICAL FRONT



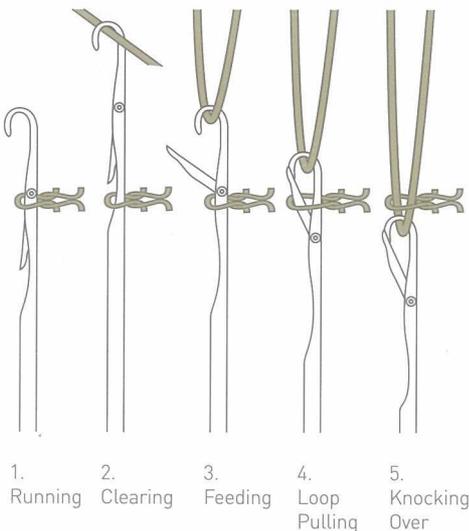
## TECHNICAL BACK



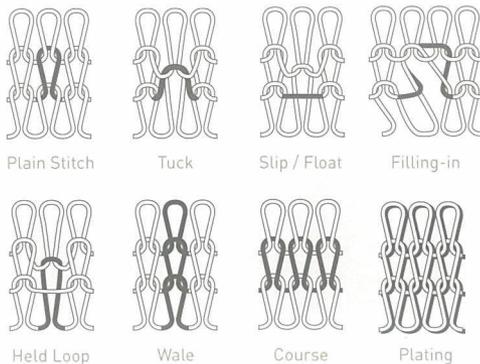
## LATCH NEEDLE



## LATCH NEEDLE MOVEMENT



## BASIC LOOPS



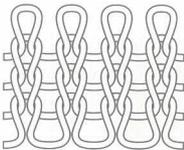
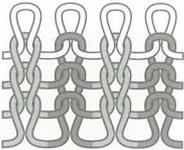
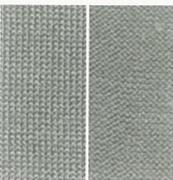
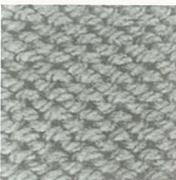
## KNIT SYMBOLS

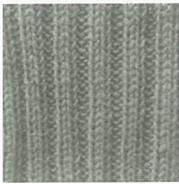
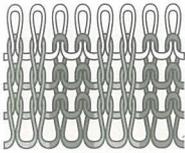
	selvage stitch
or	stockinette stitch
or	reverse stockinette stitch
or	twisted stockinette stitch
	slip stitch knitwise
or	slip stitch purlwise
	yarn over
or	make one through back loop
or	increase 1 stitch- RS: knit into front and back of stitch; WS: purl into back and front of of stitch
	(k1, p1,k1) all in same stitch
or	multiple increase (refer to key)
or	right-slanting decrease
or	left-slanting decrease
or	right-slanting double decrease
or	left-slanting double decrease
or	multiple decrease
	bind off
	no stitch
or	knot or bobble (refer to key)
or	right twist (2 sts)
or	left twist (2 sts)
or	cable 4 sts to right
or	cable 6 sts to left

## NEEDLE SIZES

(mm)	US	UK	JP
2.0	0	14	
2.1			0
2.25	1	13	
2.4			1
2.5			
2.7			2
2.75	2	12	
3.0		11	3
3.25	3	10	
3.3			4
3.5	4		
3.6			5
3.75	5	9	
3.9			6
4.0	6	8	
4.2			7
4.5	7	7	8
4.8			9
5.0	8	6	
5.1			10
5.4			11
5.5	9	5	
5.7			12
6.0	10	4	13
6.3			14
6.5	10.5	3	
6.6			15
7.0		2	7mm
7.5		1	
8.0	11	0	8mm
9.0	13	00	9mm
10.0	15	000	10mm
12.0	17		
16.0	19		
19.0	35		
25.0	50		

# BASIC WEFT KNITS

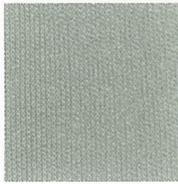
NAME	SINGLE JERSEY	PURL KNIT	1 × 1 RIB
STRUCTURE			
APPEARANCE	 <p data-bbox="327 820 467 836">FRONT      BACK</p>		
PROPERTIES	<p>The simplest weft-knit structure, plain jersey fabric has flat, vertical lines on the front-facing surface and pronounced horizontal ribs on the reverse side.</p> <p>Stretches both crosswise and lengthwise, but more in the crosswise direction. A less stable fabric, single jersey may unravel or ladder if the stitch breaks and curls when cut.</p>	<p>A simple purl fabric has the appearance of the back of jersey knit on both sides. They are produced on purl knit or links-and-links machines.</p> <p>With similar appearances on both sides, purl knits stretch well in all directions but easily stretch out of shape. Thicker than jersey knits and resistant to curling at the edges. Slow production process.</p>	<p>1 × 1 rib has alternating wales knitted on both the front and back. The ribs usually close up, resulting in a double-faced fabric which has the same appearance on both surfaces.</p> <p>Thicker and more elastic than jersey knits, 1x1 rib offers more stretch crosswise than lengthwise, and the edges do not curl. It is more expensive to produce.</p>
TYPICAL USE	<p>Used for sweaters, terry robes, T-shirts, dresses, men's underwear, women's hosiery and pantyhose. Also used for making fully fashioned garments.</p>	<p>Used for infant and children's clothing, sweaters and scarves.</p>	<p>Used for T-shirt collars, double knit jackets, knit beanies, men's socks and sometimes for the hem of sweaters.</p>

**2 × 2 RIB**

2 × 2 rib has two alternating wales knitted on both the front and back.

Thicker and more elastic than 1 × 1 rib, 2 × 2 rib offers more stretch crosswise than lengthwise, and the edges do not curl.

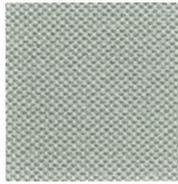
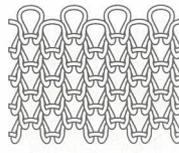
Used for cuffs and hems of sweaters.

**INTERLOCK**

Produced on a cylinder and dial circular weft knitting machine, where alternating long and short needles are positioned opposite to each other on the cylinder and dial.

Heavier and thicker than rib knits, interlock is a reversible fabric, does not curl at the edges, and offers good insulation. More expensive to produce.

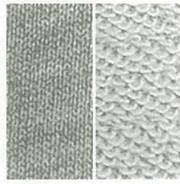
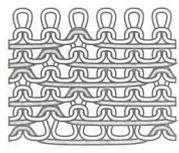
Used for everyday garments such as dresses, skirts, blouses, T-shirts and outerwear.

**SINGLE PIQUÉ**

Single piqué has an all-over cellular, geometric textured surface, created by tuck loops and tuck stitches. Piqué means to pierce or to make a hole or opening.

The most productive amongst all types of piqué fabrics.

Used on many polo shirts, ladies' dresses and other apparel.

**FRENCH TERRY**

FRONT BACK

A type of single jersey fabric. The technical face is basically jersey, while the technical back shows un-napped float stitches (loops).

A light- to medium-weight fabric. The un-napped, looped side of French terry cloth is highly absorbent, as with regular terry cloth.

More lightweight and with one smooth side, French terry cloth is suitable for garments, especially sportswear and beachwear.

# BASIC WARP KNIT

NAME

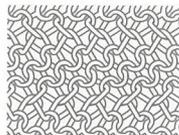
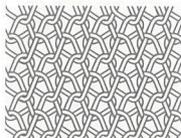
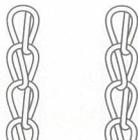
SINGLE BAR CONSTRUCTIONS

STRUCTURE

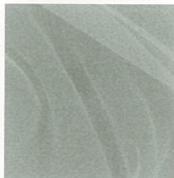
PILLAR STITCH

HALF TRICOT

SINGLE ATLAS



APPEARANCE



Also known as a chain stitch, a pillar stitch is a type of stitch construction in which both over and underlappings are performed across the same needle.

Also known as 1&1 closed lap / open lap, half tricot is the most basic type of warp knit construction. In the repeated two-course process, the guide bar feeds yarns on a needle in the first course, then moves sideways to feed yarns to the adjacent needle in the second course. The cycle is then repeated.

Created by the progressive lapping movement of the guide bar in the same direction for at least two consecutive courses, usually followed by identical lapping in the opposite direction.

PROPERTIES

Due to the absence of lateral connections with adjacent wales, pillar stitch offers only a link-up in the direction of the wales. It can only form a fabric by adding a weft yarn.

With very limited functions on its own, half tricot is however a popular combination for multi-guide bar structures. It is lightweight and sheer.

Changes in the lapping movement result in changes in the position of the overlaps and underlaps, thus creating diagonal stripes and causing differential light reflections.

TYPICAL USE

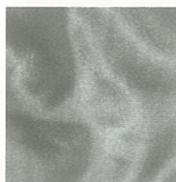
The most common use of the pillar stitch is for adding weft yarns to link up the loop chains. It can also be combined with multi-guide bar structures, such as Queen's cord.

Used for lining and lingerie

Used for creating fabrics with shadow stripes.

## MULTI-BAR CONSTRUCTIONS

## FULL TRICOT

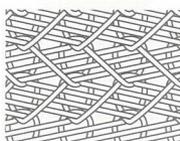


Fine lengthwise ribs on one surface, and crosswise ribs on the reverse. Possible to produce complex patterns on some machines. Incorporating a weft insertion (extra crosswise-inserted yarn) will give the fabric added color or texture.

Offers some stretch lengthwise and almost no stretch crosswise. Normally soft and drapable. The cut edges tend to curl.

Traditionally used in lining and lingerie. Can also be used for blouses and dresses. It is crucial to assess the amount of stretch of the tricot fabric before garment production.

## SHARKSKIN

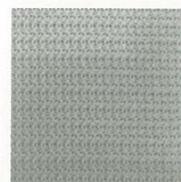
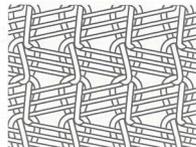


Sharkskin stitch has a longer underlap 4-5 / 1-0 on the back guide bar.

The longer lapping gives the sharkskin stitch a heavier weight and more dimensional stability.

Used in fabrics which require high dimensional stability.

## QUEEN'S CORD

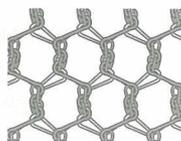


A stable fabric structure using the pillar stitch as the warp and long underlaps as the weft yarns.

Offers high dimensional stability comparable to woven fabrics.

Used in fabrics which require high dimensional stability.

## RASCHEL



Produced on a raschel-knitting machine, Raschel fabrics are diverse in nature and come in a wide variety. Interesting textures and surface designs can be created by incorporating conventional or novelty yarns. They can have a fine or lace-like open construction, complex patterns or even piled textures.

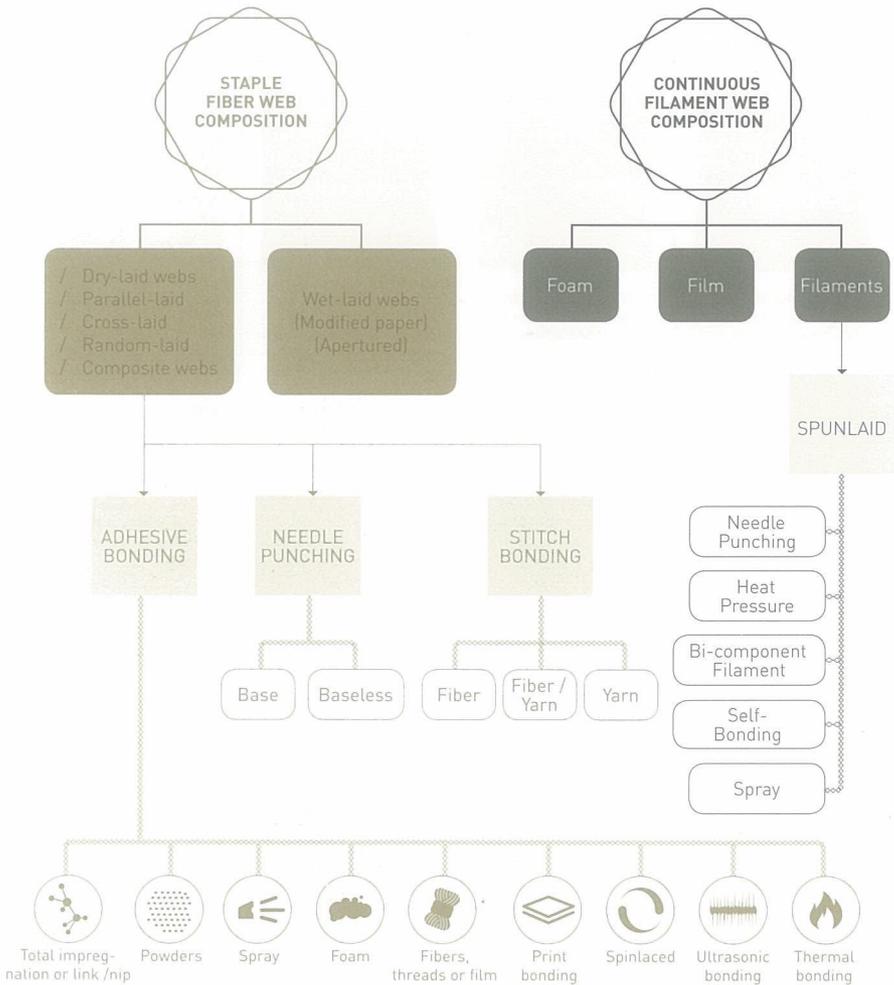
Highly versatile, Raschel knits can be either stretchy or stable, single-faced or reversible, and cover a broad selection ranging from lofty open structures to dense and compact fabrics.

Can be used for almost all sorts of garments.

# NONWOVEN FABRIC

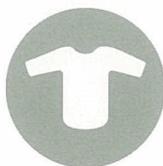
Nonwoven fabrics are not constructed by weaving, knitting, or interlacing yarn, but by directly entangling separate fibers, filaments, molten plastic or plastic film together, mechanically, thermally, chemically, or by solvent treatment, creating a bonded sheet or web structure that is usually flat and porous.

## NONWOVEN FABRIC CLASSIFICATION



# USES OF NONWOVEN FABRIC

## MEDICAL



Surgical gowns



Surgical caps



Surgical drapes  
and covers



Surgical masks

## HYGIENE



Baby diapers /  
nappies



Bandages /  
wound dressings



Disposable bath /  
face towels



Feminine  
hygiene products

## FILTERS



Tea bags /  
coffee bags



Liquid cartridge  
and bag filters



Gasoline, oil and air  
filters; Including  
HEPA filtration



Mineral  
processing

## GEOTEXTILES



Soil stabilizers  
and roadway  
underlayment



Drainage  
systems



Frost protection



Agricultural  
mulch

# 5.4 LEATHER

Leather is a type of material consisting of the skin of an animal made smooth and flexible by tanning, removing the hair, etc. It is a durable and flexible material with excellent resistance to abrasion and wind. Common leather sources are cattle, sheep, alligator, etc. Leather can be priced by number of pieces or by the subdivision of leather e.g. butt, bend, shoulder, head or belly. Products priced by piece rate have one price regardless of the sizes of the products. Products priced by the subdivision are generally priced by the yard or square foot and therefore the price varies according to the sizes of the products.

## SUBDIVISIONS OF LEATHER

### A . Butt

Best Value  
13% of the hide

### B . Bend

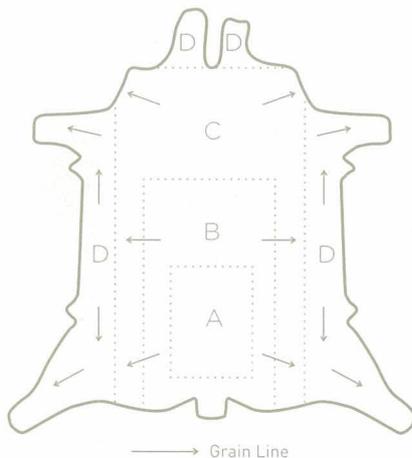
Good Value  
30% of the hide

### C . Shoulder

Fair Value  
32% of the hide

### D . Head, Belly

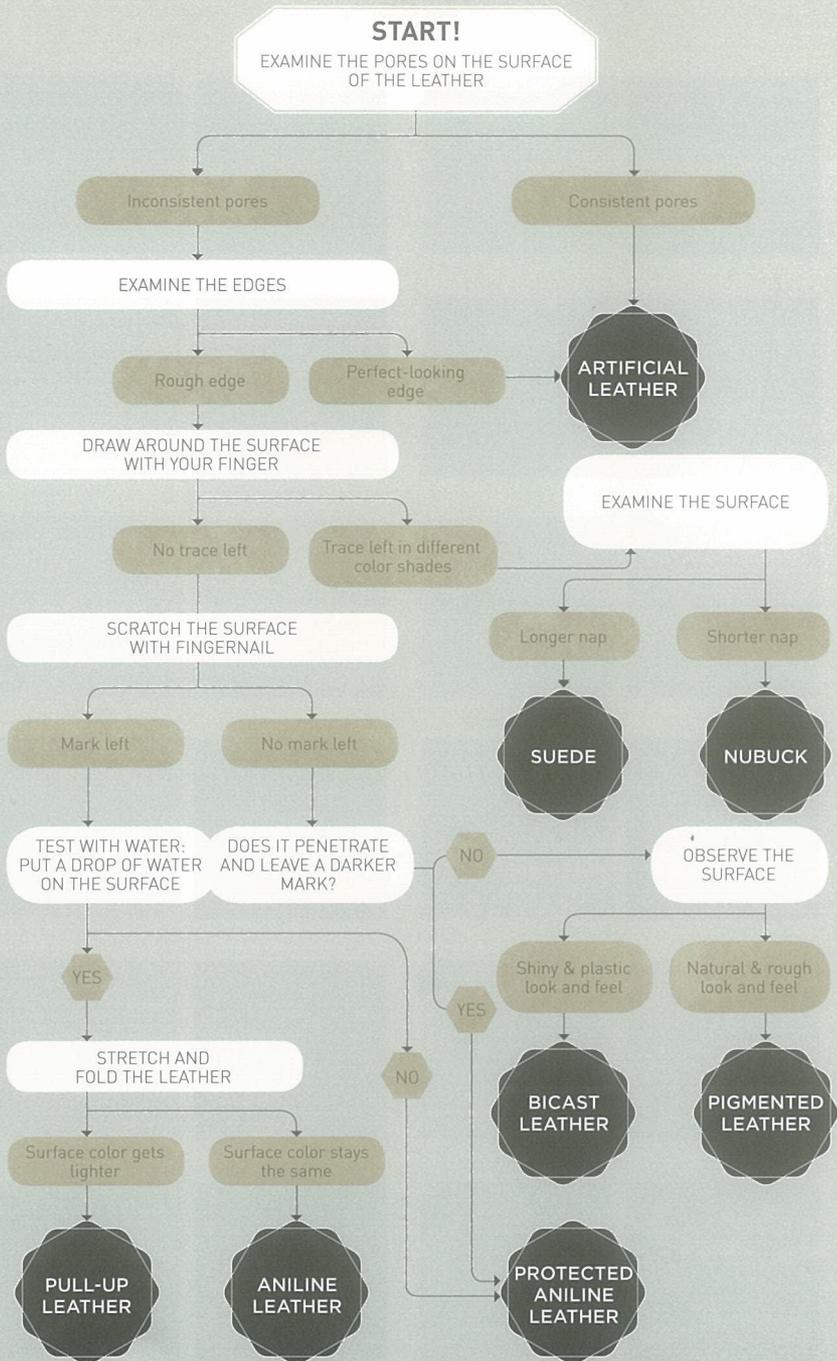
Poor Value  
25% of the hide



## THICKNESS SYSTEM CONVERSION

Ounces	Thickness	Ounces	Thickness
1	0.4 mm	9	3.6 mm
2	0.8 mm	10	4.0 mm
3	1.2 mm	11	4.4 mm
4	1.6 mm	12	4.8 mm
5	2.0 mm	13	5.2 mm
6	2.4 mm	14	5.6 mm
7	2.8 mm	15	6.0 mm
8	3.2 mm		

# LEATHER IDENTIFICATION



# LEATHER TYPES



## Cattle



Most leather is made of cattle skin, structure varies across the whole hide, strong.



## Calf



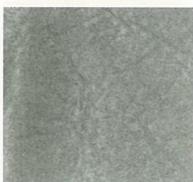
Slightly rubbery, fine grain, little variation across the skin.



## Buffalo



Strong, tough, rubbery feel, pebbly appearance, thick.



## Goat



Strong, thin, fine grain, regular pattern, papery feel.



## Sheep



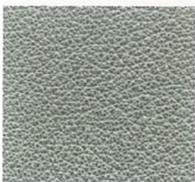
Good heat insulation. Thin, soft, loose fibrous structure. Loose grain surface and light substance with soft feel, very porous. Low durability.



## Lamb



The softest, thinnest, most supple type of skin. Buttery texture and finely grained. Elastic, very form-fitting, stretches well and tends to reshape after wearing.



## Deer



Tough, soft, supple, very stretchy. Washable and abrasion resistant.



## Elk



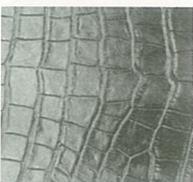
Similar to deerskin except very heavy and much thicker.



## Pigskin



High breathability. Soft, thin, supple, durable, relatively tough with tight grain. Common hide for suede.



## Alligator



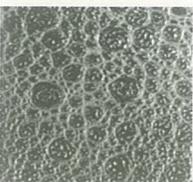
Thick in the bend and thin in the belly and limbs. Scaly, supple (belly), tough, durable.



## Snake



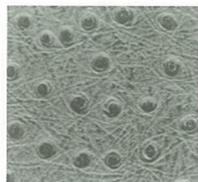
Great variation depending on the type of snake, distinctive pattern, lightweight, strong, papery feel.



## Frog / Toad



Lightweight, thin, strong, great variation depending on the type of the species.



### Ostrich



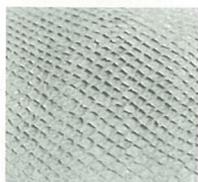
One of the finest and most durable types of skins in the world. Unique bumpy texture. Flexible, pliable, durable and soft, very strong.



### Kangaroo



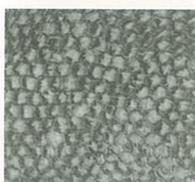
Very strong (10 times the tensile strength of cowhide and is 50% stronger than goatskin), thin, lightweight, uniform fiber structure.



### Salmon



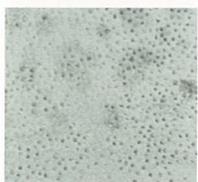
Fine scales, pliable, strong and elegant looking. The most popular fish leather.



### Perch



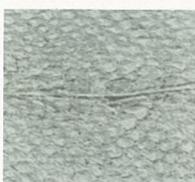
Sourced from the Nile. Thick, large and soft round scales.



### Wolf fish



Smooth skin, scaleless. Easily recognizable thanks to its dark spots and 'stripes' which are due to the friction of marine rocks.



### Cod



Its skin has finer scales than salmon, but its texture is more varied, sometimes smooth and sometimes rough.



### Eel



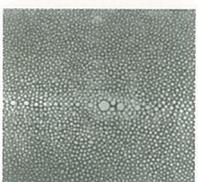
Very smooth in touch with an elegant horizontal pinstripe-like pattern. Lightweight, supple, incredibly strong. Sewn together to create a leather panel.



### Tilapia



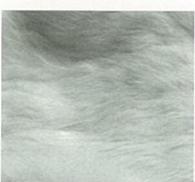
Compared with salmon skin, the pattern of tilapia leather is more beautiful, but the skins are smaller in size.



### Stingray



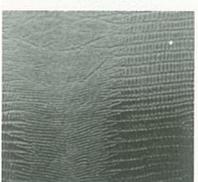
Distinctive pattern. Highly durable (25 times more durable than cowhide) and has a unique supple texture.



### Rabbit



Small in size, thin and fragile.



### Lizard



Strong, lightweight, papery feel and thin.



### Horse



Tough, thin, non-uniform quality, stretches well, Commonly used for making shoes.

# 5.5 LACE

Made of yarn or thread, lace is a delicate handmade or machine-produced fabric with an open web-like pattern. It was originally made from linen, silk, gold or silver threads. Today it is more often produced using cotton thread, though it is still available in linen and silk thread versions. Synthetic fibers may be used in manufactured lace.

A number of factors determine the quality of lace, including the fineness of yarns, number of yarns per square inch, density of background net, and the intricacy of the pattern or design.

## CLASSIFICATION OF LACE



### HANDMADE LACE

NEEDLE POINT LACE	ROBBIN LACE	CROCHETED LACE	TAPE LACE
● Alençon	● Torchon	● Hairpin	● Battenberg
● Point de gaze	● Blonde	● Filet crochet	● Mezzopunto
● Filet / Lacies	● Chantilly	● Broomstick lace	● Princess
● Carrick-macross	● Lillie	● Irish crochet & more	● Renaissance
● Point de Venise	● Valenciennes		● Romanian point
● Point de France	● Antwerp		● Branscombe & more
● Buratto	● Maltese		
● Teneriffe & more	● Honiton		
	● Bruges		
	● Brussels & more		



### MACHINE-MADE LACE

LEAVERS LACE	RASCHEL KNIT LACE	CHEMICAL LACE
--------------	-------------------	---------------

The lace machine was developed to speed up the lace making process. In 1818, John Leavers developed a machine that made patterns and the background net simultaneously. A card system, similar to the technique used on card jacquard looms, made it possible to produce intricate designs with the leaver machine.

The Leavers machine consists of warp yarns and oscillating bobbins that are set in frames called carriages. The carriages move back and forth with the bobbins swinging around the warp to form a pattern. Leavers lace is fairly expensive, depending on the quality of yarns used and the intricacy of the design.

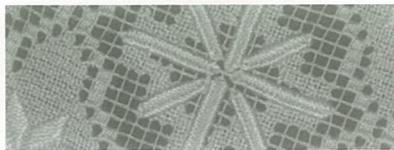
Raschel knitting machines use the warp knitting technique to make patterned lace that looks similar to Leavers lace. Raschel lace can be made at much higher speeds and thus is less expensive to produce.

# COMMON HANDMADE LACE



Alençon Needle Lace

Delicate, durable, needlepoint lace with solid designs outlined in cord on a sheer net ground. Traditionally handmade in Alençon, France, it nowadays has machine-made imitations with cords run in by hand.



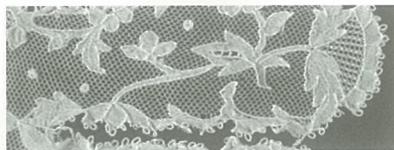
Filet / Lacis Needle Lace

A type of handmade lace with a grid-like open mesh foundation. Patterns are created by filling selected squares on the knotted mesh ground using darning stitches.



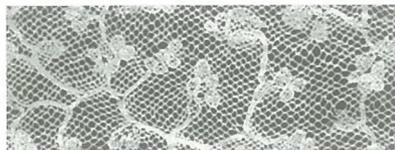
Brussels Point de Gaze Needle Lace

Traditionally crafted with either needlepoint or pillow designs surrounded by a bobbin-made ground. Nowadays, the lace designs are made separately and appliquéd on a machine-made net ground.



Carrickmacross Needle Lace

Irish needlepoint lace using appliqué or guipure techniques. Created by layering sheer fabric with designs onto a plain, machine-made net, finished with buttonhole- or chain-stitch and trimming away material around the design.



Antwerp Bobbin Lace

Rare bobbin lace designed with flower motifs in baskets or pots. Formerly popular amongst Antwerp women for trimming caps.



Valenciennes Bobbin Lace

A fine bobbin lace worked in one single piece, forming both the design and ground with the same thread. Designs of florals and trailing patterns are fashioned on open, regular mesh, without any raised work or cordonnet.



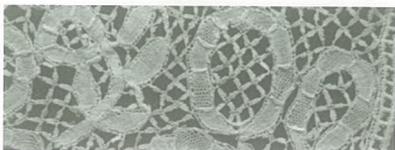
Chantilly Bobbin Lace

A type of handmade bobbin lace which can be closely imitated by machines. The design is outlined by a cordonnet of thin, silky threads on a fine ground.



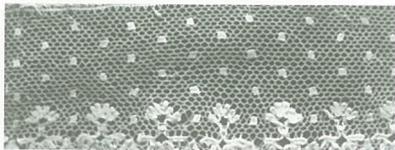
Honiton Appliqué Bobbin Lace

A usually machine-made lace, with motifs separately made and sewn to a net ground.



Honiton Guipure Bobbin Lace

Resembles Honiton appliqué bobbin lace, but with round, heavy motifs made up of fine braids, linked by needle-made braids.



Lille Bobbin Lace

Fine bobbin lace such as Mechlin, with outlined patterns in heavy, flat cordonnet. Sometimes dotted.



Maltese Bobbin Lace

Traditionally similar to the designs of Mechlin lace and Val lace. The modern-day version is a guipure lace with simple, geometric designs, incorporating the Maltese cross and dots.



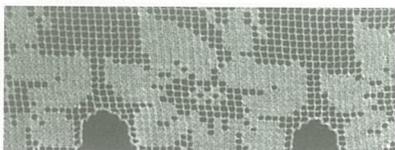
Mechlin Bobbin Lace

Filmy bobbin lace on a hexagonal mesh net ground. The intricately woven design, traditionally of ornaments and flowers, is outlined with a flat, shiny cordonnet.



Torchon Bobbin Lace

Also known as beggar's lace or peasant lace, it is a coarse and durable bobbin lace made from wither linen or cotton thread.



Filet Crochet

Uses only two crochet stitches - the chain stitch and the double crochet stitch - resulting in a grid-like pattern.



Battenberg Tape Lace

Coarse lace with designs created by bringing together linen braid or tape and linen thread. Can be both handmade and machine-made.



Bruges Tape Lace

Fine guipure tape lace produced with bobbins. Its fine woven version is used for dresses, while the coarse woven counterpart is used for curtains and table linen finishing.

# COMMON MACHINE-MADE LACE



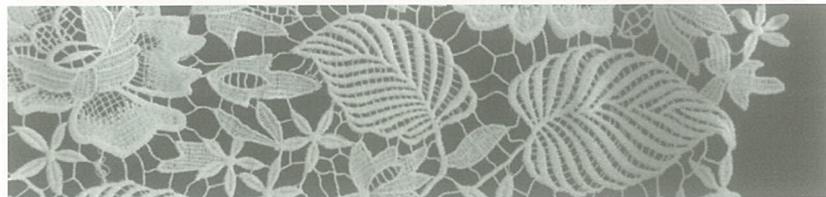
Leavers Lace

The intertwined lace structure is created on a Leavers machine with over 10,000 yarns that are set to make hoops with bobbins. The design is marked on a punching card called a Jacquard Card, which gives the machine instructions for moving the yarns in left-right directions to weave out the desired pattern.



Raschel Lace

Raschel lace has a similar appearance to Leavers lace, but the Raschel lace machine is actually a type of knitting machine, which creates designs and motifs in a warp-knit structure. The structure is entirely different from Leavers lace even when the same yarn is used. The Jacquard Card method and Chain Drum method are adopted to reflect the design and to feed it through the machine.



Chemical Lace

Chemical lace (also known as Schiffli lace) is a type of machine-made lace. The designed pattern is embroidered on a chemically-treated, soluble fabric, which is then immersed in a solution that completely dissolves the soluble fabric and leaves only the embroidered lace intact.

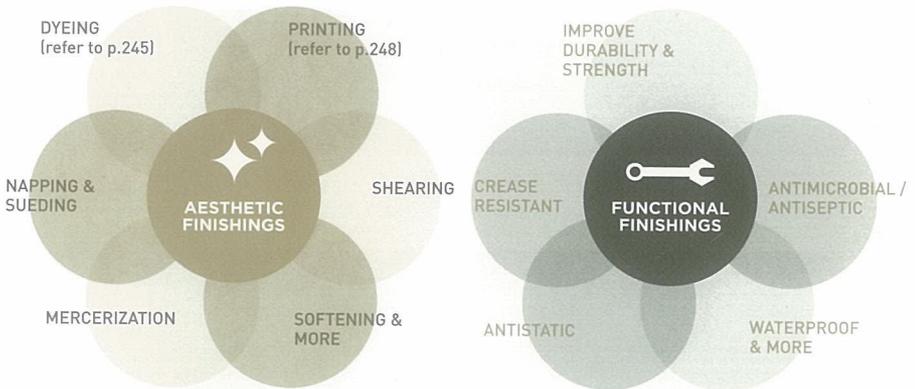
# 5.6 FINISHINGS

## DYEING & PRINTING

In textile production, finishings refer to the treatments that convert greige goods (woven or knit fabrics fresh off the loom. See: Glossary) into a usable material for garment production. More specifically, it includes all processes carried out after dyeing the yarn or textile, which may involve improving the look, handfeel or performance of the finished fabric or garment. The exact meaning varies depending on the context.

Finishing processes may be performed both pre- and post-fabric production. Techniques such as bleaching and dyeing are carried out on the yarn before weaving, while other finishing processes are applied on woven or knitted grey cloths directly after they are taken off the loom (loom state textiles). Finishing techniques have been evolving throughout the history of textile production. Certain types, such as fulling, have been adopted in hand-weaving for centuries, while other more modern procedures, such as mercerization, were invented during the Industrial Revolution.

### DIFFERENT TYPES OF TEXTILE FINISHINGS



# DYEING

Dyeing refers to the process of giving color to textile products, including fibers, yarns and fabrics. It is usually done in a special solution that contains the dye of the desired color and certain chemical materials, which create an uncut chemical bond between the dye molecules and fiber molecules once the dyeing process is complete. Dyeing has two key determining factors: temperature and time control. The two main types of dye are natural and synthetic.

## STAGES OF DYEING

STAGE OF MANUFACTURING	DYEING PROCESS	ADVANTAGES	DISADVANTAGES
<b>RAW MATERIAL</b>			
FIBER	<b>PREFIBER DYEING</b>	<ul style="list-style-type: none"> <li>😊 excellent fastness</li> <li>★ good for hard-to-dye fibers</li> </ul>	<ul style="list-style-type: none"> <li>💰 high cost</li> <li>🚫 cannot respond to rapid fashion change</li> </ul>
YARN	<b>FIBER DYEING</b>	<ul style="list-style-type: none"> <li>💧 good dye penetration</li> <li>★ considered high quality</li> </ul>	<ul style="list-style-type: none"> <li>💰 high cost</li> <li>🚫 cannot respond to rapid fashion change</li> </ul>
FABRIC	<b>YARN DYEING</b> used for structural design, e.g. plaids, stripes	<ul style="list-style-type: none"> <li>💧 good dye penetration</li> <li>★ considered high quality</li> </ul>	<ul style="list-style-type: none"> <li>💰 high cost</li> <li>🚫 cannot respond to rapid fashion change</li> </ul>
SEWN PRODUCT	<b>FABRIC DYEING</b>	<ul style="list-style-type: none"> <li>💰 low cost</li> <li>👍 quick response to fashion change</li> </ul>	<ul style="list-style-type: none"> <li>😞 irregular color</li> <li>🚫 continuous process may contribute to end-use problems</li> </ul>
<b>FINISHED GARMENT</b>	<b>SEWN PRODUCT DYEING</b>	<ul style="list-style-type: none"> <li>💰 low cost</li> <li>👍 quick response to fashion change</li> </ul>	<ul style="list-style-type: none"> <li>🚫 requires well-prepared materials</li> <li>🚫 poor penetration</li> <li>🚫 difficult to achieve consistent color for different parts</li> </ul>

# MAJOR DYE CLASSES

DYE CLASS	FIBER TYPE	DESCRIPTION	END-USES
<b>DIRECT</b>	CELLULOSIC	complete shade range; simple application; colors duller than basic or acid dyes	low quality apparel fabrics, lining, curtains
<b>REACTIVE</b>	CELLULOSIC PROTEIN	chemically reacts with the fiber forming covalent bonds; resulting in high color fastness; brilliant shades; higher cost	curtains, furnishings, apparel fabrics, toweling, sewing threads
<b>VAT</b>	CELLULOSIC	synthetic indigo invented in 1879; insoluble in water; best all-around fastness properties; expensive; incomplete shade range	high quality curtains, furnishing, shirts, towels, sewing threads
<b>SULFUR</b>	CELLULOSIC	after-treatment is required to prevent the fiber from becoming tender after oxidation of the sulfur; not bright enough in color shades; lower cost	primarily for cotton fabrics, most widely used black dye
<b>AZOIC</b>	CELLULOSIC	water-insoluble; complete shade range; provides an economical way to obtain certain shades, especially red shades	primarily for cotton fabrics
<b>ACID</b>	PROTEIN SYNTHETIC	water-soluble; applies to the fiber directly from solutions containing an acid (acetic, formic or sulfuric acid); complete color range; easy application	carpet yarns, dresses, suitings, overcoats, knitting yarns
<b>MORDANT</b>	PROTEIN	addition of chrome in the dyebath required; dull but has a wide range of color; best all-round fastness properties on wool	carpet yarns, dresses, suitings, overcoats, knitting yarn
<b>BASIC</b>	SYNTHETIC	fast dyeing and can easily be applied to acrylic fiber; complete and brilliant color range	furnishings, apparel fabrics
<b>DISPERSE</b>	SYNTHETIC	developed for acetate fiber (also known as acetate dyes); water-insoluble, good shade range	apparel fabrics, bed sheets, carpets

## FASTNESS PROPERTIES

WASHING	CROCKING	LIGHT	PERSPIRATION	DRY CLEANING
				
		 poor on nylon		
	 depends on dye type & depth of shade			
 sensitive to chlorine bleach	 depends on shade, depth & after-treatment	 poor to fair for yellows and browns; excellent for darker colors		
	 depends on dyeing technique and after-treatment	 depends on type, shade and depth		
		 generally very good; range from poor to excellent		
		 depends on depth of shade and dyeing method		
				
 better on polyesters				

# PRINTING

Textile printing refers to the process of adding colored, sharply defined patterns or designs to either the whole or certain parts of a fabric. It is related to dyeing, but dyeing involves uniformly covering the fabric with one color. The color in properly printed fabrics is bonded with the fiber, and is wash- and friction-resistant.

## CLASSIFICATION OF PRINTING



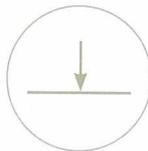
RESIST  
PRINTING

- Batik
- Tie-Dyeing
- Ikat
- Plangi
- Spray Painting



DISCHARGE  
PRINTING

- White Discharge Printing
- Color Discharge Printing



DIRECT  
PRINTING\*

- Block Printing
- Engraved Roller Printing
- Flat-Bed Screen Printing
- Rotary Screen Printing
- Transfer Printing (Dry)
- Transfer Printing
- Digital Printing (Wet)



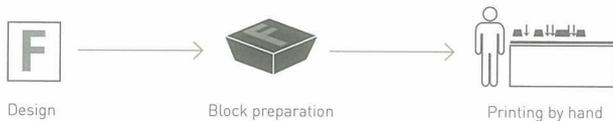
OTHERS

- Flocking
- Yarn Printing
  - Warp Printing
  - Hank Printing

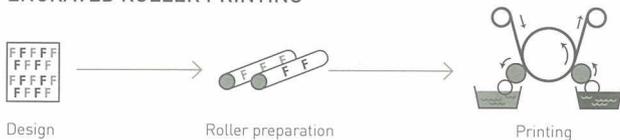
\* Refer to the opposite page

## PROCESS OF DIFFERENT DIRECT PRINTING METHODS

### BLOCK PRINTING



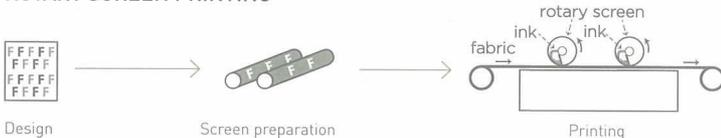
### ENGRAVED ROLLER PRINTING



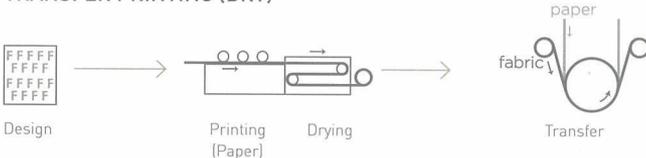
### FLAT-BED SCREEN PRINTING



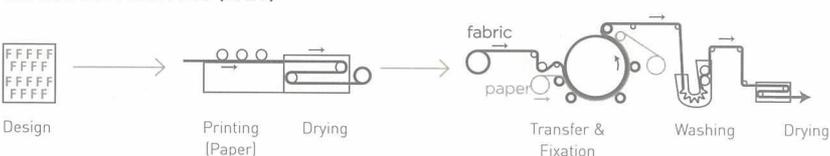
### ROTARY SCREEN PRINTING



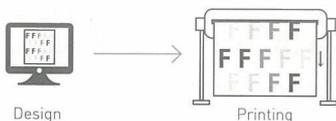
### TRANSFER PRINTING (DRY)



### TRANSFER PRINTING (WET)



### DIGITAL PRINTING



# COMPARISON OF DIFFERENT DIRECT PRINTING METHODS

PRINTING METHOD	PRODUCTIVITY	CAPITAL COST	OPERATIVE SKILL LEVEL
BLOCK PRINTING		\$\$\$	
ENGRAVED ROLLER PRINTING		\$\$\$	
FLAT-BED SCREEN PRINTING		\$\$\$	
ROTARY SCREEN PRINTING		\$	
TRANSFER PRINTING (DRY)		\$	
TRANSFER PRINTING (WET)		\$\$	
DIGITAL PRINTING		\$\$\$\$	

DESIGN LIMITATIONS		FABRIC LIMITATIONS		
COMPLEXITY	PATTERN REPEAT SIZE	FABRIC WIDTH	MATERIAL	DYE UTILIZATION
★★ Depends on the skills of the block maker	★ Limited	★★★★★ Wide width possible	★★★★★ Unlimited	★★★★★ Bright color
★★★★★ Very fine details & tone effects	★★★ Limited (Max. 41 cm)	★★★ Limited	★★★★★ Unlimited	★★★★★ Duller colors than screen print
★★★★★ Fine details	★★★★★ High	★★★★★ Wide width possible	★★★★★ Unlimited	★★★★★ Bright color
★★★★★ Fine details	★★★★ Limited (Max. 100 cm)	★★★★★ Wide width possible	★★★★★ Unlimited	★★★★★ Bright color
★★★★★ Unlimited design	★★★★ Depends on the size of paper	★★★★★ Wide width possible	★★★★ Better on synthetic fabrics	★★★★ 100% color saturation cannot be achieved
★★★★★ Unlimited design	★★★★ Depends on the size of paper	★★★★★ Wide width possible	★★★★ Better on synthetic fabrics	★★★★ 100% color saturation cannot be achieved
★★★★★ Unlimited design	★★★★★ High (depends on the width of the printer)	★★★★★ Wide width possible	★★★★ Better on synthetic fabrics	★★★★ 100% color saturation cannot be achieved

# 5.7 FABRIC PATTERNS



Pindot



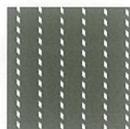
Polka Dot



Coin Dot



Pinstripe



Chalk Stripe



Double Bead Stripe



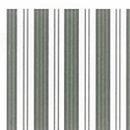
Shadow Stripe



Diagonal Stripe



Marine Stripe



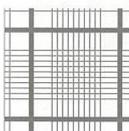
Ticking



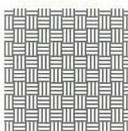
Tattersall



Windowpane Check



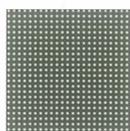
Glen Plaid



Basketweave



Gingham Check



Nailhead Check



Harlequin Check



Argyle



Tartan



Border Tartan



Houndstooth



Shepherd's Check



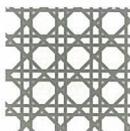
Glen Plaid



Hexagon Honeycomb



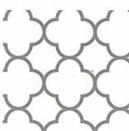
Herringbone



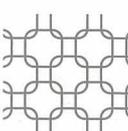
Caning



Scale



Quatrefoil



Trellis



Fret



Geometric

Zigzag /  
Chevron

Ogee



Spiral



Brick Path



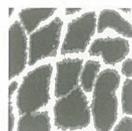
Fleur de Lis



Cheetah



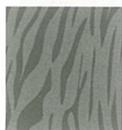
Zebra



Giraffe



Leopard



Tiger



Peacock



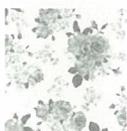
Paisley



William Morris



Damask



Vintage Floral



Toile de Jouy



Ditsy



Retro



Op Art



Abstract



Art Nouveau



Camouflage



Fair Isle



Tropical



Ikat



Chinese



Indian



African



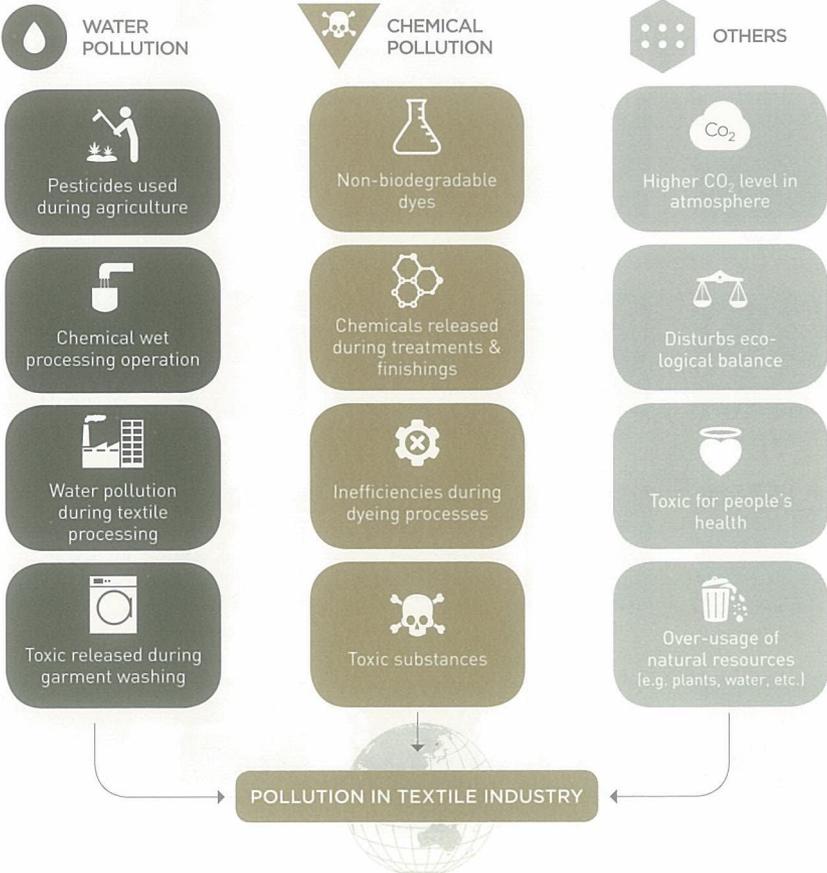
Arabic

# 5.8 ORGANIC TEXTILE

With an exceptionally high pollutant discharge level, the textile industry is amongst one of the most polluting industries in the world. According to surveys, textile waste consumes nearly five percent of all landfill space, while textile treatments and dyeing contribute to 20 percent of all fresh water pollution.

Nowadays, consumers have become more aware of environmental issues and seek eco-friendliness in apparel products. In order to minimize environmental degradation at every possible stage, textile and garment manufacturers are encouraged to re-examine the life cycle of their products. Various organic textile labels offer user-friendly guidelines for consumers to examine apparel products based on a benchmarked system.

## WHY DO WE NEED ORGANIC CLOTHING?



# ORGANIC TEXTILE LABELS



## The Global Organic Textile Standard (GOTS)

[www.global-standard.org](http://www.global-standard.org)

Aims at unifying the various existing standards and draft standards in the field of eco textile processing, and to define world-wide recognized requirements that ensure the organic status of textiles, from harvesting raw materials, through environmental and social manufacturing responsible up to labeling, in order to provide a credible assurance to end consumers.



## Organic Content Standard (OCS)

[www.textileexchange.org](http://www.textileexchange.org)

A voluntary chain of custody standard that provides companies with a tool for third-party verification that a final product contains the accurate amount of a given organically grown material. Each organization along the supply chain must take sufficient steps to ensure the integrity and identity of the organic material input. It does not address the use of chemicals or any social or environmental aspects of production beyond the integrity of the organic material.



## International Association of Natural Textile Industry (IVN) IVN Certified Best

[www.naturtextil.com](http://www.naturtextil.com) 

Aside from ecological production processes and premiums, it also requires low-pollutant, environmentally-friendly qualities, and humane production conditions of the textiles. A further prerequisite is the use of 100% certified organic fibers. The requirement of Naturtextil label is even stricter than the GOTS label.



## International Association of Natural Textile Industry (IVN) IVN Natural Leather Standard

[www.naturtextil.com](http://www.naturtextil.com) 

Establishes the requirements for the production of high quality leathers, with 'high quality' benchmarked in terms of technical, ecological and human health parameters.



## Oeko-Tex Standard 100

[www.oeko-tex.com](http://www.oeko-tex.com) 

A global uniform testing and certification system for raw materials, intermediate and end product textiles at all stages of production. The certification covers multiple human-ecological attributes, including harmful substances which are prohibited or regulated by law, chemicals which are known to be harmful to health, but are not officially forbidden, and parameters which are included as a precautionary measure to safeguard health.



## Bluesign Standard

[www.bluesign.com](http://www.bluesign.com)

Instead of focusing on finished product testing, the bluesign standard analyzes all input streams – from raw materials to chemical components, to resources – with a sophisticated 'Input Stream Management' process. All components are assessed based on their ecotoxicological impact prior to production. Potentially harmful substances can thus be eliminated before production begins.



## Cradle to Cradle Certified Product Standard

[www.c2ccertified.org](http://www.c2ccertified.org) 

This certificate guides designers and manufacturers through a continual improvement process that looks at a product through five quality categories - material health, material reutilization, renewable energy and carbon management, water stewardship, and social fairness.



## MADE-BY

[www.made-by.org](http://www.made-by.org) 

An umbrella label used by fashion brands and retailers to show consumers that their clothes are produced in a sustainable manner. The brands affiliated to MADE-BY use organic cotton and work with sewing factories that have a social code of conduct. The MADE-BY brands can be identified by means of a blue button, which indicates that the brand produces its collection in a people- and environment-friendly manner.

# 5.9 SUGGESTED GUIDE FOR FABRIC SELECTION



## START!

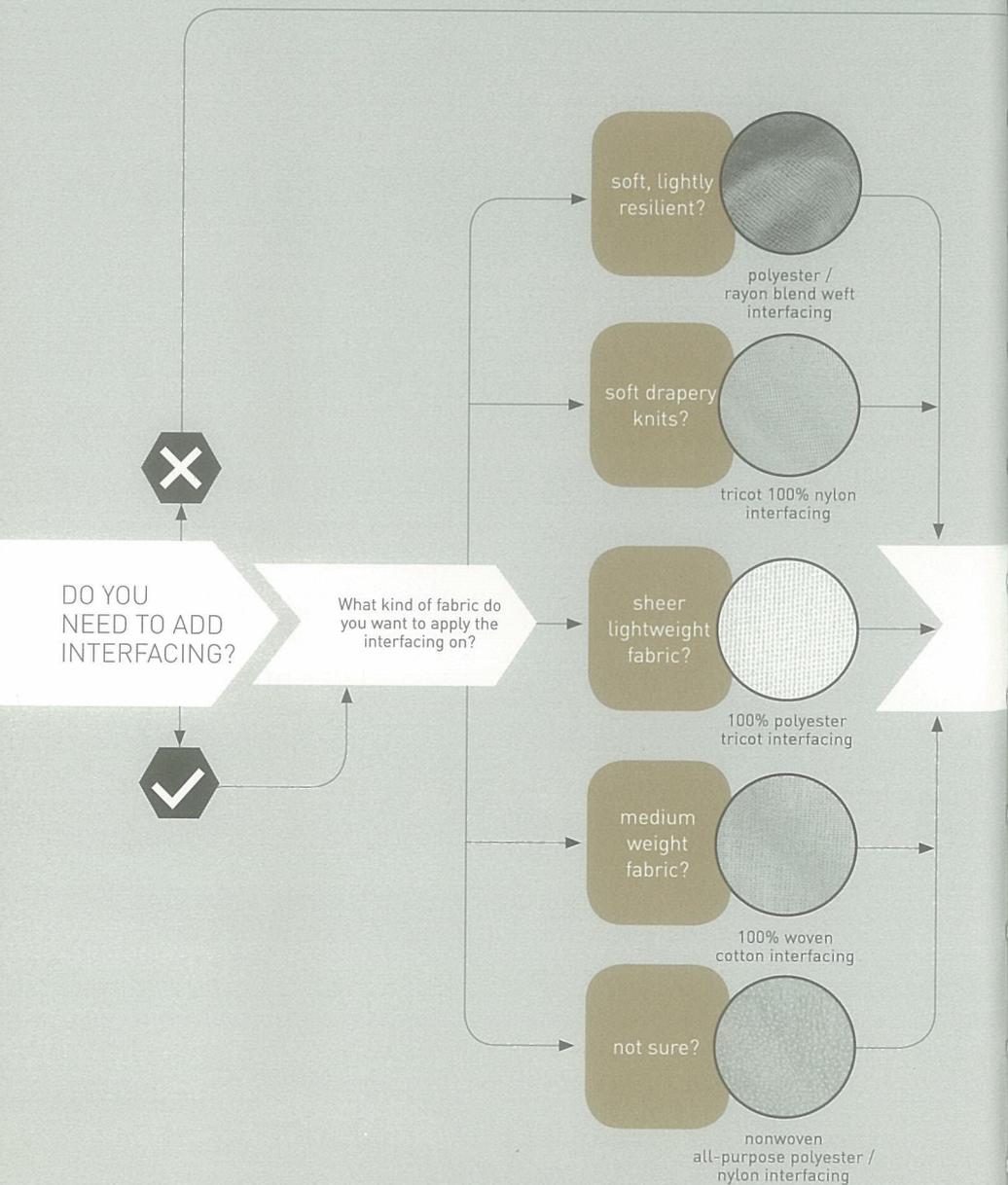
WHAT TYPE OF GARMENT DO YOU WANT TO MAKE?

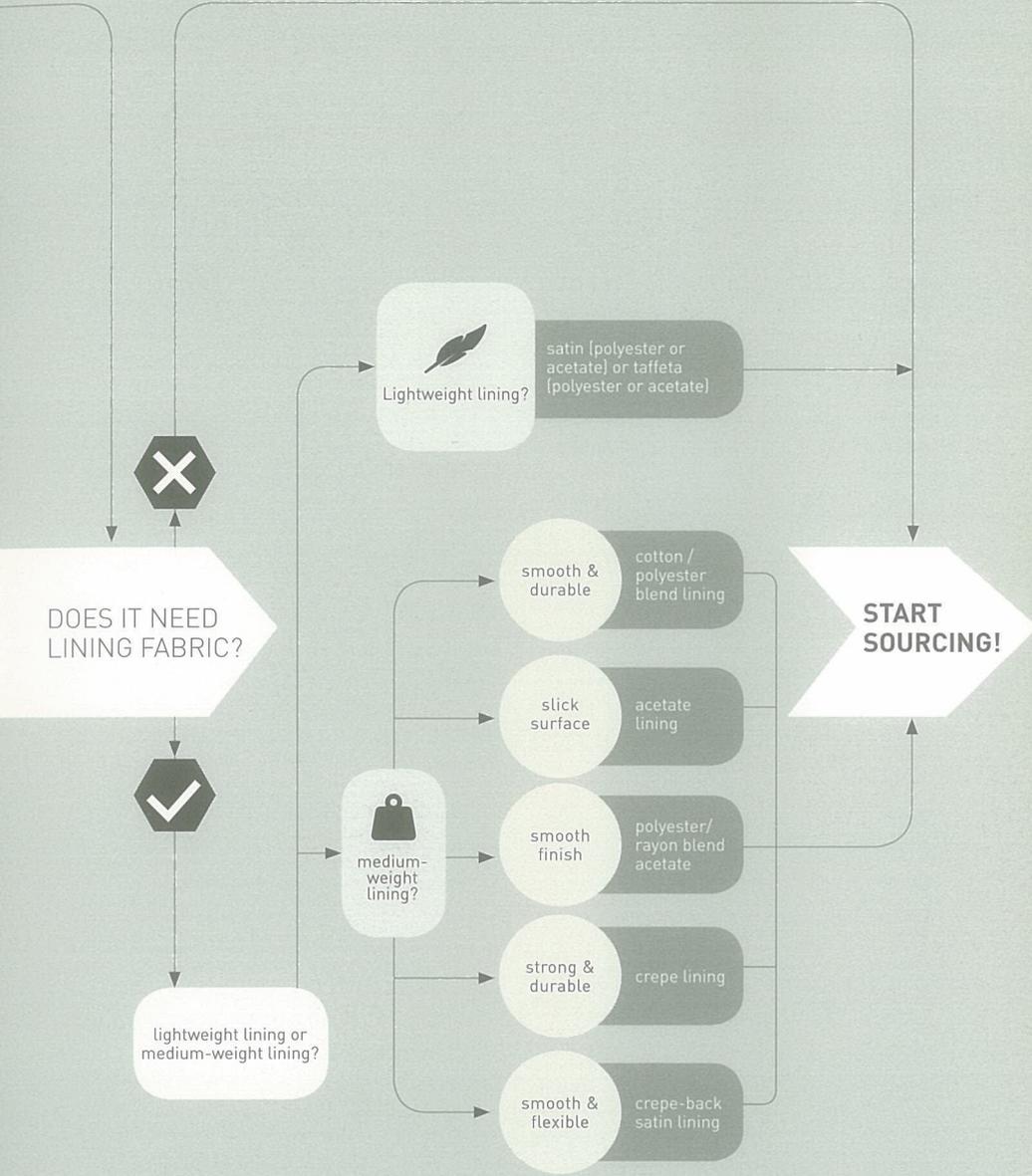




**CONTINUE**  
ON THE NEXT PAGE







DOES IT NEED LINING FABRIC?



lightweight lining or medium-weight lining?

Lightweight lining?



satin (polyester or acetate) or taffeta (polyester or acetate)

smooth & durable

cotton / polyester blend lining

slick surface

acetate lining

smooth finish

polyester / rayon blend acetate

strong & durable

crepe lining

smooth & flexible

crepe-back satin lining

medium-weight lining?



START SOURCING!

## 5.10 FABRIC DICTIONARY

- Acrylic** / warm, light, wool-like synthetic fabric
- Aertex** / trademark for a loosely woven cotton fabric that is used to make shirts and underwear
- Alpaca** / thin glossy fabric made of the wool of an alpaca, or rayon, or cotton imitation
- Baize** / bright green fabric napped to resemble felt
- Basket Weave** / cloth woven of two or more threads interlaced to form the weave of a basket
- Batik** / dyed fabric; a removable wax is used where the dye is not wanted; thin plain-weave cotton or linen fabric; used for shirts or dresses
- Batiste** / the material with which belts are made
- Belting** / fabric of uneven yarn that has an uneven knobby effect
- Boucle** / closely woven silk or synthetic fabric with a narrow crosswise rib
- Broadcloth** / densely textured woolen fabric with a lustrous finish
- Brocade** / thick heavy expensive material with a raised pattern
- Buckram** / coarse cotton fabric stiffened with glue; used to stiffen clothing and bookbinding
- Bunting** / loosely woven fabric used for flags, etc.
- Calico** / plain unbleached weaved fabric
- Cambric** / finely woven white linen
- Camel hair** / soft tan cloth made with the hair of a camel
- Camlet** / fabric of Asian origin; originally made of silk and camel's hair
- Camouflage** / fabric dyed with spots of green, brown, black and tan to make the wearer hard to distinguish from the background
- Canopy** / the umbrella-like part of a parachute that fills with air
- Canvas** / heavy closely woven fabric
- Cashmere** / soft fabric made of the wool of the cashmere goat
- Cerelcloth** / waterproof waxed cloth once used as a shroud
- Challis** / soft lightweight fabric (usually printed)
- Chambray** / lightweight fabric woven with white threads across a colored warp
- Chenille** / heavy fabric woven with chenille cord
- Chiffon** / sheer fabric of silk or rayon
- Chino** / coarse twilled cotton fabric used for uniforms
- Chintz** / brightly printed and glazed cotton fabric
- Coating** / heavy fabric suitable for coats
- Corduroy** / cut pile fabric with vertical ribs; usually made of cotton
- Cotton** / fabric woven from cotton fibers
- Canton Flannel** / stout cotton fabric with nap on only one side
- Crepe** / soft thin light fabric with a crinkled surface
- Cretonne** / unglazed heavy fabric; brightly printed
- Crinoline** / stiff coarse fabric used to stiffen hats or clothing
- Damask** / fabric of linen, cotton, silk or wool with a reversible pattern woven into it
- Denim** / coarse durable twill-weave cotton fabric
- Diamante** / fabric covered with glittering ornaments such as rhinestones or sequins
- Diaper** / cotton or linen fabric with a distinctive woven pattern of small repeated figures
- Dimity** / strong cotton fabric with a raised pattern; used for bedcovers and curtains
- Doeskin Drapery** / fine smooth soft woolen fabric / cloth gracefully draped and arranged in loose folds
- Duck** / heavy cotton fabric of plain weave; used for clothing and tents
- Duffel Elastic** / coarse heavy woolen fabric / elastic fabric made of yarns containing an elastic material
- Etamine** / soft cotton with an open mesh; used for curtains or clothing etc.
- Faille** / ribbed woven fabric of silk or rayon or cotton
- Felt** / fabric made of compressed matted animal fibers
- Fiber** / leather-like material made by compressing layers of paper or cloth
- Flannel** / soft light woolen fabric; used for clothing
- Flannellette Fleece** / cotton fabric imitating flannel / soft bulky fabric with deep pile; used chiefly for clothing
- Foulard** / light plain-weave or twill-weave silk or silk-like fabric (usually with a printed design)
- Frieze Fustian** / heavy woolen fabric with a long nap / strong cotton and linen fabric with a slight nap
- Gabardine** / firm durable fabric with a twill weave
- Georgette** / thin silk dress material
- Gingham** / clothing fabric in a plaid weave
- Gram** / coarse fabric of silk mixed with wool or mohair and often stiffened with gum
- Grosgrain** / silk or silk-like fabric with crosswise ribs
- Haircloth** / cloth woven from horsehair or camel hair; used for upholstery or stiffening in garments
- Herringbone** / twilled fabric with a herringbone pattern
- Homespun** / rough loosely woven fabric made with homespun yarn
- Hopsacking** / loosely woven coarse fabric of cotton or linen
- Horsehair** / fabric made from horsehair fibers; used for upholstery
- Khaki** / sturdy twilled cloth of a yellowish brown color used especially for military uniforms
- Knit** / fabric made by knitting
- Lace** / delicate decorative fabric woven in an open web of symmetrical patterns
- Lame** / fabric interwoven with metallic threads
- Leatherette Linen** / fabric made to look like leather / fabric woven with fibers from the flax plant
- Linsey-Woolsey** / rough fabric of linen warp and woolen welt
- Lint** / cotton or linen fabric with the nap raised on one side; used to dress wounds
- Lisle** / fabric woven with lisle thread
- Mackinaw** / heavy woolen cloth heavily napped and felted, often with a plaid design

<b>Mackintosh</b>	/ lightweight waterproof (usually rubberized) fabric	<b>Serge</b>	/ twilled woolen fabric
<b>Madras</b>	/ light patterned cotton cloth	<b>Shag</b>	/ fabric with long coarse nap
<b>Marseille</b>	/ strong cotton fabric with a raised pattern; used for bedspreads	<b>Shantung</b>	/ heavy silk fabric with a rough surface (or a cotton imitation)
<b>Mohair</b>	/ fabric made with yarn from the silky hair of the Angora goat	<b>Sharkskin Sheeting</b>	/ smooth crisp fabric / fabric from which bed sheets are made
<b>Moire</b>	/ silk fabric with a wavy surface pattern	<b>Shirting</b>	/ any various fabrics used to make men's shirts
<b>Moleskin</b>	/ durable cotton fabric with a velvety nap	<b>Shirttail</b>	/ fabric forming the tail of a shirt
<b>Monk's Cloth</b>	/ heavy cloth in basketweave	<b>Silesia</b>	/ sturdy twill-weave cotton fabric; used for pockets and linings
<b>Moquette</b>	/ thick velvety synthetic fabric used for carpets and soft upholstery	<b>Silk</b>	/ fabric made from the fine threads produced by certain insect larvae
<b>Moreen</b>	/ heavy fabric of wool (or cotton) used especially in upholstery	<b>Spandex</b>	/ elastic synthetic fabric
<b>Motley</b>	/ multi-colored woolen fabric woven of mixed threads in the 14th to 17th centuries in England	<b>Sponge Cloth</b>	/ any soft porous fabric (especially in a loose honeycomb weave)
<b>Muslin</b>	/ plain-woven cotton fabric	<b>Stammel</b>	/ coarse woolen cloth formerly used for undergarments and usually dyed bright red
<b>Nankeen</b>	/ durable fabric formerly loomed by hand in China from natural cotton having a yellowish color	<b>Suede</b>	/ fabric made to resemble suede leather
<b>Net, Mesh</b>	/ an open fabric woven together at regular intervals	<b>Suiting</b>	/ fabric used for suits
<b>Ninon</b>	/ fine strong sheer silky fabric made of silk or rayon or nylon	<b>Swan's Down</b>	/ soft woolen fabric used especially for baby clothes
<b>Nylon</b>	/ synthetic fabric	<b>Taffeta</b>	/ crisp smooth lustrous fabric
<b>Oilcloth</b>	/ cloth treated on one side with a drying oil or synthetic resin	<b>Tammy</b>	/ plain-woven (often glazed) fabric of wool or wool and cotton used especially formerly for linings and garments and curtains
<b>Olive Drab</b>	/ cloth of an olive-brown color used for military uniforms	<b>Tapa</b>	/ paper-like cloth made in the South Pacific by pounding tava bark
<b>Organza</b>	/ fabric made of silk or a silk-like fabric that resembles organdy	<b>Tapestry</b>	/ heavy textile with woven design; used for curtains, upholstery
<b>Paisley</b>	/ soft wool fabric with a colorful swirled pattern of curved shapes	<b>Tartan</b>	/ heavy textile with woven design; used for curtains, upholstery
<b>Panting</b>	/ any fabric used to make trousers	<b>Terry</b>	/ cloth having a crisscross design / pile fabric (usually cotton) with uncut loops on both sides; used to make bath towels and bath robes
<b>Percalé</b>	/ fine closely woven cotton fabric	<b>Ticking</b>	/ strong fabric used for mattresses and pillow covers
<b>Pilot Cloth</b>	/ thick blue cloth used to make overcoats and coats for sailors etc.	<b>Towelting</b>	/ any fabrics (linen or cotton) used to make towels
<b>Pina Cloth</b>	/ fine cloth made from pineapple fibers	<b>Tweed</b>	/ thick woolen fabric used for clothing; originated in Scotland
<b>Pique</b>	/ tightly woven fabric with raised cords	<b>Twill</b>	/ cloth with parallel diagonal lines or ribs
<b>Plush</b>	/ fabric with a nap that is longer and softer than velvet	<b>Velcro</b>	/ (trademark) nylon fabric used as a fastening
<b>Polyester</b>	/ any of a large class of synthetic fabrics	<b>Velours</b>	/ heavy fabric that resembles velvet
<b>Pongee</b>	/ soft thin cloth woven from raw silk (or an imitation)	<b>Velvet</b>	/ silky densely piled fabric with a plain back
<b>Poplin</b>	/ lightweight plain-woven fabric with a corded surface	<b>Velveteen</b>	/ usually cotton fabric with a short pile imitating velvet
<b>Print</b>	/ fabric with a dyed pattern pressed onto it (usually by engraved rollers)	<b>Vicuna</b>	/ soft wool fabric made from the fleece of the vicuna
<b>Quilting</b>	/ material used for making a quilt, or fabric with such patterned stitching	<b>Viyella</b>	/ (trademark) a fabric made from a twilled mixture of cotton and wool
<b>Rayon</b>	/ synthetic silk-like fabric	<b>Voile</b>	/ light semi-transparent plain-weave fabric
<b>Rep, Repp</b>	/ fabric with prominent rounded crosswise ribs	<b>Waterproof</b>	/ any fabric impervious to water
<b>Sackcloth</b>	/ coarse cloth resembling sacking	<b>Web</b>	/ fabric (especially a fabric in the process of being woven)
<b>Sacking</b>	/ coarse fabric used for bags or sacks	<b>Webbing</b>	/ strong fabric woven in strips
<b>Sailcloth</b>	/ strong fabric (such as cotton canvas) used for making tents and sails	<b>Whipcord</b>	/ strong worsted or cotton fabric with a diagonal rib
<b>Samite</b>	/ heavy silk fabric (often woven with silver or gold threads); used to make clothing in the Middle Ages	<b>Wincey</b>	/ (British) a plain or twilled fabric of wool and cotton used especially for warm shirts or skirts and pajamas
<b>Sateen</b>	/ cotton fabric with a satiny finish	<b>Wire Cloth</b>	/ fabric woven of metallic wire
<b>Satin</b>	/ smooth fabric of silk or rayon; has a glossy face and a dull back	<b>Wool</b>	/ fabric made from the hair of sheep
<b>Screening</b>	/ fabric of metal or plastic mesh	<b>Worsted</b>	/ woolen fabric with a hard textured surface and no nap; woven of worsted yarns
<b>Scrim</b>	/ firm open-weave fabric used for a curtain in the theater	<b>Yoke</b>	/ fabric comprising a fitted part at the top of a garment
<b>Seersucker</b>	/ light puckered fabric (usually striped)		

THEY SAID  
PRÊT-À-PORTER  
WILL KILL YOUR  
NAME, AND IT  
SAVED ME.

/ PIERRE CARDIN



6.1

# PRODUCT DEVELOPMENT

AND WHERE YOU SHOULD REFER TO IN THIS BOOK

## PLANNING

## DEVELOPMENT



1

### EVALUATE MERCHANDISE MIX

P.30

- Classify of product type by: color, style, product type, material, etc.
- Classify products into groups, categories, subcategories, etc.

2

### MERCHANDISE FORECAST

P.30

- Sales history
- Selling periods
- Product types
- Price points

P.318

- Size ranges

3

### MERCHANDISE BUDGET PLANNING

- Costs & price ranges
- Discounts
- Markups

4

### MERCHANDISE ASSORTMENT PLANNING

- Basic stock
- Replenishment

5

### UPDATE MERCHANDISE PLANNING DURING LINE DEVELOPMENT

- Update budgets
- Update assortments
- Develop delivery plans

1

### CONCEPT DEVELOPMENT

P.10

- Integrate current trends
  - / economic
  - / social
  - / cultural
  - / technological
  - / demographic
  - / lifestyle
  - / target market evaluation

- Describe fashion trends

P.146

- / color
- / line & silhouette P.28
- / detail
- / pattern & print
- / fit
- / style P.17

- Establish line direction

P.165

- / color palette
- / styling guidelines (including accessories)
- / styles P.17

P.204

- Describe materials

- / fiber content
- / yarn type
- / fabric structure
- / finishing

- Identify group concepts

- / separates
- / related separates
- / coordinates

- Analyze current line

- / continued styles
- / modified styles
- / new designs
- / fashionable & basic items

## PRESENTATION

2

## PRODUCT DEVELOPMENT

- Develop designs
  - / design sketches
  - / first patterns
  - / design specifications
  - / fit standards
  - / material descriptions
  - / embellishments
- Create design prototypes
  - / review prototypes
  - / style testing
  - / fitting evaluation
  - / fabric evaluation
  - / evaluate assembly methods
- Revise pattern prototypes until perfection

3

## LINE ADOPTION

- Assign styles / sizes / colors / materials to line plan
- Balance product assortments
  - / variety
  - / volume
  - / diversity
  - / allocation
- Produce samples for fashion show / photo shoot / catalog

4

## TECHNICAL DESIGN DEVELOPMENT

- Perfect styling and fit
- Engineer production patterns & grading
- Develop & test styles / quality specifications
  - / styling
  - / fit
  - / materials
  - / assembly methods

1

## INTERNAL

- Review for adoption
  - / line concept
  - / image strategy
  - / categories
  - / design specs & costing
  - / pricing strategy

2

## WHOLESALE

- Line preview
  - / line concept
  - / image strategy
  - / assortment strategy
  - / style appeal
  - / marketing strategy
  - / pricing strategy
  - / visual merchandising
- Line / Style release
  - / fashion shows
  - / wholesale markets
  - / sales presentations
  - / trunk shows

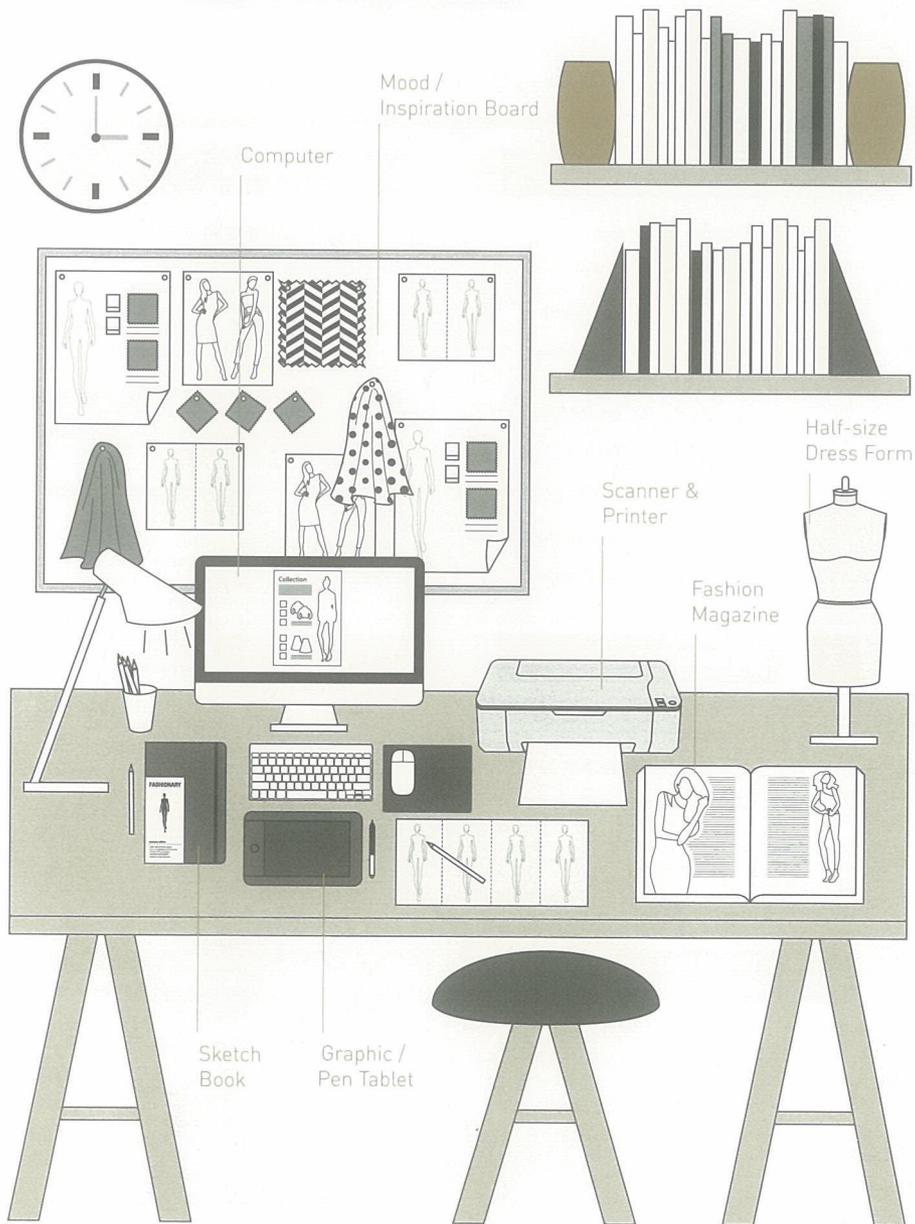
3

## RETAIL

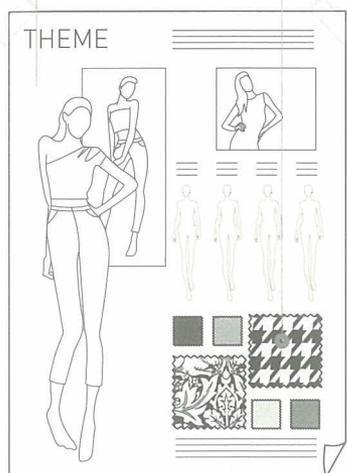
- Marketing
  - / press release
  - / catalog
  - / television
  - / magazine / multi-media
  - / social media / blog / facebook / instagram, etc.
- Visual merchandising
  - / lighting
  - / signage
  - / floor plan
  - / window and props display
- Labels & packaging
- Customer service

# 6.2 DESIGN STUDIO AND FACTORY

## WHAT'S INSIDE A DESIGN STUDIO?



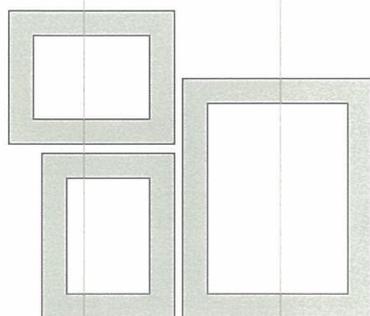
Theme Board



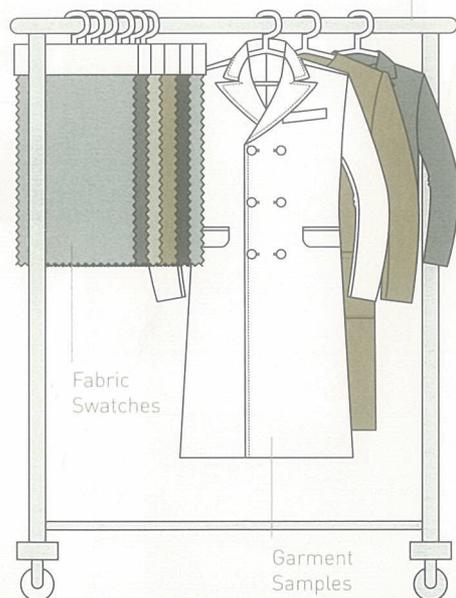
Fabric Swatch

Fashion Reference Books

Clothes Rack

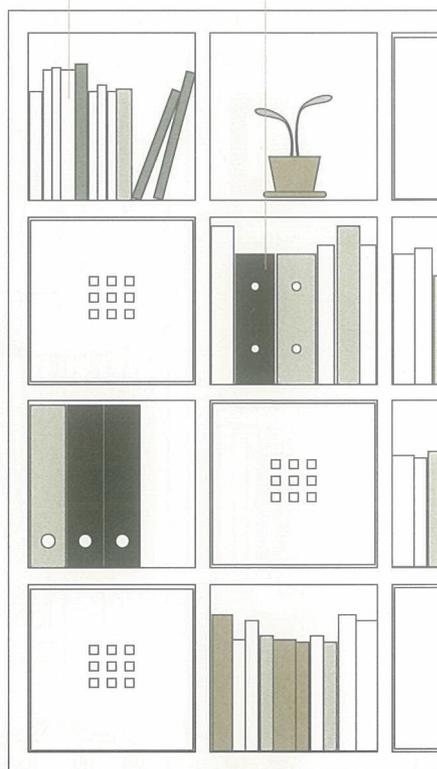


Trend Reports



Fabric Swatches

Garment Samples



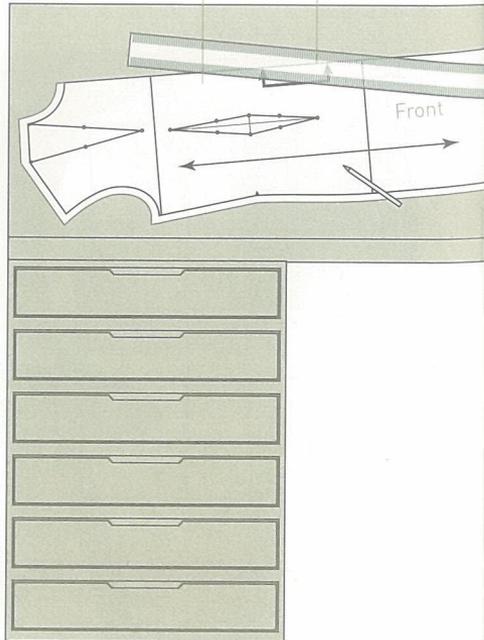
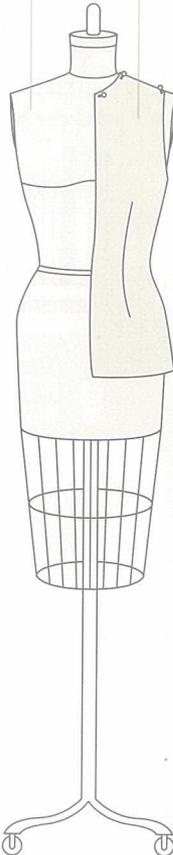
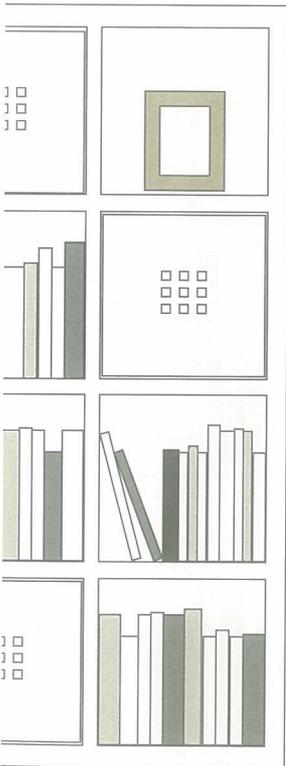


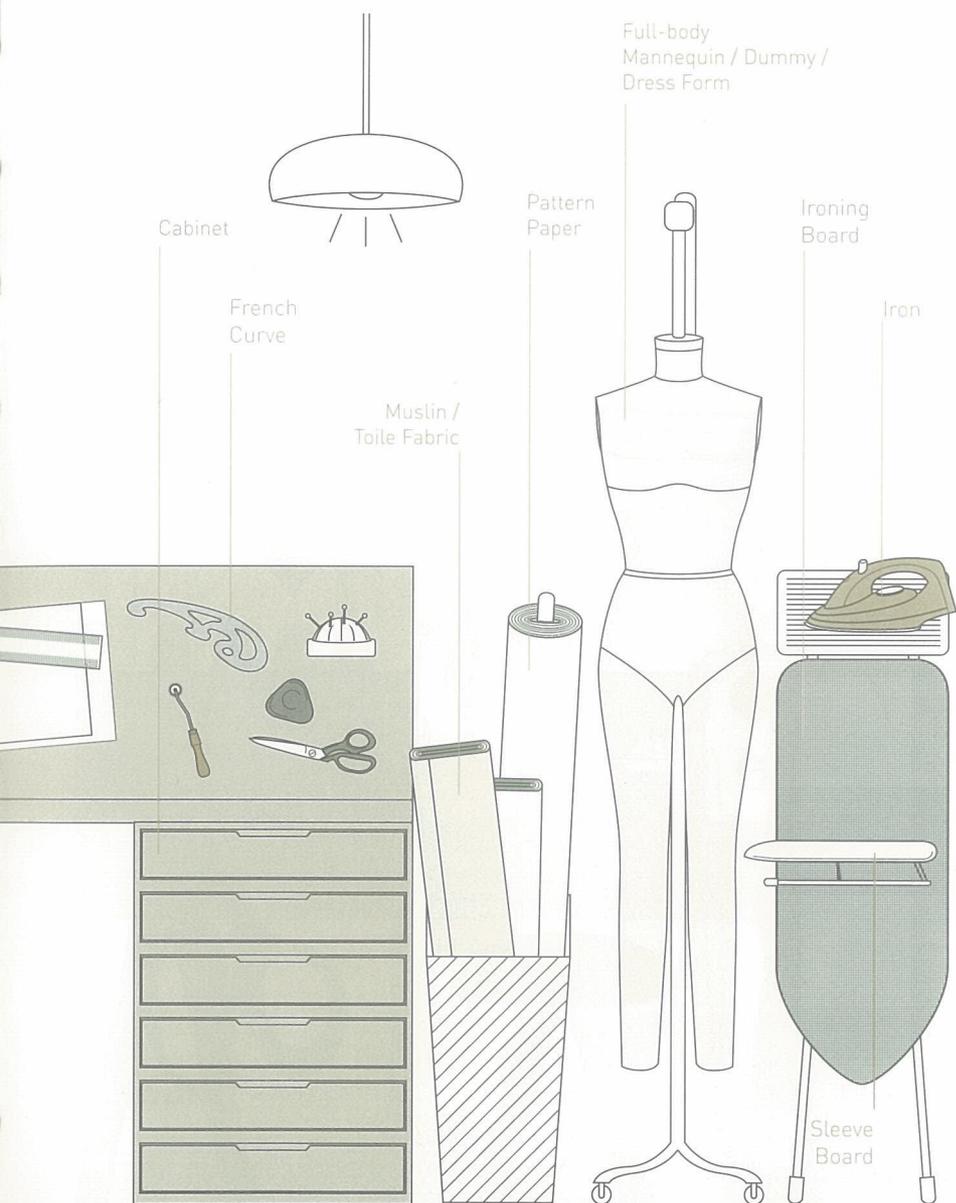
Mannequin / Dummy /  
Dress Form

Muslin /  
Toile Fabric

Pattern

Ruler





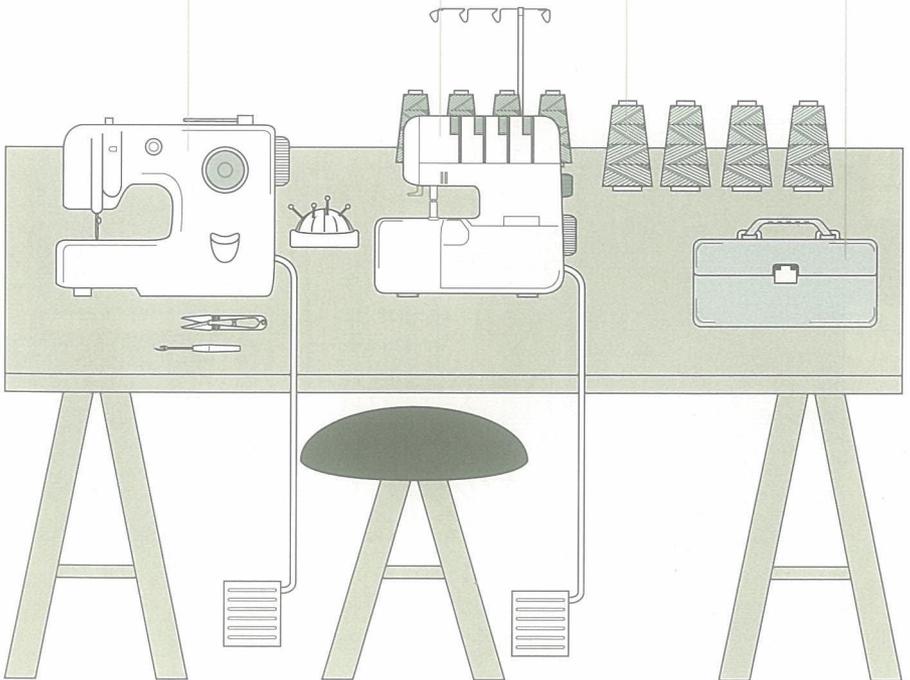


Overlock  
Sewing Machine

Sewing  
Machine

Sewing  
Tool Box

Sewing  
Thread Cone



# SEWING TOOL BOX

## WHAT'S INSIDE?



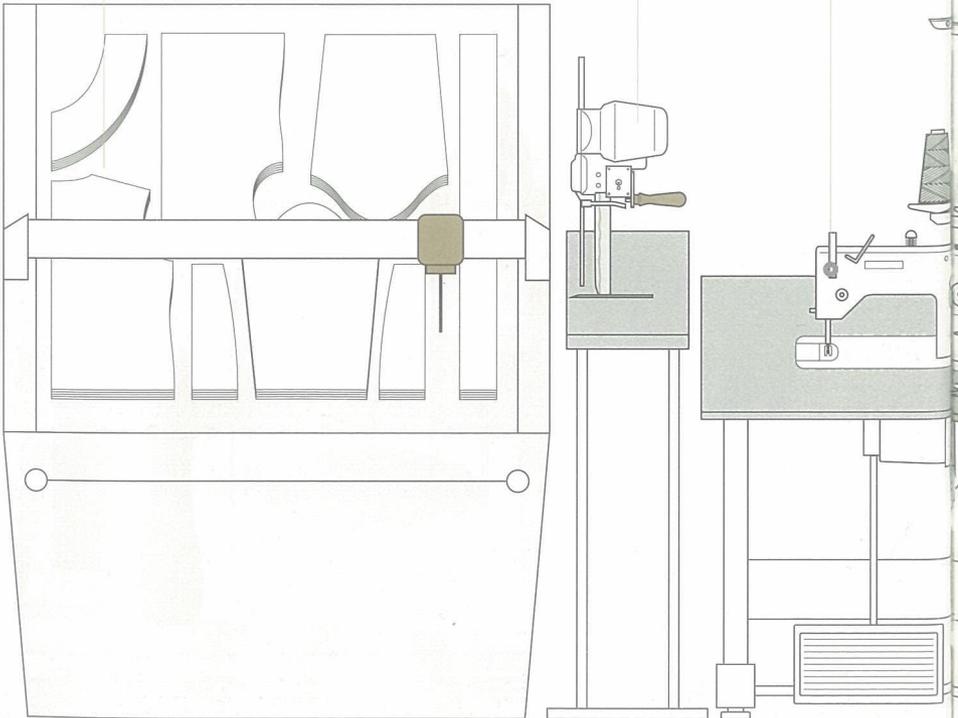
## WHAT'S INSIDE A GARMENT FACTORY?



Computerized  
Cutting System

Straight  
Knife Cutter

Industrial  
Sewing Machine

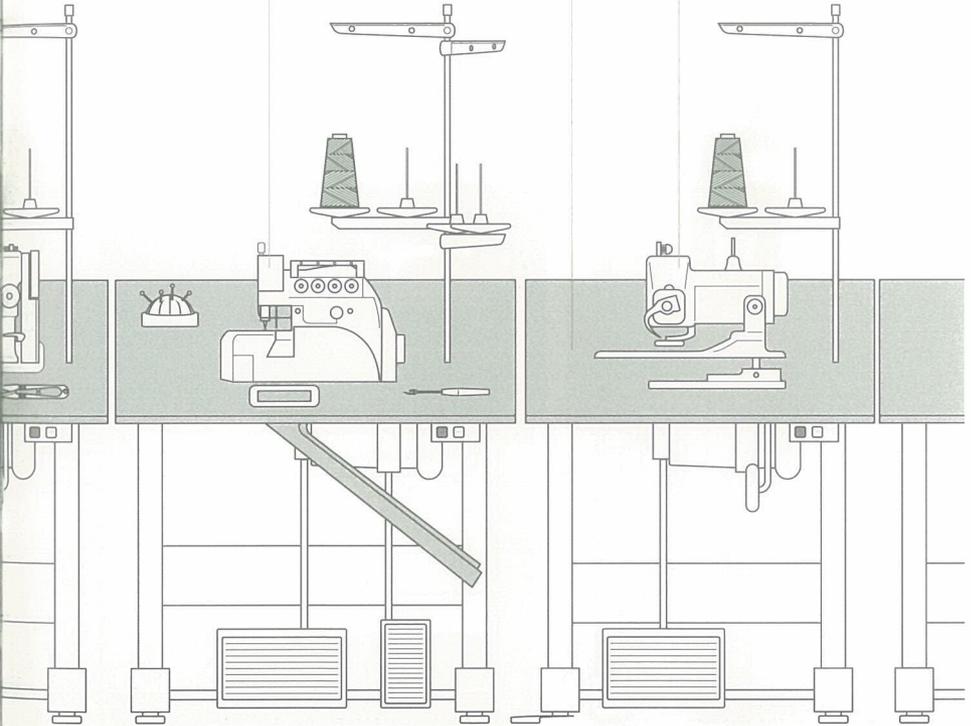


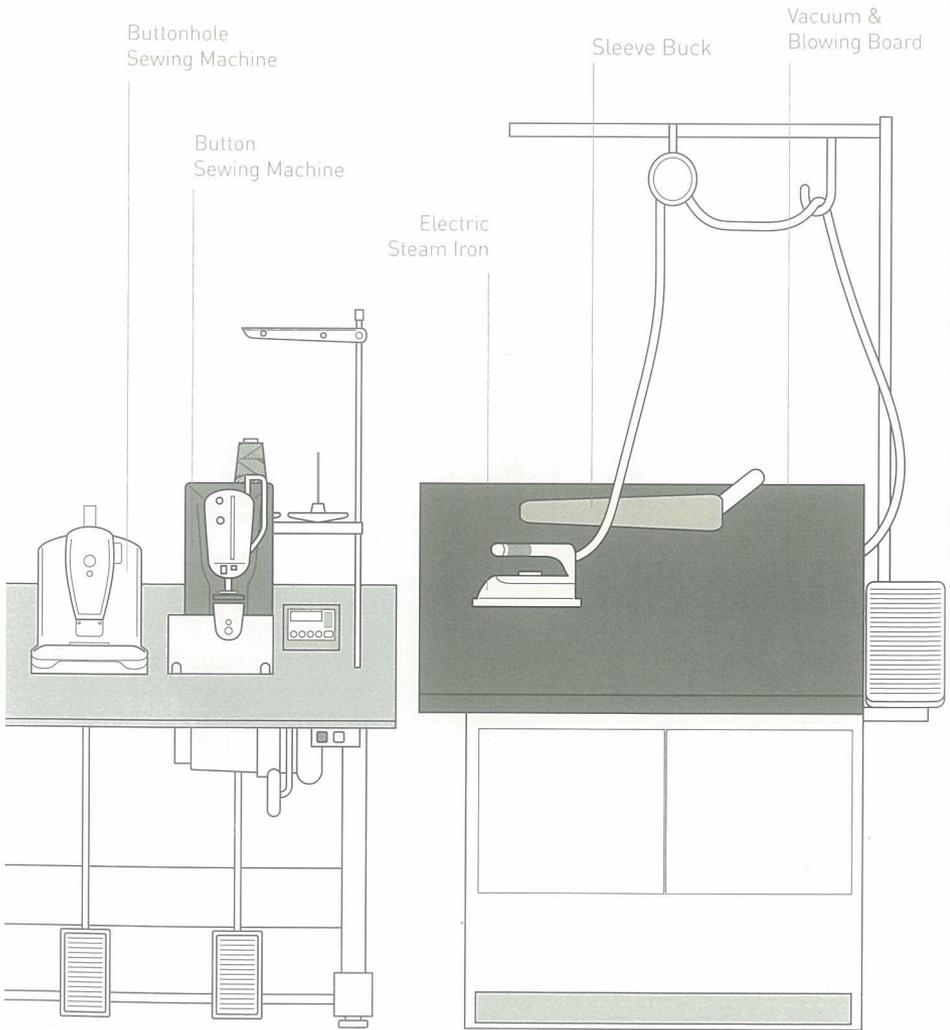


Industrial  
Overlock  
Sewing Machine

Blind Stitch  
Hemming Machine

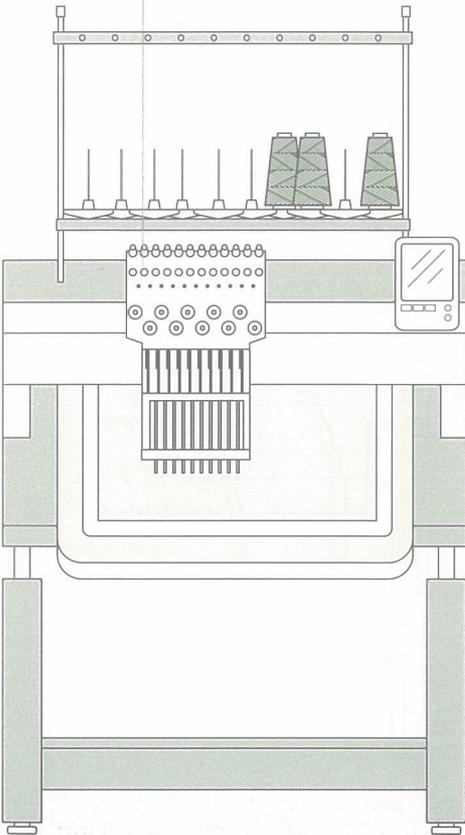
Industrial  
Machine Table  
with Motor



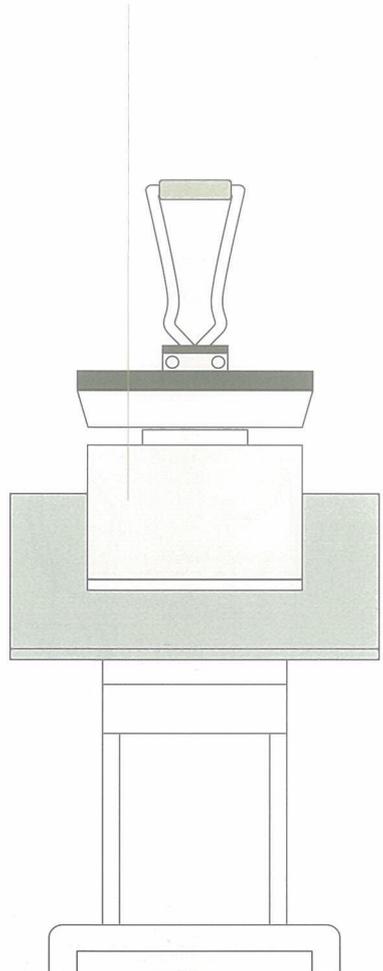




Embroidery Machine

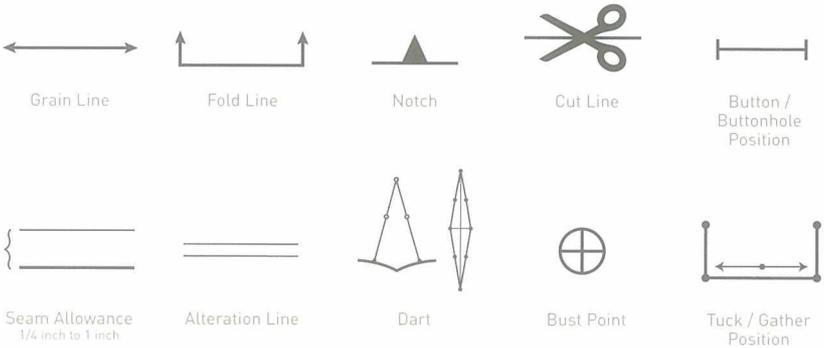


Heat Transfer Machine

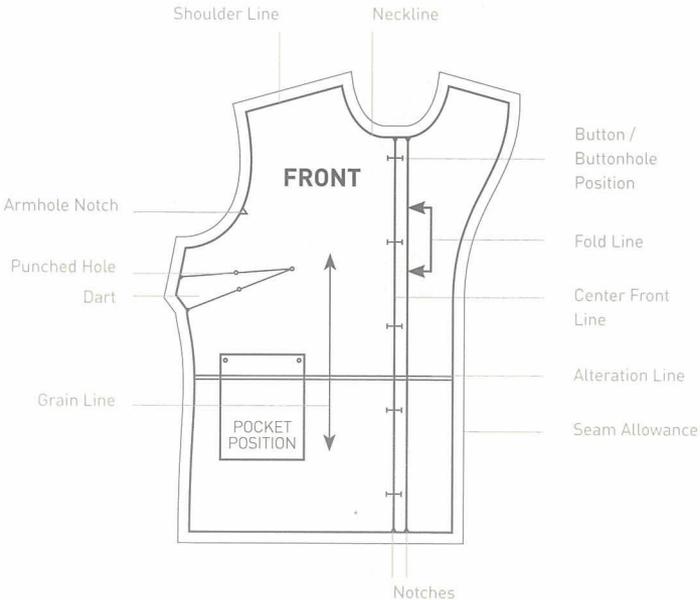


# 6.3 FLAT PATTERN

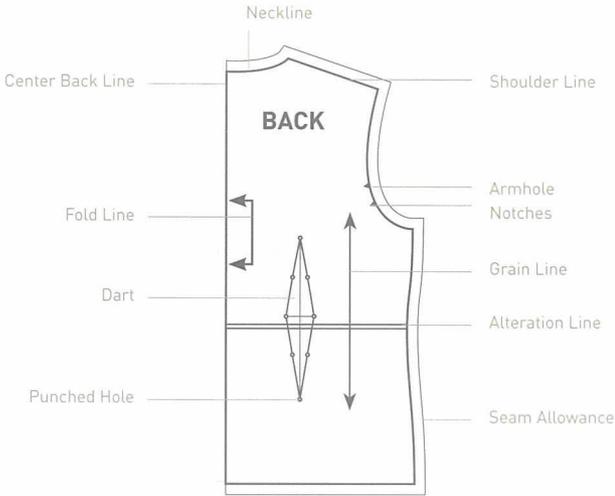
## PATTERN MARKINGS



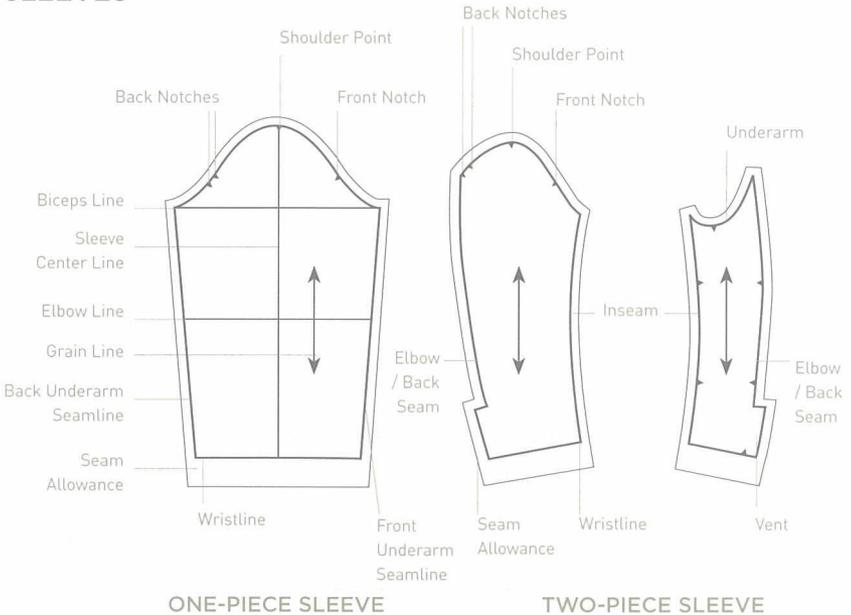
## PATTERN MARKINGS ON FRONT BODICE



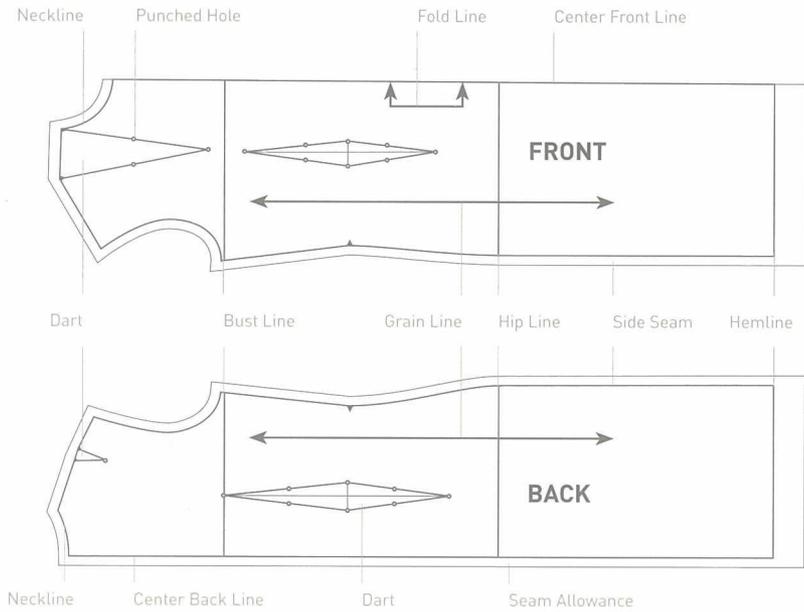
## PATTERN MARKINGS ON BACK BODICE



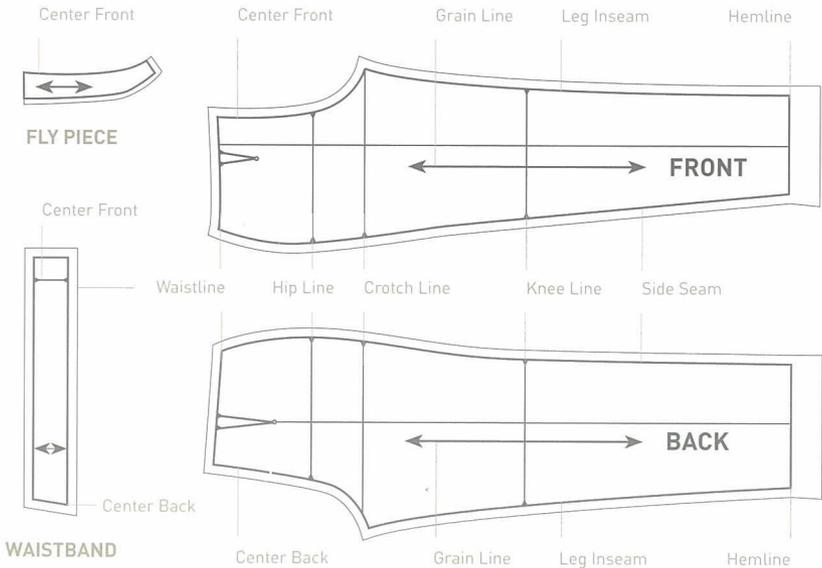
## PATTERN MARKINGS ON SLEEVES



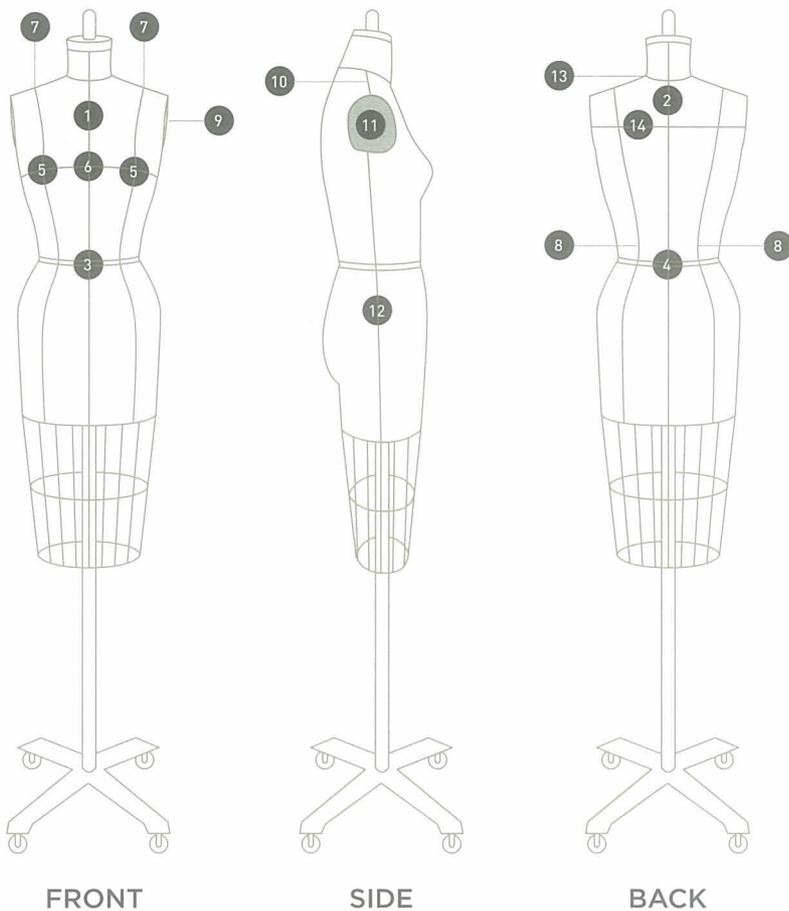
## PATTERN MARKINGS ON DRESSES



## PATTERN MARKINGS ON PANTS



## DUMMY ANATOMY



- 1 Center Front (CF)
- 2 Center Back (CB)
- 3 Front Waist
- 4 Back Waist
- 5 Bust Points

- 6 Center Front Bust Level
- 7 Side Front
- 8 Side Back
- 9 Mid-armhole
- 10 Shoulder Line

- 11 Armhole Plate
- 12 Side Seam (SS)
- 13 High Point Shoulder
- 14 Horizontal Balance Line

# 6.4 SEWING DETAIL

## DARTS



Vertical Dart



Bust Dart



Center Dart



Armhole Dart



French Dart



Neckline Dart

## DART STRUCTURE



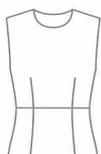
Shoulder Dart



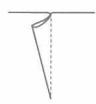
Fisheye Dart



Double Dart



Waistline Dart



Closed Dart

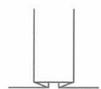


Open Dart

## PLEATS



Accordion / Knife Pleat



Box Pleat



Inverted Box Pleat



Side Pleat



Double Box Pleat



Cartridge Pleat



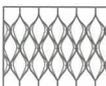
Kick Pleat



Fortuney Pleat



Fluted Pleat



Honeycomb Pleat



Rolled Pleat

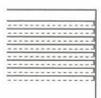


Sunburst Pleat

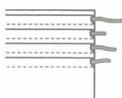
## TUCKS



Tuck



Pin Tuck



Piped Tuck

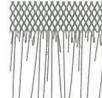
## GATHERING



Gathering



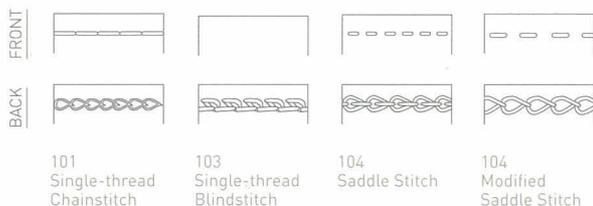
Shirring



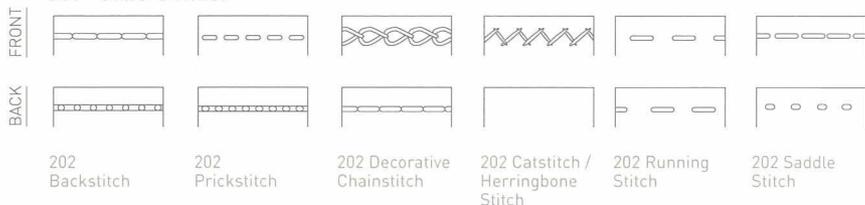
Smocking

## STITCH CLASSES

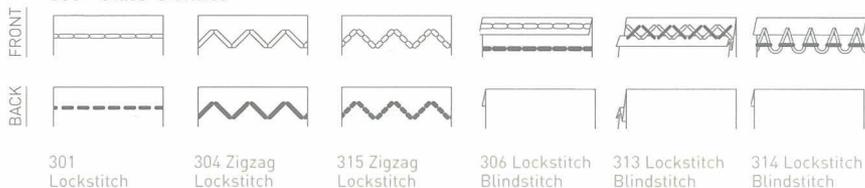
### 100 - Class Stitches



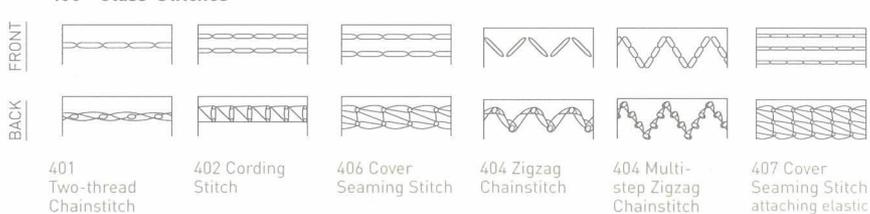
### 200 - Class Stitches



### 300 - Class Stitches



### 400 - Class Stitches



### 500 - Class Stitches



### 600 - Class Stitches



## SEAM CLASSES

Superimposed Seams

Seam Drawing							
Seam Code	SSa [1.01.01]	SSe [1.06.03]	SSq [2.42.04]	SSh [4.04.01]	SSat [5.06.01]	SSw [2.04.06]	SSag [4.10.02]
Name	Plain Seam	French Seam	Yoking	Cover Seam	Setting Stripe	Mock Felled Seam	Seaming
Common Application	General seaming	Edges of collars	Attach yokes	Sweatshirt seams	Attach stripes	Side seams of shirts	Tap the neckline of T-shirts

Lapped Seams

Seam Drawing							
Seam Code	LSa [2.01.01]	LSb [2.02.01]	LSd [5.31.01]	LSc [2.04.06]	LSe [1.22.01]	LSq [2.02.03]	LSr [2.06.02]
Name	Lap Seaming	/	Patch Pocket Setting	Felled Seam	Yoking	Welt Seam	Sleeve Set
Common Application	Attach knit cuffs	Side seam of jeans, less common than LSq	Patch pockets	Side seam of jeans	Yokes (less common than SSq)	Side seams of shirts	Setting sleeves

Edge Seams

Seam Drawing							
Seam Code	EFa [6.02.01]	EFb [6.03.01]	EFc [6.06.01]	EFd [6.01.01]	EFh	EFp [8.06.01]	EFr [7.26.05]
Name	/	Clean Finish Hem	Blind Hemming	Serging	Belt Loops	/	Tunnelled Elastic
Common Application	Hem on knits	Shirttail hems	T-shirt hems	Serging pants panels, fly, etc.	Belt loops	Making straps	Insert elastic bands

Bound Seams

Seam Drawing							
Seam Code	BSa [3.01.01]	BSb [3.03.01]	BSc [3.05.01]	BSg [3.14.01]	BSj [3.05.06]	BSe [3.14.01]	BSf mod
Name	/	/	/	Blinding	/	/	/
Common Application	Foldover braids	Binding edges	Piping	Clean finish blinding	Clean finish blinding	Seaming & binding on outerwear	Topstitch hidden in seam line

Flat Seams

FSa [4.01.01]	FSb [4.02.01]	FSc [4.03.02]	FSf
Flatseaming	/	/	/
Underwear flatseaming	/	/	Bolt end seaming

Ornamental Seams

OSa [5.01.01]	OSd [5.20.01]	OSf [6.05.01]
Decorative Stitch	Tunnel	/
Jeans back pockets	Tunnelled gathering waist	Sewing darts

## HEM &amp; OTHER EDGE FINISHINGS



Raw Edge



Overlock Edge



Narrow Overlock Edge



Turned-up Hem

Faced Hem  
a piece of facing attached

Binding Hem

Hand-overcast Edge /  
Blindstitch Edge

Turned &amp; Stitched Edge



Overlocked Turned-up Hem



2-needle Lockstitch Hem



3-needle Lockstitch Hem



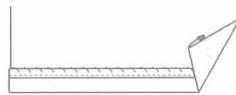
Overlocked Blind Edge



Piping Edge



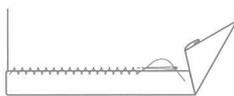
Piped Cord Edge



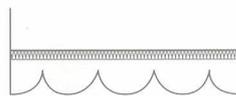
Piped Blind Hem



Rolled Hem



Blind Catch Stitch Hem



Scalloped Hem



Overlocked Scalloped Hem



Pinked Edge



Embroidery Hem



Shell Hem



Facing Edge



Mitered Hem

# 6.5

# EMBELLISHMENT

## BUTTONS



2-hole Flat



4-hole Flat



Flat Shank



Quarter Shank



Half Shank



Full Shank



Covered



Toggle



Knot



Beaded



Mandarin / Frog



Faceted



Carved



Heart-shaped



Crest



Jeans

## SNAP / PRESS BUTTONS



Button



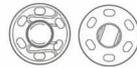
Stud



Socket



Eyelet



Press Button

Baby Durable Dot Snap Fastener

## BUTTON STITCHING



Two holes with horizontal stitching



Four holes with parallel stitching



Parallel stitching & crossover



Parallel stitching & S-crossover



Parallel stitching & Z-crossover



X-stitching



X-stitching & crossover

## BUTTONHOLES



Machine Keyhole



Fishtail Keyhole



Machine Square



Machine Round



Radial Straight

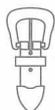


Eyelet Taper



Bound

## BUCKLES & SLIDERS



Buckle Set



Fashion Buckle



Half Roller Buckle



Double Tongue Roller Buckle



Full Skate Buckle



Half Solid Brass Buckle



Full Shoe Buckle



Full Buckle



Interlocking Buckle



Bolt Snap / Trigger Hook



Cam Buckle



Concealed Hook Buckle



Brass Slide



Full Slider

## PLASTIC BUCKLES & SLIDERS



Side Release



Tri-Glide



Strap Adjuster



Keeper &amp; Step Lock



Center Release



Split Release



Reducing Loop



Tri-Loop



Plastic D-Ring



Plastic Rectangle Ring



Rotate Snap Hook



Cord Lock

## HOOK & EYE FASTENERS



Hook &amp; Eye Buckle



Over-latch Clasp



Hook &amp; Bar



Slide Hook



Hook &amp; Eye



Covered Hook &amp; Eye

## RINGS



Flat Ring



Light Ring



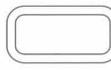
Heavy Ring



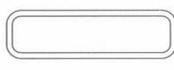
Solid Brass Ring



Split Ring



Wire Square Ring



Wide Wire Rectangle Ring

## RECTANGLE RINGS

## D-RINGS



Heavy D-Ring



Light D-Ring



Unwelded D-Ring



Welded D-Ring

## CORNERS



Collar Tip



Engraved Collar Tip

## RIVETS



Bifurcated Rivet



Pyramid Rivet



Double Capped Rivet



Tubular / Self Piercing Rivet



Pyramid Spike



Cone Spike

## EYELETS & WASHERS



Small Eyelet & Washer



Large Eyelet & Washer



Oval Eyelet & Washer



Floral-shaped Eyelet & Washer



Ski Loop

## SEQUINS



Cup Sequin



Flat Sequin



Flat Paillette



Star Sequin



Heart Sequin



Leaf Sequin

## BEADS



Seed Bead



Bugle Bead



Metal Bead



Wood Bead



Navette Gemstone



Rectangular Gemstone



Faceted Oval Bead



Faceted Round Bead



Pear Faceted Gemstone with Mount



Baguette Faceted Gemstone with Mount



Navette Faceted Gemstone with Mount

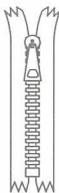


Rhinestone Motif

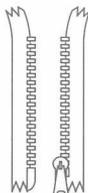


Beaded Motif

## ZIPPERS



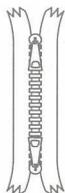
Closed End



Open End



Invisible

Two-way /  
Bottom-to-  
bottomBag Type/  
Head-to-  
head

## ZIPPER TEETH



Molded Plastic Teeth



Coil Nylon Teeth

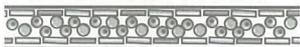


Metal Teeth

## ZIPPER SLIDERS

Non-lock  
SliderAuto-lock  
SliderPin lock  
SliderDouble  
PullKey Lock  
SliderCord  
PullChain  
PullTape  
PullLeather  
PullSilicon  
Pull

# TRIMMING



Beaded Trim



Braid



Jute



Chain



Cordedge



Lace



Cord



Serpentine Braid / Rickrack



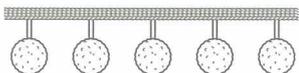
Sequin



Fringe



Feather Fringe



Pom-pom Fringe



Iron-on Trim



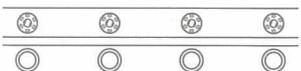
Fishnet Ribbon



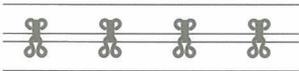
Leather Tape



Rhinstone



Snap Tape



Hook & Eye Tape

## CHAIN



Curb Chain



Double Curb Chain



Figaro Chain



Trace Chain

uniform breadth and thickness,  
delicate and in finer width



Rolo / Belcher Chain



Cable Chain



Double Link Cable Chain



Double Cable Chain



Garibaldi Chain



Byzantine Chain



Popcorn Chain



Ball Chain



Cobra Chain



Scroll Chain



Venetian / Box Chain



Anchor Chain



Bar Chain



Barley Corn Chain



Foxtail Chain



Spiga Chain



Snake Chain



Cocoon Chain



Omega Chain



French Rope Chain

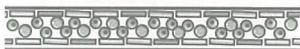


Panther Chain



Herringbone Chain

## TRIMMING



Beaded Trim



Braid



Jute



Chain



Cordedge



Lace



Cord



Serpentine Braid / Rickrack



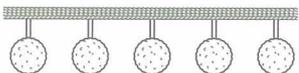
Sequin



Fringe



Feather Fringe



Pompom Fringe



Iron-on Trim



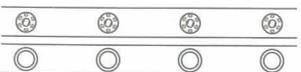
Fishnet Ribbon



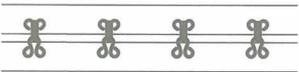
Leather Tape



Rhinstone



Snap Tape



Hook & Eye Tape

## CHAIN



Curb Chain



Double Curb Chain



Figaro Chain

Trace Chain  
uniform breadth and thickness,  
delicate and in finer width

Rolo / Belcher Chain



Cable Chain



Double Link Cable Chain



Double Cable Chain



Garibaldi Chain



Byzantine Chain



Popcorn Chain



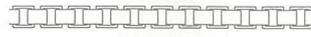
Ball Chain



Cobra Chain



Scroll Chain



Venetian / Box Chain



Anchor Chain



Bar Chain



Barley Corn Chain



Foxytail Chain



Spiga Chain



Snake Chain



Cocoon Chain



Omega Chain



French Rope Chain



Panther Chain



Herringbone Chain

# 6.6 LABEL

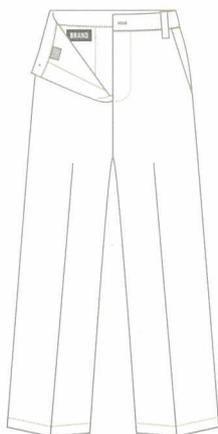
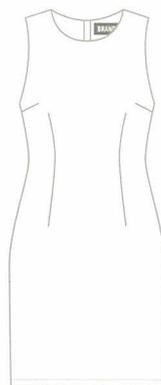
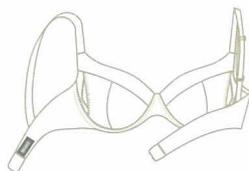
## COMMON GARMENT LABELS AND DESCRIPTION



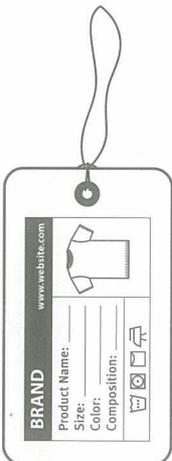
---

<b>Main Label</b>	/ shows the brand name or logo of a company
<b>Size Label</b>	/ defines a specific set of measurements of the human body
<b>Flag Label</b>	/ sewn at outside of the side seam. Flag labels normally include a brand logo or name and are used as a design feature
<b>Care Label</b>	/ shows the washing and ironing instruction
<b>Manufacturer Label</b>	/ shows the manufacturer's code given by buyers. Most of the international buyers source garments from different parts of the world. In case buyers need to track the manufacturer of a particular product, they use this code
<b>Other Special Labels</b>	/ show other information customers or buyers want to know. For example, batch mark, country of origin, fiber content of the garment, etc.

## COMMON LABEL PLACEMENT POSITIONS

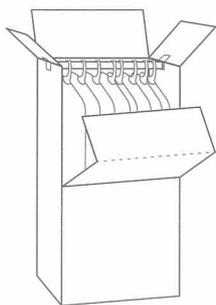


## HANGTAG DESIGN EXAMPLES

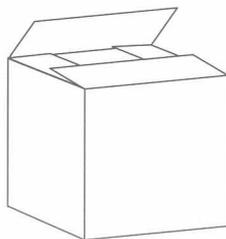


## 6.7 PACKAGING

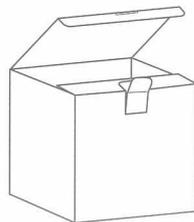
### CARTON BOX TYPES



Wardrobe Box  
with Hanging Rail

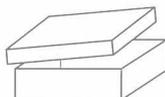


Regular Slotted  
Carton Box



Die Cut Locking  
Carton Box

### GIFT BOX TYPES



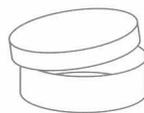
Lid & Base Box /  
Telescope Box



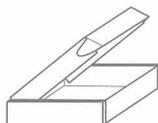
Two Tuck End Box



Match Box



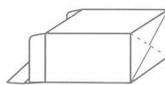
Round Box /  
Tube Box



Lock-corner Hinged  
Lid Box



Folding Box



Auto Bottom  
Tuck Box



Lid & Base Box  
with Transparent  
Window

### OTHER PACKAGING



Transparent Polybag



Wrapping Tissue Paper



Dust Bag

# 6.8 FABRIC SOURCING



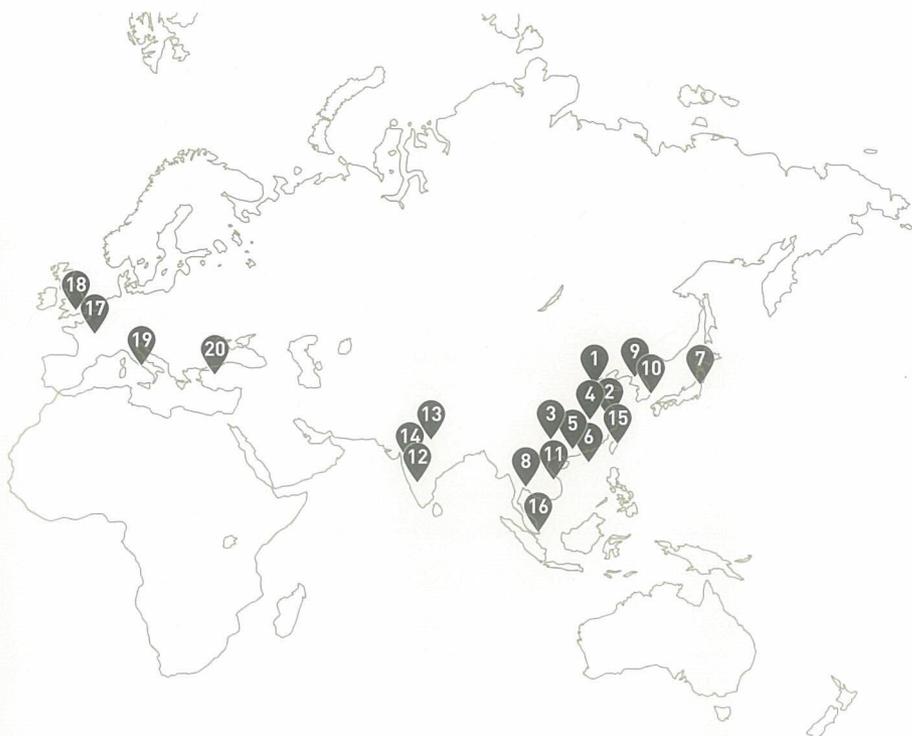
Asia

China

- Beijing
- Shanghai
- Guangzhou
- Hangzhou
- Shenzhen
- Hong Kong
- Tokyo
- Bangkok
- Seoul
- Seoul
- Hanoi
- Mumbai
- New Delhi
- Gujarat

- Japan
- Thailand
- South Korea
- Vietnam
- India

- 1 Muxiyuan Fabric Market
- 2 South Bund Fabric Market
- 3 Zhongda Fabric Market
- 4 Sijiqing Fabric Market
- 5 Dongmen Fabric Market
- 6 Sham Shui Po
- 7 Nippori Textile Town
- 8 Phahurat Market
- 9 Dongdaemun Fabric Market
- 10 Gwangjang Market
- 11 Ninh Hiep Fabric Market
- 12 Mangaldas Market
- 13 Gandhi Nagar Textile Market
- 14 Surat Textile Market



Asia	Taiwan	Taipei	15	Yongle Fabric Market
	Singapore	Singapore	16	Textile Centre
Europe	France	Paris	17	Marché Saint Pierre
	United Kingdom	London	18	Goldhawk Road
	Italy	Rome	19	Fratelli Bassetti Tessuti
	Turkey	Istanbul	20	Mahmutpasha Bazaar
America	USA	New York City	21	Midtown Manhattan - Garment District
		Los Angeles	22	LA Fashion District
	Mexico	Mexico City	23	Centro Historico
	Brazil	São Paulo	24	Rua 25 de Março

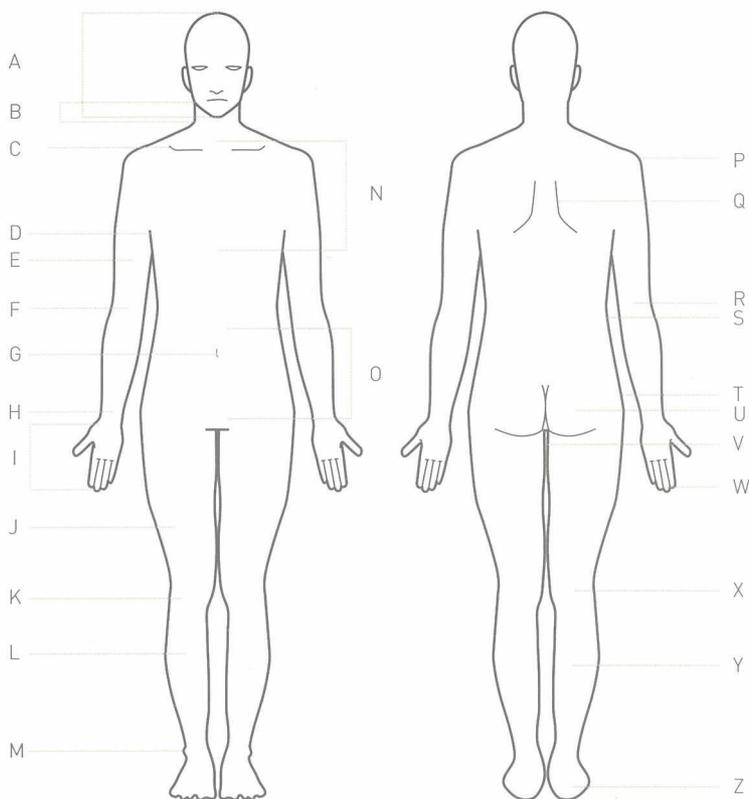
I LIKE THE BODY.  
I LIKE TO DESIGN  
EVERYTHING TO  
DO WITH THE  
BODY.

/ GIANNI VERSACE





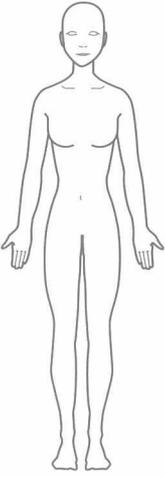
## MEN'S BODY TERMINOLOGY



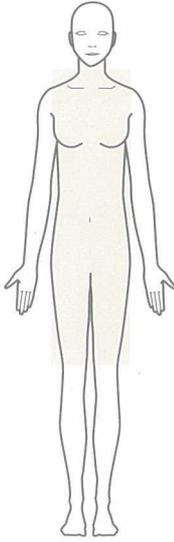
O Abdomen  
 P Shoulder  
 Q Shoulder Blade  
 R Elbow  
 S Waist  
 T Hip  
 U Buttock

V Crotch  
 W Finger  
 X Back of Knee  
 Y Calf  
 Z Foot

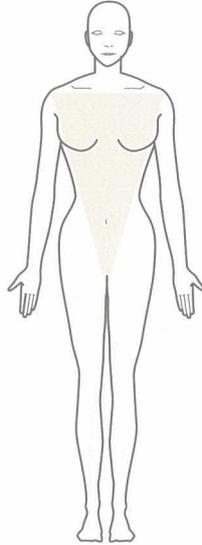
## WOMEN'S BODY SHAPES



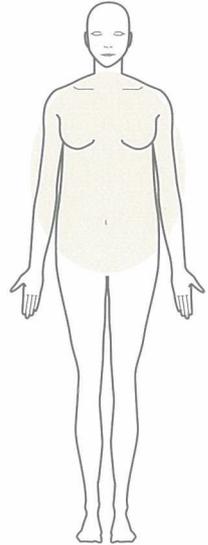
Petite



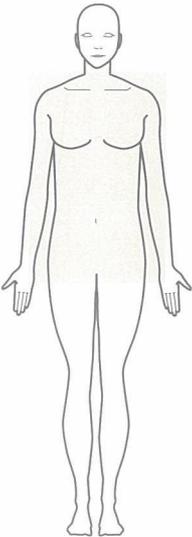
Column



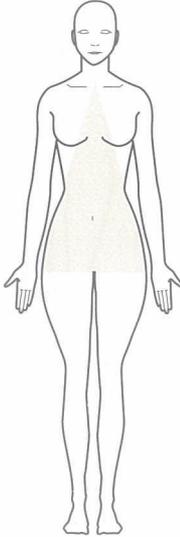
Inverted Triangle



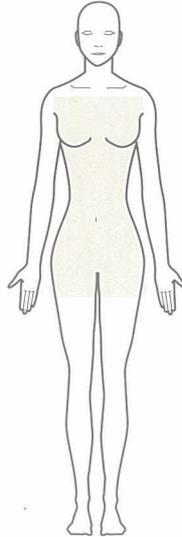
Apple



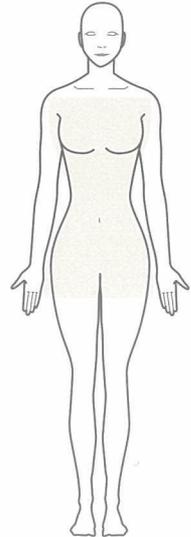
Brick



Pear

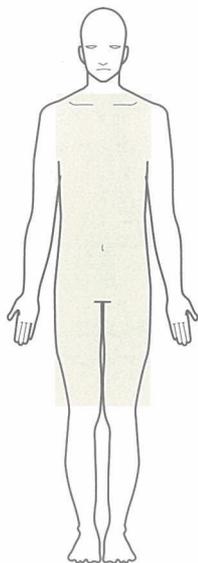


Hourglass

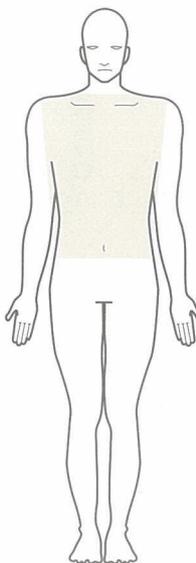


Full Hourglass

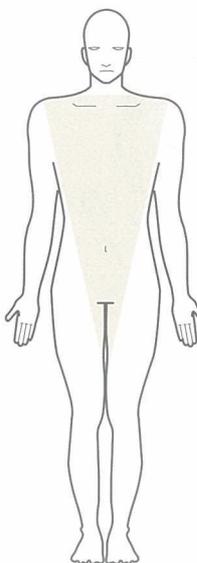
## MEN'S BODY SHAPES



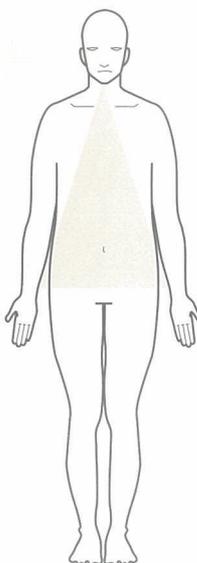
Column



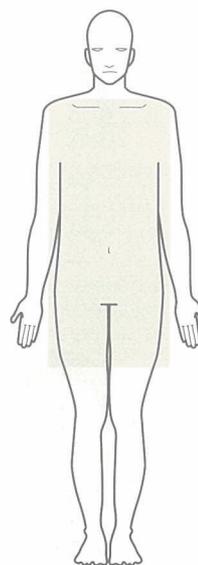
Trapezium



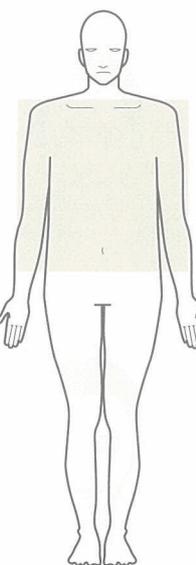
Inverted Triangle



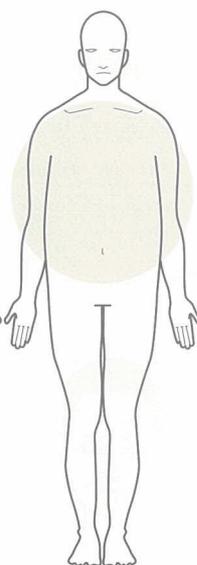
Triangle



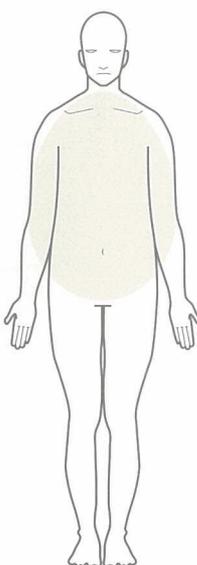
Rectangle



Square

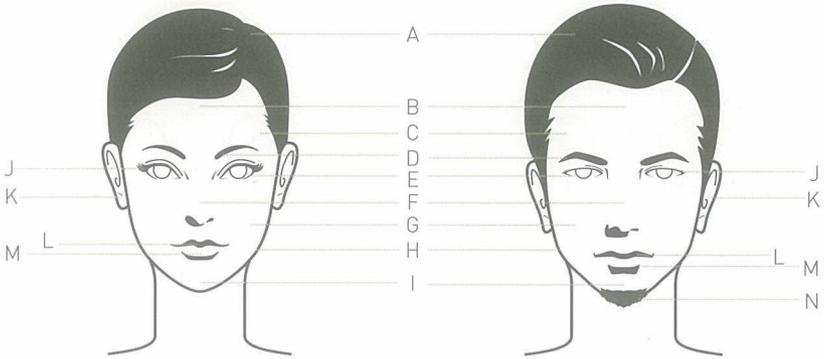


Circle



Oval

## TERMINOLOGY FOR THE HEAD



- A Hair
- B Forehead
- C Temple
- D Eyebrow
- E Eye
- F Nose
- G Cheek

- H Jaw
- I Chin
- J Eyelash
- K Ear
- L Mouth
- M Lip
- N Beard

## FACE SHAPES



Oval



Oblong



Square



Inverted Triangle



Diamond



Round

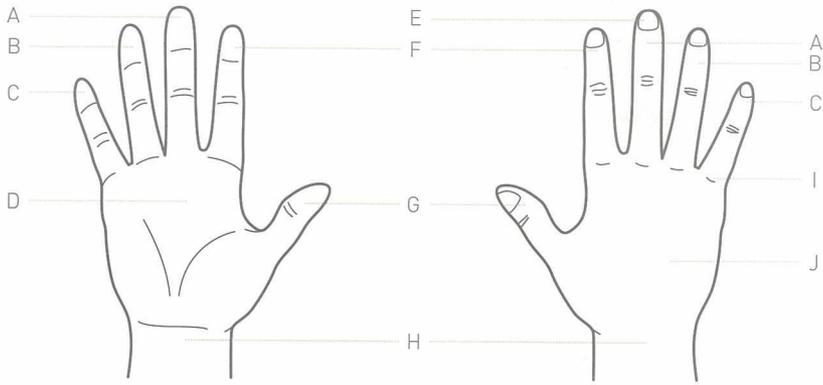


Heart-shaped



Rectangle

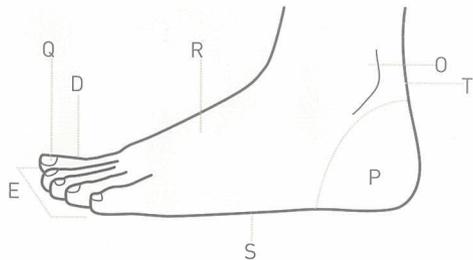
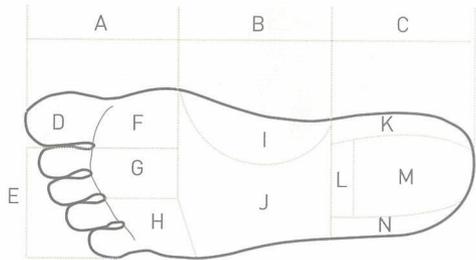
## TERMINOLOGY FOR THE HAND



A	Middle Finger	F	Index Finger
B	Ring Finger	G	Thumb
C	Little Finger / Pinky Finger	H	Wrist
D	Palm	I	Knuckle
E	Fingernail / Nail	J	Back of the Hand

## TERMINOLOGY FOR THE FOOT

A	Forefoot
B	Midfoot
C	Hindfoot
D	Hallux / Big Toe
E	2nd, 3rd, 4th & Little Toes
F	1st Metatarsal Head
G	2nd & 3rd Metatarsal Heads
H	4th & 5th Metatarsal Heads
I	Arch
J	Lateral Midfoot
K	Inner Heel
L	Heel Front
M	Heel
N	Outer Heel
O	Ankle
P	Rearfoot
Q	Toenail
R	Upper Part of the Foot
S	Sole
T	Achilles Tendon



# 7.2 HAIR

## COMMON WOMEN'S HAIRSTYLES



Bob



Box Bob /  
Short Bob



Short Bob /  
Graduated Bob



Curl Under /  
Page Boy



Bowl Cut



Asymmetric  
Cut



Pixie Cut



Shag



Kiss Curls



Finger Waves /  
Marcelling



Curly Hair



Wavy Hair



One Length



Layered Cut



Hime Cut



Afro

Spiral Afro Curls /  
RingletsFeathered  
Hair

Blowout

Braid /  
PlaitBunches /  
PigtailAll Back /  
Brushed Back

Ponytail



Bun



French Twist



Beehive



Bouffant



Cornrows

## COMMON MEN'S HAIRSTYLES



Side Part



Crew Cut



Caesar Cut



Quiff



Wings



Curtained Hair



Spiky Hair



Fauxhawk



Emo



Devilock



Afro



Dreadlocks /  
Dreads



High and Tight



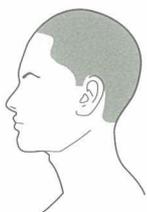
Man Bun



Top Knot



Shape-Up



Skinhead



Fade



Undercut



Pompadour



Hi-top Fade



Mullet



Dreadhawk

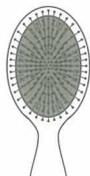
Mohawk Cut /  
Mohican

## HAIR COMB TYPES



Bristle Paddle Brush

- / Natural bristles stimulate the scalp for better blood circulation
- / Best for medium to long hair
- / Useful for untangling hair



Nylon Paddle Brush

- / With rounded pins
- / Massages the scalp and distributes natural hair oils
- / For fine hair or brushing wet hair



Parting Comb / Rat Tail Comb

- / For parting hair into sections
- / Smooths hair



Bristle Round Brush

- / Natural bristles stimulate the scalp for better blood circulation
- / Distributes natural oils for shinier, more manageable hair
- / For smooth blowouts



Detangler Brush

- / A mix of bristles in varying lengths
- / Best at removing knots and tangles

## HAIR ACCESSORIES



Alice Band



Headband



Bra Strap Headband



Comb Alice Band



Tiara



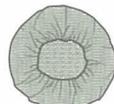
Hair Comb



Hair Bow



Chignon Cover



Hairnet



Hair Slide / Bobby Pin



Hair Slide



Hair Stick



Hair Claw



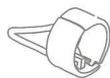
Barrette



Snap Barrette



Scrunchie



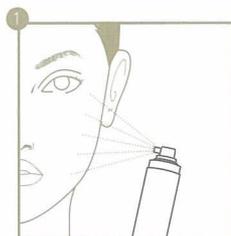
Ponytail Cuff



Ponytail Holder / Hair Tie

# 7.3 COSMETICS

## MAKEUP STEP-BY-STEP



### MOISTURIZER

- / Wash the face
- / Apply moisturizer
- / It smooths and keeps the skin supple



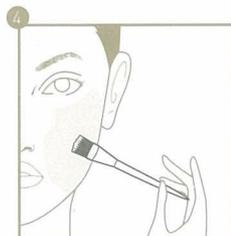
### PRIMER

- / Apply primer on the face and neck
- / It minimizes pores and conceals any flaws on the skin



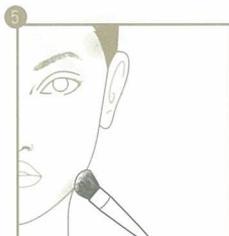
### CONCEALER

- / Dab carefully over the problem area and blend with fingertips
- / It covers any blemishes on the skin



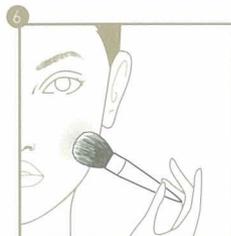
### FOUNDATION

- / Apply small patches to the chin, cheeks and forehead
- / Blend to cover the entire face



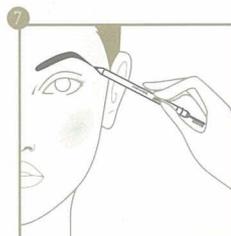
### HIGHLIGHTER & BRONZER

- / Apply to the area desired and blend
- / It makes the face look more defined



### BLUSH

- / Apply to the apples of the cheeks
- / It gives the face a pleasant glow



### EYEBROW PENCIL

- / Draw along the natural line of the eyebrow
- / Color in slightly lighter than the hair



### EYESHADOW, LINER & MASCARA

- / Use three shades of eyeshadow, starting with the lightest color
- / Apply eyeliner and mascara



### LIPSTICK, LINER & GLOSS

- / Finish the look by applying lip makeup
- / May apply a layer of lip gloss

## HIGHLIGHTING AND CONTOURING



### Highlighting

Brightens up the middle of the forehead

Lifts the brows and brightens the eyes

Defines the cheeks

Brightens up the nose

Creates shadows and cuts creases



### Contouring

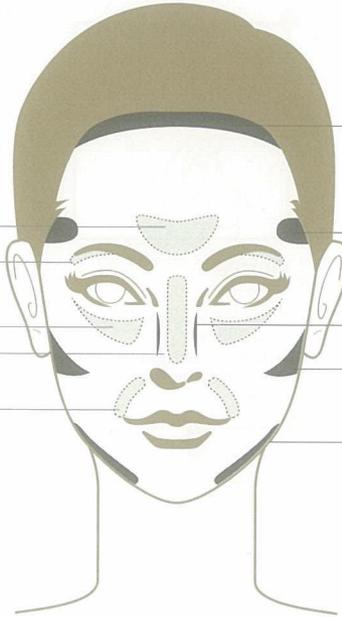
Shortens the forehead

Adds depth to the face

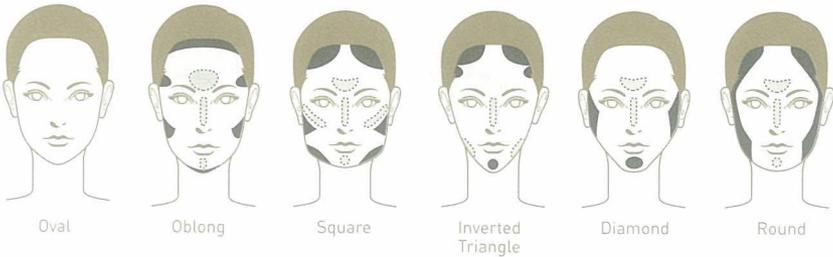
Makes the nose look slimmer and more defined

Enhances the bone structure

Defines the face and makes it look slimmer



## HIGHLIGHTING & CONTOURING FOR DIFFERENT FACE SHAPES



## MAKEUP PRODUCTS

### FOR FACE



Primer

Liquid  
FoundationPowder  
FoundationSpray  
FoundationSetting Powder /  
Loose Powder

Concealer



Bronzer



Luminizer



Blush

Shimmer  
& Glitter

### FOR EYES



Eye Primer



Eyeshadow



Eyeliner



Mascara



False Lashes

### FOR EYEBROWS



Eyebrow Pencil



Eyebrow Powder

### FOR LIPS



Lip Primer



Lip Pencil



Lipstick



Lip Gloss

## MAKEUP TOOLS

### BRUSHES



Fan Brush

- / For applying highlighter and blush
- / Creates gentle contours



Flat Foundation Brush

- / For applying liquid foundation
- / For applying and blending concealer



Foundation Brush

- / For applying liquid foundation and concealer
- / For blending cream products



Flat Top Brush

- / For applying and blending liquid or cream foundation
- / For applying powder for full coverage



Angled Foundation Brush

- / For applying liquid or cream foundation
- / For blending concealer
- / For blending cream blush and bronzer



Powder Brush

- / For applying powder foundation, powder blush, bronzer and highlighter
- / For applying products to the body



Round Buffing Brush

- / For applying and blending foundation and concealer
- / Controls color
- / Contours



Stippling Brush

- / For applying liquid or cream foundation
- / For applying highlighter and blush



Angled Blush Brush

- / For applying blush, bronzer and highlighter
- / Contours cheekbones and other features



Blush Brush

- / Its small size allows precise application
- / For applying and blending blush, bronzer and highlighter

### OTHER MAKEUP TOOLS



Lash Curler



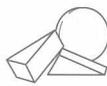
Tweezer



Sharpeners



Air Brush



Sponge / Applicator



Eyebrow Brush & Lash Comb



Safety Scissors



Nail Files



Blotting Paper



Mirror

## EYELINE &amp; EYEBROW STYLES

## EYELINE STYLES



Basic



Simple



Double Up



Classic Bar



Dropped Flick



Bold



Pin-up



Feline



Double Flick



Arabic



Luxe



Slept-in Smudge



Egyptian



Double Mod



Open Wings



Drama

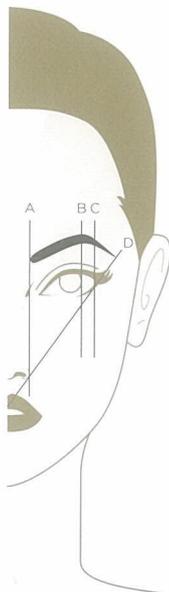


Soft Smoke



Panda Smudge

## EYEBROW SHAPING



- A** Line up the inner edge of the brow with the outside of the corresponding nostril (A).
- B/C** The highest point of the arch should be just at the outer edge of the iris (B). However, a more sophisticated eye is achieved when the highest point occurs at the outer corner of the eyeball (C), depending on the face shape. Anywhere between B & C is optimal.
- D** The outer brow should taper off to a point that intersects with an imaginary line drawn from the center of lips, past the outer nostril, to the outer edge of the eye [D].

## EYEBROW STYLES



Rounded



Hard Angled



Flat

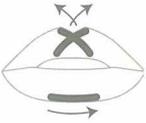


High Arched

## LIPS

### LIP MAKEUP STEP-BY-STEP

1



Create an 'x' on the upper lip and an outline in the middle of the lower lip

2



Fill the two parts

3



Outline the upper lip

4



Fill the upper lip

5



Fill the lower lip

### LIP SHAPES



Thin Lower



Oval



Thin Upper



Downturned



Thin



Large Full



Small

### SKIN COLORS & LIPSTICK SHADES



Fair Skin

- ✓ cool skin undertone / pinkish beige, light mocha, light mauve

- ✓ warm skin undertone / shell, sand, nude peach



Medium Skin

- ✓ cool skin undertone / rosy pink, cranberry, plum, raspberry

- ✓ warm skin undertone / bronze, copper, cinnamon



Olive Skin

- ✓ cool skin undertone / light brown, dark berry, brick red

- ✓ warm skin undertone / brick red, brown red, caramel



Darker Skin

- ✓ cool skin undertone / dark red, deep plum, ruby red

- ✓ warm skin undertone / honey, ginger, copper bronze

## NAILS

### NAIL POLISH STEP-BY-STEP

1



Polish along the edge

2



Apply a dot near the base

3



Push the dot toward the cuticle

4



Sweep deliberately outwards

5



Continue towards the tip

6



Repeat on the other side

7



Sweep straight to the tip

### NAIL SHAPES



Oval



Squared Oval



Rounded Rectangle



Square



Round

### NAIL ART DESIGNS



Stripes



Polka Dots



Cupcake



French



Modern French



Fade-out Two-toned



Water Marble



Floral



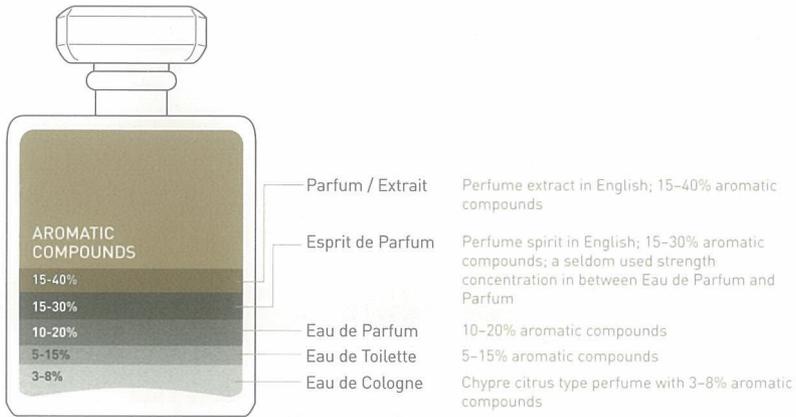
Mosaic



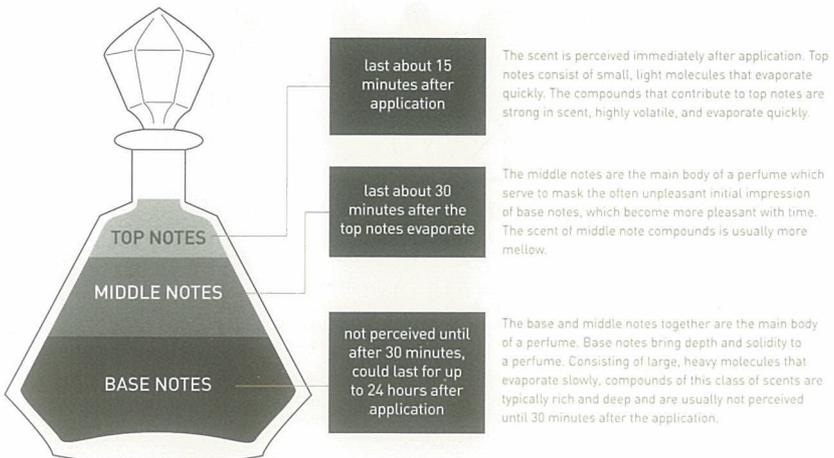
Letter

# 7.4 PERFUME

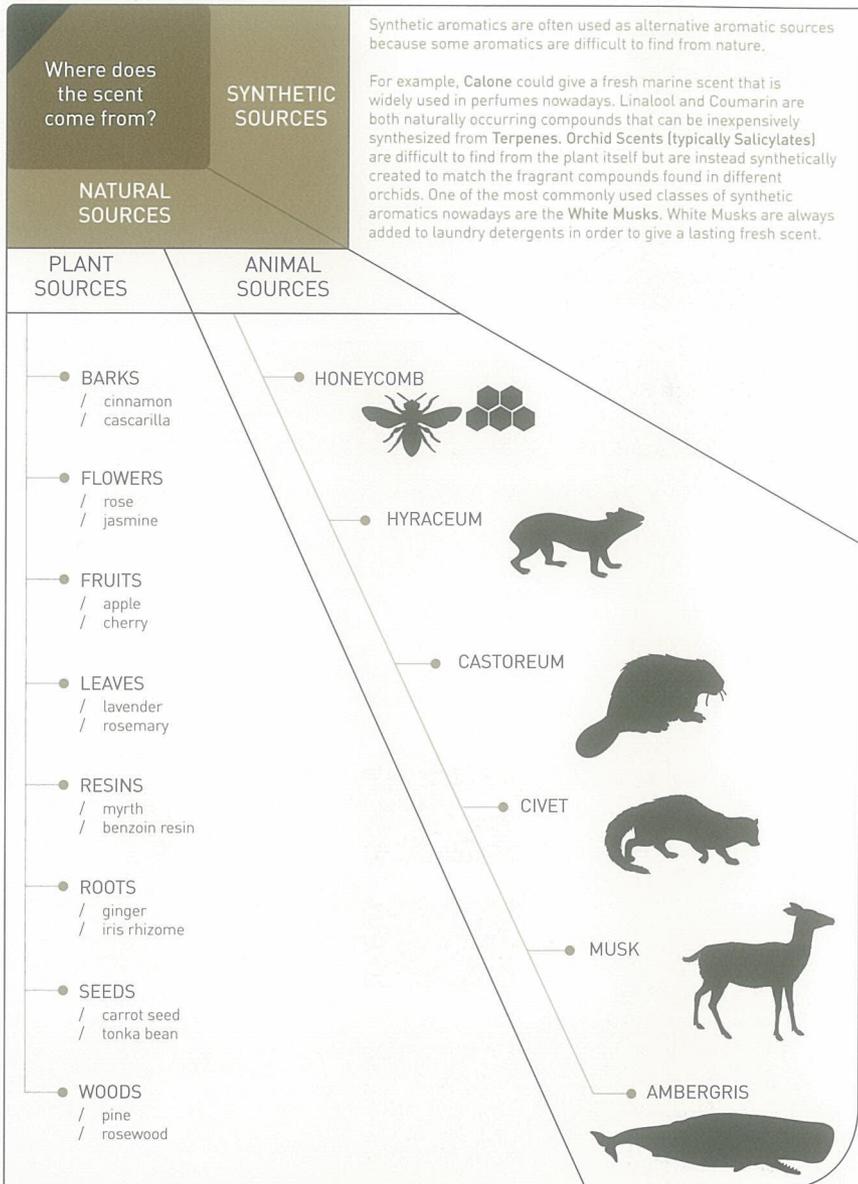
## PERFUME CLASSIFICATION



## PERFUME NOTES



## COMMON AROMATIC SOURCES



FASHION IS  
ARCHITECTURE.  
IT IS A MATTER OF  
PROPORTIONS.

/ COCO CHANEL

08

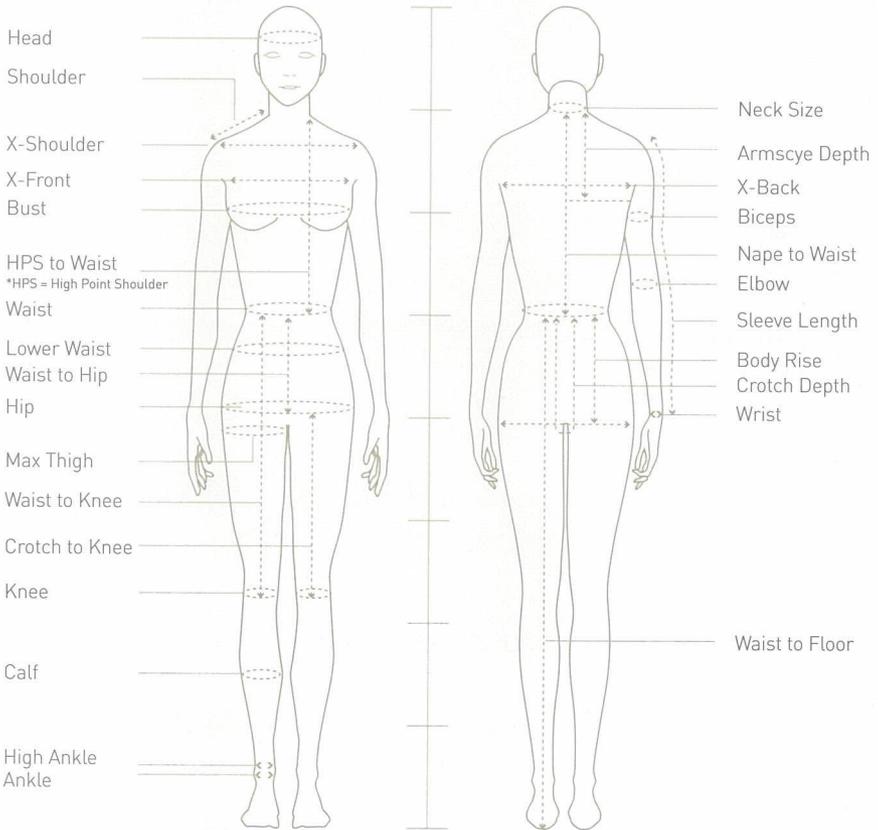
# MEASUREMENT AND CARE

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WOMEN'S MEASUREMENT / MEN'S  
MEASUREMENT / CARE LABELING /  
FABRIC CARE

# 8.1

# WOMEN'S MEASUREMENT



## WOMEN'S STANDARD BODY MEASUREMENTS (CM)

Size [US]	4	6	8	10	12						Standard Model
Size [UK/Aus]	8	10	12	14	16						
Size [EU / French]	36	38	40	42	44						
Size [Italy]	40	42	44	46	48		S	M	L	XL	
Size [Japan]	7	9	11	13	15						
Bust	82	87	92	97	102	82	84	94	100	84	
Waist	64	69	74	79	84	64	70	76	82	66	
Lower Waist	82	87	91	96.5	101.5	82	87	91	101.5	84	
Hip	88	93	98	103	108	88	94	100	106	91.5	
Head	54	56	56	57	58	54	56	57	58	56	
Neck Size	35.5	37	38	39.5	40.5	35.5	37	38.5	40	37	
Shoulder	12	12.5	12.5	13	13	12	12.5	12.5	13	12.5	
X-Shoulder	38	39	40	41	42	38	39	41	42	39	
X-Back	33	34.5	35.5	36.5	38	33	34.5	36	37.5	34.5	
X-Front	30.5	32	33.5	35	36.5	31	32.5	34	36	32.5	
HPS to Waist	42	42.5	43.5	44.5	45	42	42.5	44	46	42.5	
Nape to Waist	40.5	41	41.5	42	42.5	39.5	40.5	41.5	42.5	40.5	
Armscye Depth	20.4	21	21.5	22	22.5	21.5	22	22.5	23	22	
Sleeve Length	57.5	58	58.5	59	59.5	61	63	63.5	64.5	63	
Biceps	26.5	27	30	31.5	33	26.5	27	30.5	32.5	27	
Elbow	22	22	23	23.5	24	22	22	23	24	22	
Wrist	15.5	16	16.5	17	17.5	15.5	16	16.7	17.5	16	
Waist to Knee	58	58.5	59	59.5	60	59	59.5	60	61	59.5	
Waist to Hip	20	20	21	21.5	21.5	20	20	21	21.5	20	
Waist to Floor	103	104	105	106	107	103	104	105.5	107	104	
Body Rise	27.5	28	29	29.5	30	27	28	29	30	28	
Max Thigh	49.5	52	54.5	57	59.5	49.5	52	56	60	52	
Knee	33.5	34.5	36	37	38	33.5	34.5	36.5	38	34.5	
Calf	31	32.5	34	35	36	31	32.5	34	36	32.5	
High Ankle	20.5	21	21.5	22.5	23	20.5	21	22	23	20.5	
Ankle	23.5	24	24.5	25.5	26	23.5	24	25	26	23.5	

## WOMEN'S NEW EUROPEAN SYSTEM CLOTHING STANDARD SIZES (CM)

Size Code	XS	XS	S	S	M	M	L	L	XL
Bust Girth	76	80	84	88	92	96	100	104	110
Range	74-78	78-82	82-86	86-90	90-94	94-98	98-102	102-107	107-113
Waist Girth	60	64	68	72	76	80	84	88	94
Range	58-62	62-66	66-70	70-74	74-78	78-82	82-86	86-91	91-97
Hip Girth	84	88	92	96	100	104	108	112	117
Range	82-86	86-90	90-94	94-98	98-102	102-106	106-110	110-115	115-120

## WOMEN'S STANDARD HAT SIZES (CM)

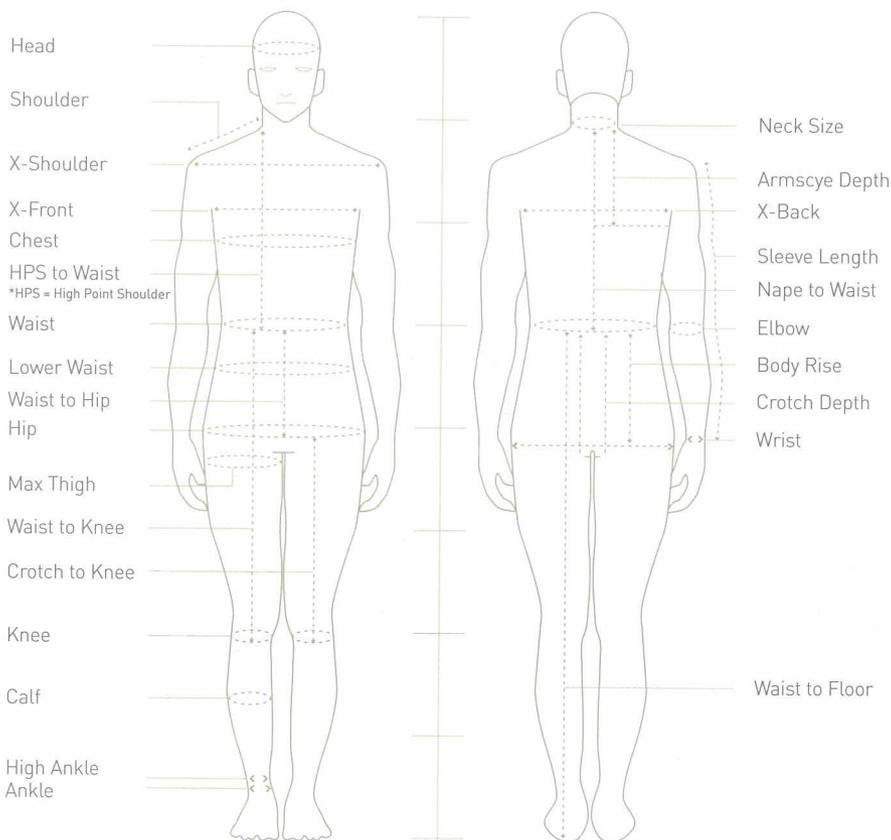
Size [US]	6 5/8	6 3/4	6 7/8	7	7 1/8	7 1/4	7 3/8	7 1/2	7 5/8
Size [UK]	6 1/2	6 5/8	6 3/4	6 7/8	7	7 1/8	7 1/4	7 3/8	7 1/2
Size [EU]	32	34	36	38	40	42	44	46	48
Size Code	XS	S	S	M	M	L	L	XL	XL
Circumference	52.7	54	55	55.9	56.8	57.8	59	60	60.6

## WOMEN'S STANDARD SHOE SIZES (CM)

Size [US]	6	6.5	7	7.5	8	8.5	9	9.5	10
Size [UK]	3	3.5	4	4.5	5	5.5	6	6.5	7
Size [France]	37	37.5	38	38.5	39	39.5	40	40.5	41
Size [Italy]	36	36.5	37	37.5	38	38.5	39	39.5	40
Size [Japan]	23	23.5	24	24	24.5	25	25.5	26	26

# 8.2

# MEN'S MEASUREMENT



## MEN'S STANDARD BODY MEASUREMENTS (CM)

Size [US / UK]	34	36	38	40	40	42	44	46					
Size [EU / France / Italy]	44	46	48	50	50	52	54	56	S	M	L	XL	
Size [Japan]	S	S	M	L	L	L	LL	LL					
Head	55	56	57	58	59	60	61	62	55	57	59	61	
Neck Size	37	38	40	40	41	42	43	44	38	41	43	45	
Chest	88	92	96.5	100	104	108	112	116	92	98	108	116	
Waist	74	78	84	86	90	98	102	106	75	83	91	99	
Lower Waist	77	81	87.5	89	93	100	104	108	78	86	94	102	
Hip / Seat	92	96	99	104	108	114	118	122	94	100	110	118	
Shoulder	13	14	15	16	17	18	19	20	14	15	17	20	
X-Shoulder	46	47	48	49	50	51	52	53	47	48	50	53	
X-Back	41.5	43	44.5	45.5	46.5	47.5	48.5	50.5	42	45	47	50	
X-Front	38	40	43	43	44	46	48	50	38	42	45	50	
Nape to Waist	42	43	44	45	46	47	48	48	44	44.8	45.6	46.4	
Armscye Depth	22	22.8	23.5	24.4	25.2	26	26.4	26.8	23	24.6	26.2	27.8	
Sleeve Length	64	66	68	68	69	70	70	70	64	65	66	67	
Elbow	24.5	25	25.5	26	26.5	26.5	27	27.5	25	25.5	26	27.5	
Wrist	16.4	16.8	17	17.6	18	18.4	18.8	19.2	16.8	17.6	18.4	19.2	
Body Rise	26.5	27	27	28	28.4	28.8	29.2	29.6	27	28.5	29.5	30.5	
Crotch Length	62	63	65	66.5	68	70	72	73.5	62	66	69	74	
Knee	35	36	37	38.5	40	41	42	43	35	38	40	43	
Calf	35.5	36.5	37.5	39	40.5	41.5	42.5	43.5	35.5	38	40.5	44	
High Ankle	22	22.5	23	23.5	24	24.5	25	25.5	22	23	24	25	
Ankle	24.5	25	25.5	26	26.5	27	27.5	28	24.5	25	26	28	

## MEN'S NEW EUROPEAN SYSTEM CLOTHING STANDARD SIZES (CM)

Size Code	XS	XS	S	S	M	M		L		L
Chest Girth	84	88	92	96	100	104	108	112	116	120
Range	82-86	86-90	90-94	94-98	98-102	102-106	106-110	110-114	114-118	118-123
Waist Girth	72	76	80	84	88	92	96	100	104	108
Range	70-74	74-78	78-82	82-86	86-90	90-94	94-98	98-102	102-106	106-111

## MEN'S STANDARD HAT SIZES (CM)

Size Code	XS	S	S	M	M	L	L	XL	XL
Size [US]	6 5/8	6 3/4	6 7/8	7	7 1/8	7 1/4	7 3/8	7 1/2	7 5/8
Size [EU]	32	34	36	38	40	42	44	46	48
Size [UK]	6 1/2	6 5/8	6 3/4	6 7/8	7	7 1/8	7 1/4	7 3/8	7 1/2
Circumference	52.7	54	55	55.9	56.8	57.8	59	60	60.6

## MEN'S STANDARD SHOE SIZES (CM)

Size [US]	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11
Size [UK / Australia]	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	8	8.5	9	9.5	10
Size [EU / France / Italy]	37	37.5	38	38.5	39	39.5	40	40.5	41	41.5	42	42.5	43	43.5	44
Size [Japan]	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28	28.5	29

# 8.3 CARE LABELING

## AMERICAN

## EUROPEAN

### WASH

Machine wash cycles

Normal Permanent press Gentle Handwash (40°C)

Water temperature

95°C 70°C 60°C 50°C 40°C 30°C

200°F 160°F 160°F 120°F 100°F 65-85°F

Normal Mild Very mild Handwash

95 60 40 30

Max 95°C Max 60°C Max 40°C Max 30°C

### BLEACH

Any bleach Chlorine bleach Only non chlorine bleach Do not bleach

Any bleach Chlorine bleach Only non chlorine bleach Do not bleach

### IRON

Any temperature High Medium Low No steam Do not iron

Max 200°C Max 150°C Max 110°C Do not iron

### DRY CLEAN

A P F Do not dry clean

Any solvent Any solvent except trichloroethylene Petroleum solvent only Do not dry clean

No steam Low heat Short cycle Reduced moisture

W F P

Wet cleaning Hydrocarbons process Tetrachloroethene & solvent listed on symbol F

Mild process Very mild process Do not dry clean

### DRY

Tumble dry cycles

Normal Permanent press Gentle Line dry Do not tumble dry

Tumble dry heat setting

Any heat No heat High Medium Low Dry flat Drip dry

Medium Max 80°C Low Max 60°C Do not tumble dry

### OTHER

Dry in the shade Do not dry Do not wring

## JAPANESE



Normal



Gentle



Handwash



Max 95°C



Max 60°C



Max 40°C



Max 30°C

Chlorine-based  
bleachingDo not  
bleachMax  
180-210°CMax  
140-160°CMax  
80-120°CCover with  
clothDo not  
ironPerchloroethylene  
or petroleum  
solvent onlyPetroleum  
solvent onlyDo not  
dry cleanHang & drip  
dryHang & drip  
dry in the  
shadeLay down to  
dry

Wring gently



Do not wring

## CHINESE



Normal



Mild



Very mild



Handwash



Max 95°C



Max 70°C



Max 60°C



Max 50°C



Max 40°C



Max 30°C



Any bleach

Only non  
chlorine  
bleachDo not  
bleach

Max 200°C



Max 150°C



Do not iron

Wet  
cleaningHydrocarbons  
processTetrachloroethene  
& solvent listed on  
symbol FMild  
processVery mild  
processDo not  
dry cleanMedium  
Max 80°CLow  
Max 60°CDo not  
tumble dry

Hang dry

Hang &  
drip dry

Dry flat

Flat &  
drip dryAway from  
sunlight

# 8.4 FABRIC CARE

 WASH

 DRY

COTTON	 Machine wash at all temperatures	 Dry at any temperature			
WOOL	 Machine wash at cold temperatures	 Handwash	 Do not use dryer	 Dry flat	 Do not wring
SILK	 Machine wash at cold temperatures	 Handwash	 Do not use dryer	 Do not wring	
LINEN	 Machine wash at all temperatures		 Dry at low temperatures		
POLYESTER/ NYLON	 Machine wash at warm temperatures		 Tumble dry on low	 Line dry	
VISCOSE/ RAYON	 Machine wash at cold temperatures		 Do not use dryer	 Do not wring	 Line dry
LYCRA/ SPANDEX	 Machine wash on normal cycle		 Tumble dry low		
ACETATE	 Machine wash at cold temperatures		 Do not use dryer	 Do not wring	
RAMIE	 Machine wash at cold temperatures		 Tumble dry on low	 Do not wring	 Line dry

**ATTENTION:**  
ALWAYS FOLLOW THE CARE LABEL  
ON THE GARMENT. IF THERE IS NONE,  
FOLLOW THIS CHART.

## IRON



Iron at any temperature  
or hang dry



Steam only



Steam or iron at low temperatures;  
Press inside-out



Iron when damp



Steam or press on low to  
medium heat



Steam and turn inside-out



Steam or iron at low temperatures



Iron when damp



Steam or iron at low temperatures

## CAUTION

! Do not bleach except for  
white garments

! Overbleaching can cause  
yellowing and damage

! Do not bleach

! Do not use hot water

! Do not use fabric  
conditioner

! Do not bleach

! Do not use hot water

! Do not use dryer

! Do not bleach except for  
white garments

! Overbleaching can cause  
yellowing and damage

! Do not bleach

! Do not bleach

! Do not use hot water

! Do not use vinegar

! Do not use dryer sheets

! Do not use starch

! Do not use hot water

! Do not use fabric  
conditioner

## GLOSSARY

Ab ▶ Cu

**Abrasion Level** / The degree of desired fraying and wearing on a garment achieved by stone abrasion during wash. Usually the heaviest at the thickest seams, such as the fly, pocket and hem.

**Abrasion Resistance** / The capacity to which a fabric sample can endure different forms of abrasion and friction commonly experienced during regular wear, such as surface rubbing and chafing.

**Acceptable Quality Level** / [AQL] An inspection benchmark for acceptance sampling, which indicates the highest tolerable percentage of defects amongst the lot submitted for sampling. MIL-STD-105E, ISO 2859-1 (1999).

**Acceptance Quality Limit** / [AQL] An inspection benchmark for acceptance sampling, which indicates the maximum tolerable average number of defective items amongst the lot submitted for sampling. ANSI/ASQC Z1.4-2003.

**AQL** / May refer to two different definitions depending on the context. See: **Acceptable Quality Level** and **Acceptance Quality Limit**.

**Artwork** / Designs or illustrations used for textile ornamentation purposes, commonly in the form of printing, weaving or embroidery. These works of art are often purchased from outsourced artists or specialty studios, and are usually unique and exclusive to the purchaser. "Confined" designs are those picked from a manufacturer's range and made exclusive to a customer.

**Bar Tack**



/ A series of hand- or machine-made stitches that reinforce specific parts of a garment, such as pocket openings and the bottom of a fly opening, which are commonly subject to stress.

**Blind Hem** / A type of hem finishing where the hem is turned up and secured with stitches that are barely visible from the right side of the garment. Can be done by hand or machine.

**Bonding or Laminating** / A textile treatment that involves fusing or applying a secondary layer of material, often nonwoven, to the primary textile to alter its hand-feel and/or functionality. Examples of common secondary materials: Polyurethane (for water resistance), foam (adds bulk and insulation), etc.

**Bow** / A fabric condition caused by the displacement of knitted courses (or filling yarns) from a line perpendicular to the selvages, resulting in one or more wavy arcs across the width of the textile. Similar conditions may occur in

woven fabrics as a result of incorrect finishing.

**Breaking Strength** / The maximum tension that a material specimen can withstand in a tensile testing before it tears.

**Burnout / Voided or Devoré** / Textile techniques used for creating a pattern or design, in which areas of fiber are removed while leaving a fine woven or knitted supporting structure, so that certain elements of the fabric appear translucent and some areas remain solid. This can be done by dissolving specific fibers on the textile using special chemicals to achieve the desired design. Alternatively, it can be done

by using a secondary layer of the fabric with the reverse of the design cut away and then applying the chemicals to burn away the pattern. / A test conducted to determine the fiber content by burning a swatch, yarn or fibers from a textile sample. Factors including the flammability, smell and quality of the residual ash or melted "bead" serve as indicators as to the true nature of the fiber or blend.

**Burn Test** / The maximum degree of force or pressure that a textile can endure before it bursts when subjected to force applied at right angles to the plane of the textile.

**Bursting Strength** / A set of directions which states the appropriate care practices to maintain a product without adverse effect, as well as warning of those practices which are expected to potentially damage the product. The instructions cover washing, drying, dry cleaning and ironing.

**Care Instructions** / [CO] An important trade document that attests the country of origin of the goods in question. This certificate is required in the USA and some other countries for tariff purposes.

**Certificate of Origin** / A type of machine knitting which produces a knitted "fabric" in the form of a tube. The fabric, which is knit on a circular knitting bed controlled by separate or sets of needles (called cylinders and dials), can be cut open and finished as a piece of flat fabric or left in its original tubular form, and is usually cut-and-sewn. Nowadays, many circular knitting machines are

interfaced with computers and can create elaborate jacquard or fancy stitch patterns, although they are unable to create separate panels to desired sizes and shapes or create "cable" patterns.

**CMT** / Abbreviation for "Cut, Make and Trim". A price jargon used in the apparel industry, referring to the preliminary cost charged by the

	contractor for completing the three critical steps of garment production: cutting the fabric, sewing and assembling the components, and finishing the garment, including trimming, embellishing, pressing and labeling.	<b>Country of Origin</b>	/ The country in which garments or other products were manufactured or assembled. This information is required on the garment label.
<b>CO</b>	/ See: <b>Certificate of Origin</b>	<b>Cover Stitch</b>	
<b>Color Approval</b>	/ A process in garment production where lab dips or print strike-offs are presented to a customer for approval or rejection, and to gather their comments for further correction. Common errors reflected in these comments include discrepancies in hue, chroma [saturation/intensity] and value [lightness/darkness], etc.		A type of cover stitch : 2-needle lockstitch
<b>Color Change</b>	/ Undesirable change in any of the color characteristics, such as the hue, chroma, lightness, or any combination of the above. The color distortion can be detected by comparing the test specimen in question with an untested specimen from a matching fabric or material.	<b>Crocking</b>	/ A type of seam finishing where the raw edges are topstitched on one or both surfaces, so that they are totally bound and enclosed by the threads. The appearance may vary according to the type of stitch and number of threads used.
<b>Color Combo, Colorway, Color Pitch</b>	/ Various ways of describing distinct color combinations used in a textile design or pattern, applicable to all types of patterns including prints, plaids, multi-color jacquards, etc. The related term "pitch colors" means to conceive new color palettes for a design based on the original one in an artwork or swatch.	<b>Crossing</b>	/ A colorant transferral phenomenon mainly caused by rubbing a colored yarn or fabric onto the surface of another fabric or an adjacent area of the same fabric.
<b>Colorfastness</b>	/ The ability of a material to resist change in any of its color characteristics, transferral of its colorants to other materials (see: <b>crocking</b> ), or both, due to any environmental factors it may encounter during any stage from manufacturing, testing, storage, to use.	<b>Cross Dye</b>	/ A dyeing technique that can be used to create speciality effects on a fabric comprising two or more different types of fibers. The special dyestuff used can only be absorbed by one of the fibers within the textile, resulting in heathered, iridescent finishes, or "yarn dye" effects such as oxford weaves and gingham plaids.
<b>Content</b>	/ The breakdown of the primary fabric's fiber contents in terms of percentage, e.g. 70% Wool, 30% Silk. The duty rates of imported garments or fabrics will be determined by this content.	<b>Cubic Feet</b>	/ The dimensions, namely length x width x height, of the shipment carton. This measurement is required for overshipments.
<b>Contractor</b>	/ A company or individual that supplies designated materials, labor or a product package with a contractual agreement of a specified sum and time frame.	<b>Customer Owned Goods (COG)</b>	/ Commodity or material purchased by a customer. This can also be a Repair Claim when the merchandise needs to be sent back to the vendor for repair.
<b>Converter</b>	/ A company or individual that converts greige goods into a finished textile through one or more procedures, such as bleaching, dyeing, printing, brushing, bonding, shrinking, etc.	<b>Cuttable Width</b>	/ The usable width of a piece of fabric - essentially the width of the textile minus the woven edge, selvages or where the finish does not cover the full width of the fabric. An important factor that determines the fabric yield.
<b>Counter Sample</b>	/ A specimen provided by the vendor at the pre-production stage for comments, approval or confirmation on various attributes of the garment, such as the fit and sizing, execution, interpretation of a design or model.	<b>Cut-and-Sew</b>	/ A contractor or factory specializing in cutting and sewing knitted textile and trims; usually in yardages instead of fully-fashioned panels. Due to knitted fabrics' elastic or stretch qualities, special attention to the pattern layout and fabric cutting is required during cut-and-sew procedures, in addition to specialized sewing equipment for construction and finishing.
		<b>Cutter's Must</b>	/ An itemized list of important information required for the production of a garment during the cutting stage, including laying out and cutting the fabric. The information on a Cutter's Must document includes: Directions

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**Cutter's Must**  
(cont'd)

and information for sewing and construction; all the pattern pieces for the body fabric, components and linings; main measurements; and the yields for all textiles and trims.

**Cutting Ticket**

/ A working document established by a contractor or manufacturer which lists the production details for a certain order. Much like a Work Order, it covers information such as the customer, style number, quantity, textile and trim details, etc.

**Dart**

/ A sewn element in garments that can help shape the fit or silhouette, or alternatively used as a decorative feature. It is a wedge or diamond-shaped piece removed from the garment's body, done by solely stitching or by cutting then stitching.

**Dimensional Change**

/ The discrepancy in the dimension, including the length and width, of a garment or textile sample when subject to certain conditions. Usually conveyed as a percentage of the sample's initial dimension.

**Dog Ear**

/ It is a short diagonal line sewn on the pocket corners. Adding small triangles to the corners will reinforce the pocket and prevent it from separating from the garment.

**Double-Bed (Vee) Knitting**

/ A form of machine knitting carried out on two flat beds of knitting needles facing each other, each in control of a stitch during the construction process. Often used for full-fashion knitting and complex stitch combinations, double-bed machines are capable of producing high density knits, such as rib construction, and are the only way of producing true 'cable stitches'.

**Drape**

/ The way a piece of fabric hangs or falls, which reflects the visual structure or aesthetic of the textile when made into a garment. Ways of describing the drape: soft, graceful, fluid, crisp, heavy, stiff, bouffant, etc.

**Dry Cleaning**

/ A way of cleaning fabrics using organic solvents without any water. Common dry cleaning solvents include fluorocarbons, petroleum solvents, and perchloroethylene. The dry cleaning process requires adding detergent and moisture to the solvent in an environment of up to 75% relative humidity, and hot tumble-drying at 71°C (160°F).

**Dyer / Dye House**

/ A converter specializing in dyeing fabrics according to customers' requirements. Offered in a wide spectrum of colors, dyes are chemicals that work by penetrating and bonding with the fibers of a fabric to give it color, the permeance

of which depends on various factors, including the fiber, the dyestuff, the 'setting' process and environmental conditions. Dyes usually have no effect on the weight or hand of the textile.

**Ease**

/ In fitting and styling, ease refers to a garment's amount of extra 'room' that allows for comfort, movement or enhances appearance.

In sewing, when two pieces of textiles or trims of varying lengths are joined together, with the longer piece 'held in' against the shorter piece with relative smoothness and free from any obvious rushing, pleating or wrinkling along the seam. This type of ease helps shape the garment without the use of extraneous darts or seams as compared to tailoring.

**Edge Stitch**

/ A type of edge finishing where a line is stitched parallel just near the folded edge.

**Electronic Jacquard**

/ A form of computerized jacquard that uses circular or flat knitting machines to create various fancy patterns and stitches. The computer interface makes it easy for the designer to quickly draft and plan the fashioning or shaping of the garment panels.

**Ex-Works (Ex-factory)**

/ A type of shipping arrangement where the seller only bears minimum responsibility, while the buyer takes ownership of the commodity right after it is exported from the seller's facility. In an Ex-works transaction, a seller is only responsible for making the goods available for pick-up at their warehouse or facility and delivering them to the buyer's freight forwarder. Henceforth, the buyer needs to handle all other arrangements, such as insurance, export clearance and other documentation.

**Facing**

/ Panels or sections of a piece of extra fabric, always using the outer fabric, that is sewn-in inwards facing the body. Used for creating a clean-finished edge, opening or for concealing the interior construction of a garment.

**Fiber Content**

/ The percentage breakdown of the fiber contents of a woven or knitted garment's primary, outer or decorative fabric. This information must be included in the garment label together with the care instructions and country of origin, as mandated by the U.S. government.

**Filament Yarn**

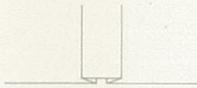
/ A lengthy and potentially continuous fiber yarn created through 'extrusion', a process where plastic elements, such as polyester, are pushed through small spinnerets and form filaments as they solidify. While filament yarns are usually

- man-made, they can also exist in natural forms, such as silk.
- Finish (Fabric)** / Any special or customer-specified finishing or treatment of a fabric, which may involve improving the color, look or feel of the fabric.
- Finisher** / A convertor who 'finishes' a textile pre-garment production in one or more of the following ways: Brushing, napping, bleaching, dyeing, printing, glazing, water repellence, etc.
- Fit Model** / A person whose body measurements represent the standard or sample size or a garment style for development or production purposes. Fashion designers or manufacturers test their garments on a fit model prior to production, to examine the style, fit, drape, movement and comfort of the design on a real person.
- Flammability** / A material's ease of kindling and ability to support combustion. Fabric flammability is a particularly important issue in the manufacturing of children's sleepwear and special uniforms.
- Flat Knitting** / A type of knitting which produces a flat knitted 'fabric' on a single or double-needle bed machine, where a 'carriage' feeds the yarns back and forth across the knitting bed, forming loop-like stitches needle by needle. This technique is considerably slower than circular knitting, but offers more versatility and is often able to fully fashion a garment.
- Flats** / Design sketches created for use as working diagrams during product development. Technical and free from artistic flourishes, flats include all the detailed information required, including the front and back views of the garment laid flat on a table, special details and treatments, measurements with indication of detail placements, exact proportions, etc.
- Fleece** / A fabric of natural or man-made fibers, either warp or weft knitted, that is given a plush finish by brushing the loops or floats on one or both surfaces. Its unbrushed form is called French terry.
- 
- Structure of French terry
- Float Jacquard** / A type of fancy knit technique in which yarns are carried on the back of the fabric (floats) and subsequently knitted onto the surface to create a multi-colored pattern or design. It is less firm and bulky as double jacquard.
- Floor Ready** / Merchandise that has been received, tagged and is ready to be placed on the selling floor.
- Fly closure** / One-piece fly: The fly body is extended to form the fly facing, with the extension folded back to create the fly or lapped zipper application. The fly extension is single-ply and usually finished with an over edge seam.  
Two-piece fly: The fly or lapped zipper application is formed by a separate piece of fabric. The fly extension is double-ply and folded at the outside edge.
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- French fly: Also known as 'waist stay', a French fly is an extension applied to the right side of the fly stand, allowing for a concealed extra button closure.
- Folder (Operation)** / A sewing machine attachment that folds multiple layers of fabric and garment parts together, saving the need for the machine operator to manually do so during the assembly stage. Its functions include: binding, hemming, flat-felling seams, and attaching plackets, etc.
- Freight Chargeback** / A freight deduction, fine or penalty levied by the customer against the supplier. There are two types of freight chargebacks:  
Agreement: The supplier or vendor consents to sharing the freight charge.  
Violation: The supplier or vendor bears the full freight charges as well as an extra handling fee. This usually occurs due to violation of the Purchase Order Contract, or the agreed-upon carrier or routing selection.
- Fully Fashioned** / A technical term in knitting which indicates that each individual section of the garment is 'fashioned' or shaped to its finished dimensions for every size within the range of the design. These sections are then usually looped or linked together to create the finished product. Fully-fashioned garments are more cost-efficient because it wastes less yarn.
- Fashioning Marks** / In knitting, fashioning marks are usually found near the seams in fully-fashioned garments as an indication to where each section was knitted to shape. See: **Fully-fashioned**.
- Garment Twist** / Also known as torquing or

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<b>Garment Twist (cont'd)</b>	spiralling, a garment twist is when the woven or knitted fabric panels of a garment are rotated or twisted, usually laterally, due to latent stress released during laundering.	
<b>Garment Wash</b>	/ The washing of dyed garments to tone down the color, create a worn, weathered, distressed look or seam abrasion, or to soften the fabric.	
<b>Gauge</b>	/ A technical term in knitting which indicates the number of needles (wales) per inch on the knitting machine bed (or needles per 1-1/2" for some full fashioned knitting equipment), hence the fineness of the resulting fabric. The higher the gauge number, i.e. the more needles per inch, the finer the knitted fabric.	
<b>Grade Rule</b>	/ A standardized amount of increases or decreases to the measurements of the garment patterns within the designated size range. This usually reflects the standard 'fit' of their customers, and can be set up or revised by the designer, contractor or the retailer.	
<b>Grading</b>	/ A crucial step in garment production, grading refers to the proportional increase or decrease of the dimensions of all the sections of a model garment, sample or proto, based on the full intended production size range for a certain style. This step ensures proper fit across all sizes in the range, and helps determine the cutting layout (marker) for the textile, trims and other components.	
<b>Grain</b>	/ A textile term used in woven textiles to describe the direction in which woven threads run. Straight grain: Threads running along the length of the textile, parallel to the selvage. Cross grain: Threads running across the width of the textile. Bias grain: The 45 degree angle diagonal thread line across the textile. Off grain: When the straight grain and cross grain are not at straight angles with each other or as indicated for the pattern piece.	
<b>Greige (Grey) Goods</b>	/ Fabrics from a mill or knitter that are fresh off the loom, raw and unfinished. Greige goods must be followed up with a series of finishing procedures, such as bleaching, dyeing, printing, brushing, etc.	
<b>Hand (Handfeel)</b>	/ The characteristics of textile perceived by touch, such as soft, stiff, harsh and bouncy. It plays an important part when deciding the choice of fabric for creative design or production based on the specified quality.	
<b>Inspection Certificate</b>	/ A document issued by independent testing organizations as an	
		<b>Interfacing</b>
		authoritative quality guarantee, verifying that the merchandise is in good condition and meets relevant standards before it is shipped. / Commonly used on collars, cuffs, front plackets, hems and lapels, it is a woven or nonwoven layer placed between the upper and lower fabrics to maintain the shape, durability and wrinkle-resistance for the garment. Fusible interfacings are attached to a garment piece by ironing at a high temperature in order to temporarily melt the heat-sensitive adhesive for an affixable property. It is relatively more long-lasting unless the clothing is subjected to the same level of heat. Sew-in Interfacings are attached to a garment piece by stitching so that it 'floats' between the upper and lower fabrics for enhanced maneuverability. It does not change the appearance of fabrics, yet it adds support to the clothing.
		<b>Interlining</b>
		/ A material applied between the upper and lower fabrics in designated areas of a garment to provide additional weight and warmth for enhanced functionality.
		<b>Jobber</b>
		/ A textile supplier that sells within the fashion industry rather than to the public, who buys overruns, mill ends and unused sample yardage from manufacturers, mills and importers, then resells them to wholesalers, small-scale garment manufacturers and retailers.
		<b>Knit-down</b>
		/ A sample piece of knitted fabric often used for approval purposes before the production of a garment. It is used as a demonstration of certain color, yarn, stitch or pattern combinations.
		<b>Lab Dips</b>
		/ Pieces of sample fabrics colored by dyers, spinners or printers to present to a customer for approval of the coloration. Accepted ones will serve as the standard of production, whereas rejected ones will require comments for correction.
		<b>Lead Time</b>
		/ The amount of time required for the completion of a product development, including design, prototype, approval, counter sample and production.
		<b>Ligne (Buttons)</b>
		/ A measurement unit of length used by watch- and button-makers before the metric system was adopted. 20 lignes is equal to 0.5 inches and 40 lignes is equal to 1 inch.
		<b>Line Plan</b>
		/ Set by and for the design team, it is a schedule that provides a framework of product development for the coming seasonal collection. Merchandising teams will outline styles and SKU count of the collection based on categories,

	which is usually based on the sales analysis from previous seasons.		
<b>Lining</b>	/ A layer of fabric attached to the skin-facing side of a garment in order to conceal the interior construction such as seams and stitches. Types of lining include full, half, quarter and no lining.	<b>Notch</b>	the fabric choice.
<b>Linking or Looping</b>	/ Performed by skilled machine operators, it is a labor-intensive assembly technique mostly used in high-end knit apparel. The process joins pieces of flat knits together by applying a flexible, elastic chain-stitch seam to which the two fabrics meet.		<b>Notches on sleeve cap</b>
<b>Links-Links</b>	/ A knitting technique in which purl stitches and regular stitches are applied on the same wale to create a thick rib effect for ample stretch quality.	<b>Package (Production)</b>	/ The cut-in markings on paper patterns or slopers that locate the positions of various sewing constructions such as seam allowances, gathering, cutting, etc.
<b>Manufacturer ID</b>	/ A multi-digit code that represents a vendor that is used in the Universal Product Code (UPC) system.	<b>Packing List</b>	/ A tying purchase agreed by a contractor on behalf of the customer, where it buys all piece goods and trims in addition to CMT (Cut, Make and Trim) services.
<b>Marker</b>	/ A comprehensive diagram indicating the placement of all graded paper patterns whose shapes will be cut out in a piece of fabric for the most economical use of textiles. Sketched manually or with the aid of a computer, it must take all variables into consideration including matching prints, patterns and grain lines.	<b>Piece (of Fabric)</b>	/ A list of products and their quantities that will be packed for shipping.
<b>Matching (Match Points)</b>	/ Commonly used at the front of armscye, across the placket and along the seam, it is a technique of making various repetitive elements such as prints, stripes, plaids or embellishments transition seamlessly across two pieces of fabrics for a balanced visual of the pattern. It requires additional cost and time, and hence is considered a sign of high quality.	<b>Plating</b>	/ A bolt or roll of cloth whose length is determined by actual manufacturing or production processes.
<b>Migration</b>	/ An irregular transfer or distribution of dyes, pigments or any other materials from one part of the fabric to another in the form of bleeding, crocking, etc.	<b>Pleat</b>	/ A knitting process where two different types of yarns are simultaneously used - one on the upper side and one on the lower side. Aesthetically it gives a heathered effect. It also adds practicality to the fabric if a stretch or high-performance yarn is knitted on the back of a fabric for enhanced elastic, absorbent, moisture-wicking or anti-rash qualities.
<b>Mill</b>	/ A supplier specializing in spinning yarn or weaving textiles. A vertical mill streamlines its services from spinning to finishing of the fabric and subsequently selling it to the market.		<b>Box pleat</b>
<b>Minimums</b>	/ The lowest limit of order set by a vendor or mill when selling products. It is usually measured in fabric yardage, poundage or by pieces.	<b>Pocketing</b>	/ A fold of fabrics performed on garments for expending or styling purposes. Types of pleats include forward, reverse, knife, box, inverted, accordion, etc.
<b>Muslin (Toile)</b>	/ An inexpensive unbleached cotton fabric that is used to create the prototype of a design in order to test the fit and proportion. It can be written with construction remarks. After the initial prototype is formed, it is often taken apart for sampling, patternmaking, and approximating	<b>Pre-Production</b>	/ A fabric used in the making of pouches of a garment. It is usually different from the shell fabric, and is in general sturdier and more lightweight.
		<b>Pre-Production (P/P) Sample</b>	/ Pre-production processes held before bulk production. It constructs garments using the actual production patterns, sewing line and machinery. After that, it will immediately be followed by bulk production.
		<b>Pressing</b>	/ After the approval of the sales sample, another batch of samples will be produced. They must be made of actual fabrics and produced by the factory who will be in charge of bulk production. When they are approved, bulk production will commence.
			/ One of the manufacturing

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<b>Pressing (cont'd)</b>	processes, it is performed by ways of heating or steaming the fabric with irons or machines, so as to enhance the smoothness, structure or create permanent creases on a garment. <b>Hard press:</b> Creates permanent creases and long-lasting shapes. <b>Soft press:</b> Removes wrinkles of the fabric for a smooth appearance but it does not create permanent creases.	<b>Seam Slippage</b>	bursting or fraying. / Caused by stress or straining, it is found when the yarn shifts or slips out of stitching, causing an open seam or fabric distortion.
<b>Prototype (Proto)</b>	/ An initial sample of a given design. It can be made of muslin or any available fabric as it is solely for assessment.	<b>Seconds</b>	/ Fabrics that contain excessive defects, damage or irregularities and thus are not of the highest quality. Considered as flawed, they cannot be marketed at full prices.
<b>Punch (Mark)</b>	/ A small hole on a paper pattern that will transfer various sewing constructions marked on the paper pattern to the fabric.	<b>Selvage</b>	/ A self-finished edge that runs along the warp threads. It keeps the woven fabric from ravelling and thus making it more durable. Since the fabric is stabilized by the process, it then can undergo further finishing processes.
<b>Racking</b>	/ A basic function of a knitting machine where stitches are transferred from one needle to another to form a zigzag pattern. It is also one of the steps of making cable stitches on a double bed machine.	<b>Shading</b>	/ A gradual change in hue, chroma or lightness in vertical or horizontal direction. It is considered a defect if unintended, but it adds aesthetic values to a design if it is done on purpose and is called <i>ombré</i> or <i>dégradé</i> .
<b>Rib Knit (Ribbing)</b>	/ Usually seen on the placket or hem of a garment, it is an elastic textile achieved by alternating jersey and purl stitches that create a vertical ribbed effect.	<b>Shrinkage</b>	/ A decrease in length or width of a fabric or a garment achieved by contacting with water, heat, steam or wet-cleaning.
<b>Sales Sample</b>	/ The exact replica of a retail product used by the salesperson for wholesaling purpose.	<b>Single Needle (Construction)</b>	/ A superior stitching technique that is normally used in high-end menswear garments. It sews a row of stitches along both the upper and bottom side of a seam, with only the upper one being visible. On the contrary, Double Needle Construction sews two parallel rows of stitches and is considered less durable.
<b>Sample Cut (Yardage)</b>	/ Yardage of fabric purchased from a mill for sales and product development. Mills will only manufacture fabrics in limited colors. If a customized colorway is requested, a surcharge is required for producing sample fabrics. Alternatively, a customer can take a portion of fabrics from bulk production and use it as sample cuts.	<b>Size Run</b>	/ Samples of garments in all sizes made prior to mass production in order to ensure that all sizes are accurate.
<b>Sample Loom</b>	/ A sample yardage given by the mill for customer's approval or comments. A surcharge is usually required.	<b>Skew</b>	/ Considered an improper finishing, it refers to the displacement of knitted or woven courses that forms a line perpendicular to the edge of a fabric.
<b>Sample Room</b>	/ Set alongside with a design studio or in a contractor's property, it is a place where protos, counter and sales samples are made.	<b>Sloper</b>	/ Also known as a block pattern, it is a thick piece of paper or cardboard used to sculpt the basic design of a garment whose fit and appearance have already been approved. It is used for further development of more complex styles or paper patterns.
<b>Sample</b>	/ A product that is not for resale. Rather it serves as a selling tool (called sales sample), a guide for development (called counter samples) or a standard for production (called top-of-production).	<b>Spec. Sheet (Specs)</b>	/ A document that lists the complete specifications of a garment of an accessory made before production. It includes a brief illustration, measurement chart or any relevant information for the manufacturer or Quality Control.
<b>Sanding / Sand Wash</b>	/ An intentional abrasion performed on a garment for aesthetic purpose. Initially it was achieved with a high-pressure sand blaster, now it is done by washing in chemicals, or gritting with a dry brush.	<b>Special Finish</b>	/ Additional treatments performed on a textile for certain functional or aesthetic purposes, such as water-, stain- and wrinkle-resistance, odor-blocking, UV protection etc.
<b>Seam Allowance</b>	/ It sets the distance between the stitching and the edge of a fabric. It prevents the seam from slipping,	<b>Stain</b>	/ A spot of dirt or discoloration on a

fabric or any base material that is difficult to remove by laundering or dry cleaning.  
**Standard (Color)** / They are submitted to a mill as the standard for production. The mill will then provide lab dips or strike-offs for approval or comments before mass production or further adjustments.  
**Stay** / A strip of material applied on the interior of a garment in order to prevent stretching or distortion. It is a stabilization treatment to maintain the shape or detail of the construction.  
**Stitches per Inch** / The optimal density of stitches in garment construction. It varies depending on the component, fabric, design or durability of a garment.  
**Stock/Bulk** / Fabrics that are manufactured strictly for mass production as opposed to sample production.  
**Store Pack** / A package that will be shipped to the retailer. It is packed by style, color or size.  
**Tearing Strength** / The force required to continue ripping a previously torn fabric.  
**Tech Package** / Also known as Spec Package, it is a compilation of technical specifications sent to a factory for every new product. It includes Sketch Sheet, Specification Measurement Sheet, Fabric and Trim Sheet, etc.  
**Time and Action Calendar** / A seasonal calendar set to keep design, merchandizing, production and sales divisions at their highest efficiency so that they will be in sync with one another throughout production and retail processes.  
**Top of Production (Top of Line)** / The first batch of products completed by production line for quality check purpose. After approval, it will be immediately followed by bulk production.  
**Topstitch Gauge** / It measures the distance between two parallel rows of topstitching, which is called double-needle topstitch.  
**Topstitching** / Usually seen on the outer edge of a garment, it is a row of stitching shown on the shell fabric for functional, structural or aesthetic purposes. It can attach a garment section to another, and keep garment pieces in place.  
**Transfer** / A basic function of a double bed knitting machine where stitches are transferred from the front to the back bed of needles or vice versa during the knitting process.  
**Trim (Trimming)** / Ornamental details that are applied to a garment for aesthetic purpose. Usually made by a manufacturer or supplier, they can be a wide range of materials including ribbons, patches, lace, braids or piping.

**Tuck**

/ A knitting technique that a needle holds more than one loop at a time. It causes the stitch to pull up the surrounding stitches in order to elongate

the wale. It is used to achieve certain visual effects or lengthwise elasticity.

**Underlining**

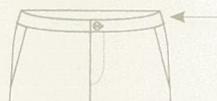
/ A complete layer or individual panels attached to the back of a shell fabric to lend a garment certain hand or visual effects such as structure, weight or opaqueness.

**Under-stitching**

/ It effectively prevents the lining or facing from peeking out from the inside of a garment. It is a row of stitching along the inside edge of the facing that allows the shell fabric to roll over and conceal the seam edge.

**Union Dye**

/ Union dye is a technique in which all the different fibers in a textile are dyed the same color by using appropriate dye chemicals.

**Waistband**

/ A straight waistband is a flat trim at the waist whose pattern edges are cut on and parallel on the straight grain of fabrics.

A contour waistband was cut differently at the top edge and side seam to ensure that the waistband sits close to the body's curve.

A curtain waistband is supported by a bias strip on the interior of the shell fabric that hangs below the waistline seam. It is commonly used for tailored trousers and skirts.

**Washdown**

/ A washing, chemical, sourcing or mechanical treatment performed on a fabric or a garment to obtain a worn-in or laundered look.

**Wicking**

/ A fiber's or a fabric's ability to transport moisture away from the skin in order to enhance evaporation and thus comfort.

**Yarn Count**

/ A numerical value (usually fraction) which shows the fineness of a yarn and is determined by the relationship between weight and length. New Metric (NM) is a popular count system amongst all, which indicates the diameter of a yarn based on a fixed length.

**Yield**

/ A means of textile measurement, it represents the length of a fabric or weight of a knitted fabric. It counts as a cost factor in the manufacturing process.

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# ACKNOWLEDGEMENTS

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*LILY LAM*

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*CHARLENE WONG*

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*CAROL TAO*

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*EILEEN CHAN*

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*RONNIE TUNG*

*ANNIE CHEUNG*

*MIKE MAK*

*MIKE CHAN*

*JESSICA YEUNG*

**FASHIONARY**

# FASHIONPEDIA

THE VISUAL DICTIONARY  
OF FASHION DESIGN

FASHIONARY