

FABRIC & TECHNICAL INFORMATION



To be able to withstand the extreme environments for which these garments are designed, HPX uses GORE-TEX® Pro Shell with Ocean Technology® and GORE™ Micro Grid Backer Technology, a 3-layer fabric offering the most durable, waterproof and highly breathable fabric available to the marine market. Stretch GORE-TEX® fabric panels are used to allow a greater range of movement.



MPX garments are fabricated from 3-layer GORE-TEX® Pro Shell construction with Coastal Technology membrane. MPX Race also uses Stretch GORE-TEX® fabric panels to allow more freedom of movement.



The latest addition to the MUSTO/ GORE-TEX® family, the LPX range takes a leap forward using a 3-layer GORE-TEX® Paclite® Shell a technologically advanced breathable and lightweight yet durable waterproof fabric construction.



The MUSTO BR2 fabric is a 2-layer microporous membrane fabric with a polyester mesh lining. The fabric breathes by allowing moisture from the warm high humidity zone around the body to escape through microscopic holes which are too small for water to penetrate. The fabric is also treated with a DWR finish (durable water repellency) forcing water to bead and run off.



MUSTO BR1 fabrics have a durable hydrophilic coating which 'breathes' by absorbing moisture from the warm high humidity zone and chemically driving it away from the body.



GORE-TEX® Pro Shell
GORE-TEX® Soft Shell
GORE-TEX® Paclite® Shell
GORE-TEX® Performance Shell

The GORE-TEX® membrane is the heart of all GORE-TEX® products. It is completely wind and waterproof, but permeable for water vapor. The result: Water from the outside will never penetrate, cold winds cannot pass through and perspiration can escape easily. This is why your body always stays dry and comfortable with GORE-TEX® products.



WINDSTOPPER®
WINDSTOPPER® Soft Shell
WINDSTOPPER® Active Shell

The WINDSTOPPER™ membrane is an ultra thin protective layer which is laminated to a lightweight textile layer, making it totally windproof. It is made of the versatile polymer PTFE (polytetrafluorethylene) which is expanded to create a microporous structure. These micropores are 900 times larger than water vapor molecules, allowing perspiration to pass through unhindered. This means that the WINDSTOPPER™ membrane adds total windproofness to any textile without perceptibly restricting its initial breathability or weight.

GORE-TEX®, GORE®, Paclite®, WINDSTOPPER® and designs are trademarks of W. L. Gore & Associates.



X-STATIC®
X-Static, a 99.9% pure silver fibre incorporated within a high wicking, quick drying fabric to offer safe, natural and effective antimicrobial benefits and thermo regulation.



Schoeller® -keprotec®
Hard wearing fabric using Kevlar®, an aramide fibre which is, gram for gram, five times stronger than steel.

POLARTEC®
POLARTEC® CLASSIC™
POLARTEC® MICROFLEECE
POLARTEC® ECO-ENGINEERING
A family of soft, easy care & pill resistant breathable fabrics which provide excellent warmth to weight ratios through the use of low absorbency, high loft, polyester fibres. These light yet durable fibres ensure that warm insulating air is held next to the body. All the fabrics dry quickly and the POLARTEC® CLASSIC™ has the addition of a DWR finish.

POLARTEC® is a registered trademark for fabrics made only by Malden Mills.



d30®
d30 containing intelligent molecules is flexible and moves with the wearer yet locks together on impact- absorbing energy & providing superior protection. d30 outperforms conventional soft foams of the same thickness on impact by up to six times.

NILIT® BODYFRESH
Smooth, comfortable, high performance antibacterial yarn which provides increased, freshness through effective antibacterial action using silver ion technology.

SIZING CHART

Women's

Women		
Women	To Fit Waist	To Fit Bust
Extra Small (XS) 8	24" (61cm)	31" (78.5cm)
Small (S) 10	26" (66cm)	33" (84cm)
Medium (M) 12	28" (71cm)	35" (89cm)
Large (L) 14	30" (76cm)	37" (94cm)
Extra Large (XL) 16	32" (81cm)	39" (99cm)
Extra Extra Large (XXL) 18	34" (86cm)	41" (104cm)

Men's

Trousers		
Size & Waist	Regular Leg Length	Long Leg Length
30" (76cm)	31.5" (80cm)	33" (84cm)
32" (81cm)	31.5" (80cm)	33" (84cm)
34" (86cm)	31.5" (80cm)	33" (84cm)
36" (91cm)	31.5" (80cm)	33" (84cm)
38" (96cm)	31.5" (80cm)	33" (84cm)
40" (101cm)	31.5" (80cm)	33" (84cm)
42" (106cm)	31.5" (80cm)	33" (84cm)
44" (111cm)	31.5" (80cm)	33" (84cm)

Men's/Unisex

Jackets & Tops		
Men/Unisex	To Fit Height	To Fit Chest
XS	5'2"-5'4" (157-162cm)	34"-36" (86-91cm)
S	5'5"-5'7" (165-170cm)	36"-38" (91-97cm)
M	5'8"-5'10" (173-178cm)	38"-40" (97-102cm)
L	5'11"-6'1" (180-185cm)	41"-43" (104-109cm)
XL	6'2"-6'4" (188-193cm)	44"-46" (112-117cm)
XXL	6'5"-6'7" (195-200cm)	47"-49" (119-124cm)
XXXL	6'5"-6'7" (195-200cm)	50"-52" (127-132cm)

How to Measure

Chest

Place tape under arm and measure around the fullest part of your chest.

Waist

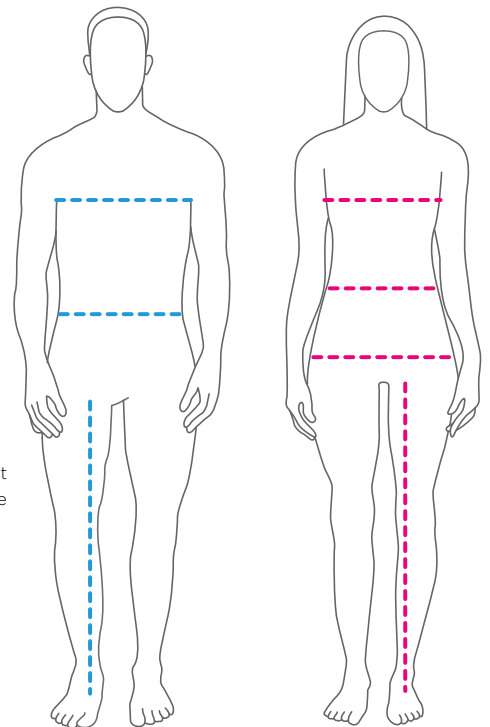
Measure around your natural waistline.

Hips

Measure around the fullest part of your bottom at the top of your leg.

Inside Leg

Measure from the top of the inside leg at the crotch to the bottom of the ankle bone.



Socks	
Size	Regular Leg
Small (S)	4-7
Medium (M)	7-10
Large (L)	10-13

Junior		
Size	Age	To Fit Chest
JS	6-8	28"-30"
JM	9-11	31"-33"
JL	12-13	34"-36"