

## Order form body measurement tables standard

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Order following body measurement tables in PDF format and associated avatars as an option.

Each PDF file contains an overview of associated measurements, designation of primary and secondary measurements, body measurement tables for full body, above the waist, below the waist and a conversion table for different body lengths (see annex 1 and 2).

The corresponding sets of avatars (3D models in OBJ format) can be ordered only as an option with a body measurement table. Each set of avatars contains 3D models in A-or T-pose (see annex 3) for each size in the corresponding body measurement tables for full body and below the waist. The avatars are a realistic 360 ° view of the body and can be viewed with free software such as '[GLC player](#)' and can be used as a virtual mannequin in 3D cad software such as CLO3D, Browzwear, Optitex, Gerber, Lectra, Vidya or Marvelous Designer.

All prices are VAT-exclusive.

Language:  Dutch  English

Gender	Age category	Measurement table	Set avatars A-pose	Set avatars T-pose	Price
Female	14 – 17 years	<input type="checkbox"/> € 500	<input type="checkbox"/> € 100	<input type="checkbox"/> € 100	
Female	18 – 25 years	<input type="checkbox"/> € 500	<input type="checkbox"/> € 100	<input type="checkbox"/> € 100	
Female	26 – 50 years	<input type="checkbox"/> € 500	<input type="checkbox"/> € 100	<input type="checkbox"/> € 100	
Female	51 – 70 years	<input type="checkbox"/> € 500	<input type="checkbox"/> € 100	<input type="checkbox"/> € 100	
Male	18 – 25 years	<input type="checkbox"/> € 500	<input type="checkbox"/> € 100	<input type="checkbox"/> € 100	
Male	26 – 50 years	<input type="checkbox"/> € 500	<input type="checkbox"/> € 100	<input type="checkbox"/> € 100	
Male	51 – 70 years	<input type="checkbox"/> € 500	<input type="checkbox"/> € 100	<input type="checkbox"/> € 100	
<b>Total</b>					

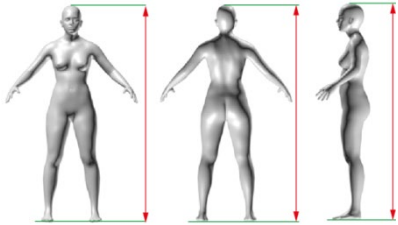
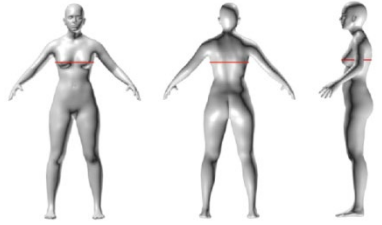
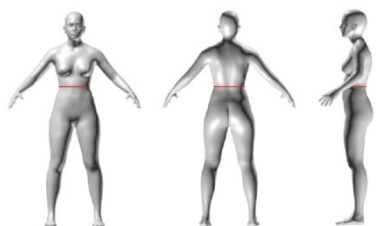
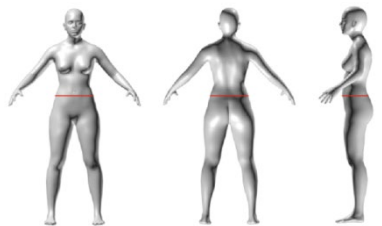
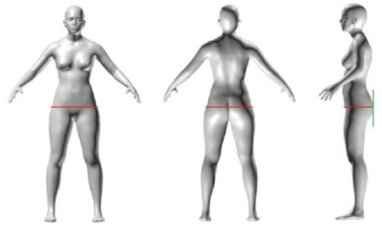
Date

Signature

It is also possible to order 'custom made' measurement tables. Send a mail to [info@smartfit.be](mailto:info@smartfit.be) for the conditions.

## Annex 1: Example of associated measurements

PER TABLE (F = FEMALE; M = MALE; C = CHILDREN; \*1 PRIMARY MEASUREMENT; \*2 SECONDARY MEASUREMENT; \*3 TERTIARY MEASUREMENT) ACCORDING TO ISO 8559:1989 + EN 13402-1:2001

Measure	Description	Illustration	In table 'garments for...'		
			Full body	Upper body	Lower body
<b>Body height</b> ISO 8559 2.2.1 EN 13402-1 3.12	The vertical distance between the crown of the head and the ground, with the subject standing up right without shoes and the feet together.  <i>(standing up right, stadiometer)</i>		F *3 M *3 C *1	F M C	F M C
<b>Bust girth</b> ISO 8559 2.1.7 + 2.1.8 EN 13402-1 3.7	The maximum horizontal girth measured over the shoulder blades (scapulae), under the armpits (axillae), and across the nipples (breast points for females wearing bras when necessary) or the greatest projection of the front of the body.  <i>(standing up right, 3D bodyscanner)</i>		F *1 M *1 C *2	F *1 M *1 C *1	
<b>Waist girth</b> ISO 8559 2.1.11 EN 13402-1 3.10	The girth of the natural waistline between the top of the hip bones (iliac crests) and the lower ribs.  <i>(standing up right, 3D bodyscanner)</i>		F M C	F *2 M C *2	F *2 M *1 C *3
<b>Low hip girth</b> ISO 8559 n/a EN 13402-1 n/a	Horizontal girth of the torso, measured in half between the waist line and hip line.  <i>(standing up right, 3D bodyscanner)</i>		F M C	F M C	F M C
<b>Hip girth</b> ISO 8559 2.1.12 EN 13402-1 3.11	The horizontal girth measured around the hip level of maximum circumference.  <i>(standing up right, 3D bodyscanner)</i>		F *2 M *2 C *3	F M C	F *1 M *2 C *1

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## Annex 2: example of body measurement tables

FEMALE 26 – 50 YEARS – FULL BODY (AVATAR F-26-50-F)

SIZE	34	36	38	40	42	44	46	48	50
<b>BUST GIRTH</b>	<b>80</b>	<b>84</b>	<b>88</b>	<b>92</b>	<b>96</b>	<b>100</b>	<b>104</b>	<b>110</b>	<b>116</b>
<b>Range</b>	<b>78 - 82</b>	<b>82 - 86</b>	<b>86 - 90</b>	<b>90 - 94</b>	<b>94 - 98</b>	<b>98 - 102</b>	<b>102 - 107</b>	<b>107 - 113</b>	<b>113 - 119</b>
Body height								166	
Bust girth		84							
Waist girth					77				
High hip girth	68,5								
Hip girth			95,5						
Waist height							105,9		
Cervical to bust									82,5
Under bust girth								93	
Bust width	16								
Back width				34					
Front width						37			
Back length to waist		37,4							
Neck girth					34,5				
Neck base girth			36,5						
Shoulder length							14,7		
Shoulder drop		5,2							
Arm length	54,6								
Upper arm girth								35	
Wrist girth				14,9					
Inside leg length									77,8
Thigh girth			57						
Knee girth						40,5			
Calf girth		35							
Ankle girth					23,4				
Knee height							46,4		
Waist height, sitting				24					

Length measurements are based on a average body height of 166 cm. For other body heights use the table 'length measurements by body height'.

Length measures are: body height, waist height, cervical to bust, back length to waist, arm length, inside leg length, knee height.

FEMALE 26 – 50 YEARS – LENGTH MEASUREMENTS BY BODY HEIGHT

BODY HEIGHT	152	159	165	170	176	182
<b>Range</b>	<b>149 – 155</b>	<b>155 – 161</b>	<b>161 – 167</b>	<b>167 – 173</b>	<b>173 – 179</b>	<b>179 – 185</b>
Waist height						
Cervical to bust						
Back length to waist						
Arm length						
Inside leg length						
Knee height						

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FEMALE 26 – 50 YEARS – ABOVE WAIST (AVATAR F-26-50-F)

SIZE	34	36	38	40	42	44	46	48	50
<b>BUST GIRTH</b>	<b>80</b>	<b>84</b>	<b>88</b>	<b>92</b>	<b>96</b>	<b>100</b>	<b>104</b>	<b>110</b>	<b>116</b>
<b>Range</b>	<b>78 - 82</b>	<b>82 - 86</b>	<b>86 - 90</b>	<b>90 - 94</b>	<b>94 - 98</b>	<b>98 - 102</b>	<b>102 - 107</b>	<b>107 - 113</b>	<b>113 - 119</b>
Body height								166	
Bust girth		84							
Waist girth					77				
High hip girth	68,5								
Hip girth			95,5						
Waist height							105,9		
Cervical to bust									82,5
Under bust girth								93	
Bust width	16								
Back width				34					
Front width						37			
Back length to waist		37,4							
Neck girth					34,5				
Neck base girth			36,5						
Shoulder length							14,7		
Shoulder drop		5,2							
Arm length	54,6								
Upper arm girth								35	
Wrist girth				14,9					

Length measurements are based on a average body height of 166 cm. For other body heights use the table 'length measurements by body height'.

Length measures are: body height, waist height, cervical to bust, back length to waist, arm length, inside leg length, knee height.

FEMALE 26 – 50 YEARS – BELOW WAIST (AVATAR F-26-50-U)







SIZE	34	36	38	40	42	44	46	48	50
<b>HIP GIRTH</b>	<b>86</b>	<b>90</b>	<b>94</b>	<b>98</b>	<b>102</b>	<b>106</b>	<b>110</b>	<b>114</b>	<b>119</b>
<b>Range</b>	<b>84 - 88</b>	<b>88 - 92</b>	<b>92 - 96</b>	<b>96 - 100</b>	<b>100 - 104</b>	<b>104 - 108</b>	<b>108 - 112</b>	<b>112 - 117</b>	<b>117 - 122</b>
Body height		166							
Hip girth						106			
Low hip girth					85				
Waist girth	66,5								
Waist height				105,9					
Inside leg length			77,8						
Thigh girth							63		
Knee girth									41,3
Calf girth		35,5							
Ankle girth								24	
Knee height						46,4			
Waist height, sitting					24,5				

Length measurements are based on a average body height of 166 cm. For other body heights use the table 'length measurements by body height'.

Length measures are: body height, waist height, cervical to bust, back length to waist, arm length, inside leg length, knee height.

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## Annex 3: example of avatars

A-pose			
T-pose			

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