

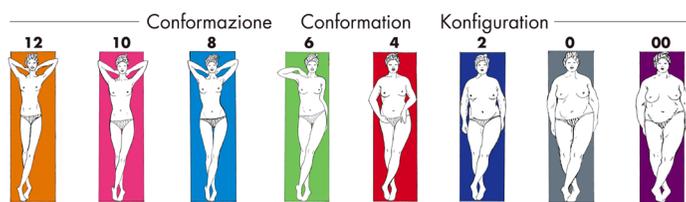
# formax<sup>®</sup> patented

Apparel fit mannequins

Woman

Almost **human!**

**Formax<sup>®</sup> WOMAN** apparel fit mannequins are built upon the Theory of Body Shapes<sup>®</sup> (copyright Cad Modelling Ergonomics) that identifies recurrent morphological families with correct body shapes and volumes of worldwide population. Acting as the proper and constant fit verification tools, they reproduce the most frequent woman body shapes in the world, from the slimmer till the more robust ones to guarantee the success of the clothing & ergonomic devices collections.



Copyright © S.I.A.E. n° 9401846



FORMAX<sup>®</sup> woman body shape 9



# formax<sup>®</sup> patented

Apparel fit mannequins



Thanks to the continuous monitoring of demographic changes by proprietary 3D body scanning technologies and surveys, **Formax<sup>®</sup> WOMAN** are constantly updated to match the fitting needs of a changing population. Special and tailored-made **Formax<sup>®</sup> wo-MAN** can be realized upon specific requests from customers.

Bodyshapes

10  
9  
8  
7  
6  
5  
4  
2  
0  
00

## Formax<sup>®</sup> prèmaman

Producers of prèmaman apparel can now benefit from an anthropometric fit mannequin that has the correct body shapes and volumes.

**Formax<sup>®</sup> WOMAN** maternity version in the body shapes 8 and 4 at 6th month pregnancy.



# formax<sup>®</sup> patented

Apparel fit mannequins

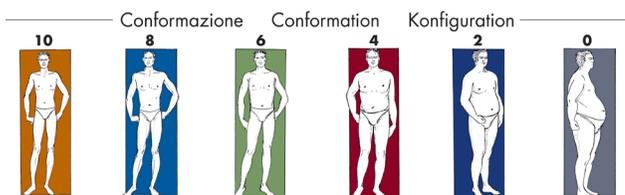
Man

Almost **human!**

**Formax<sup>®</sup> MAN** apparel fit mannequins are built upon the Theory of Body Shapes<sup>®</sup> (copyright Cad Modelling Ergonomics) that identifies recurrent morphological families with correct body shapes and volumes of worldwide population. Acting as the proper and constant fit verification tools, they reproduce the most frequent man body shapes in the world, from the slimmer till the more robust ones to guarantee the success of the clothing & ergonomic devices collections.



FORMAX<sup>®</sup> Man body shape 8



Copyright © S.I.A.E. n° 9401846

 MADE IN ITALY

 **CadModelling**  
ERGONOMICS s.r.l.

www.cadmodelling.it - info@cadmodelling.it  
Tel. +39 055 247 6261-2 Fax +39 055 234 6733  
Firenze, Italy



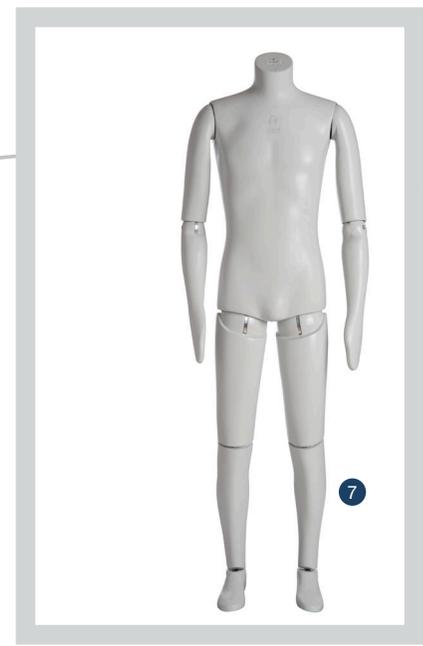
Thanks to the continuous monitoring of demographic changes by proprietary 3D body scanning technologies and surveys, **Formax<sup>®</sup> MAN** are constantly updated to match

the fitting needs of a changing population. Special and tailored-made **Formax<sup>®</sup> MAN** can be realized upon specific requests from customers.



Bodyshapes

- 10
- 8
- 7
- 6
- 4
- 2
- 0



## The body shape for slim fitting collections

FORMAX<sup>®</sup> MAN 7 is one of the most frequent normotypes in the young population and therefore an important

reference point for any pattern-maker, clothing and fashion designer.



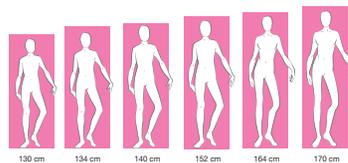
# Formax<sup>®</sup> Baby/Child/Teen

APPAREL FIT MANNEQUINS

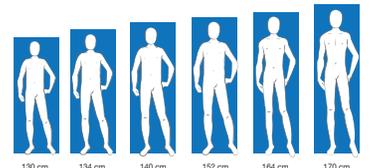
Formax<sup>®</sup> babies, kids and teenagers apparel fit mannequins, are based on real studies and international averages.



Children's heights and body shapes - unisex



Regular body shapes - girls



Regular body shapes - boys

Formax<sup>®</sup> dummies are the proper fit verification tool ensuring accurate fitting and quality control tests giving the opportunity of simulating body movements thanks to their articulated body parts. Formax<sup>®</sup> fit mannequins are available in 20 heights starting from 50 cm (babies) up to 164cm (teenagers).

Every Formax<sup>®</sup> dummy of the children range has an anatomical testing head and it's available with or without joints (to perform better test of slim fit garment, underwear and beachwear) in the hips. Custom version of any body shape is available upon request.



# Formax<sup>®</sup> Baby, Child, Teen

APPAREL FIT MANNEQUINS



FORMAX<sup>®</sup> Newborn 50 cm

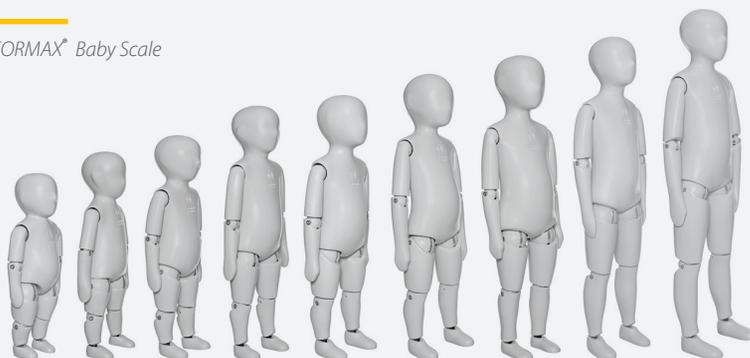
## ■ Baby Formax<sup>®</sup>

BABIES (from 50 to 86 cm) and KIDS (from 92 to 124 cm) Formax<sup>®</sup> mannequins are available in unisex body shapes,

while TEENAGERS (from 128 to 170 cm) Formax<sup>®</sup> mannequins are available in both male and female anatomies.

Every Formax<sup>®</sup> mannequin is equipped with **movable hanger** and two exchangeable working rods in order to have an ideal operating height, either as a free-standing way from above or the pending way from below.

FORMAX<sup>®</sup> Baby Scale



### Formax **Baby, child, teen**

Heights (cm)

50	55	62	68	74/76	80	86	92	98/100	104	110/112	116/118	124
----	----	----	----	-------	----	----	----	--------	-----	---------	---------	-----

## ■ Children Formax<sup>®</sup>

FORMAX<sup>®</sup> teenager male 130 cm



FORMAX<sup>®</sup> teenager male 140 cm



FORMAX<sup>®</sup> teenager female 152 cm, fixed hips



FORMAX<sup>®</sup> teenager male 164 cm



### Formax<sup>®</sup> **child, teen**

Heights (cm)

128/130	134 / plus size	140	152 / Plus size	164	170
---------	-----------------	-----	-----------------	-----	-----

custom version of any body shape is available upon request

# softformax<sup>®</sup>

Apparel Fit Mannequin for  
underwear and beachwear



- ✓ Real **international** average **body shape**
- ✓ Capability of pinning the whole body
- ✓ **Soft like a real body**. Real flesh sensation
- ✓ Constant check of collection prototype
- ✓ **Interchangeable cup** sizes

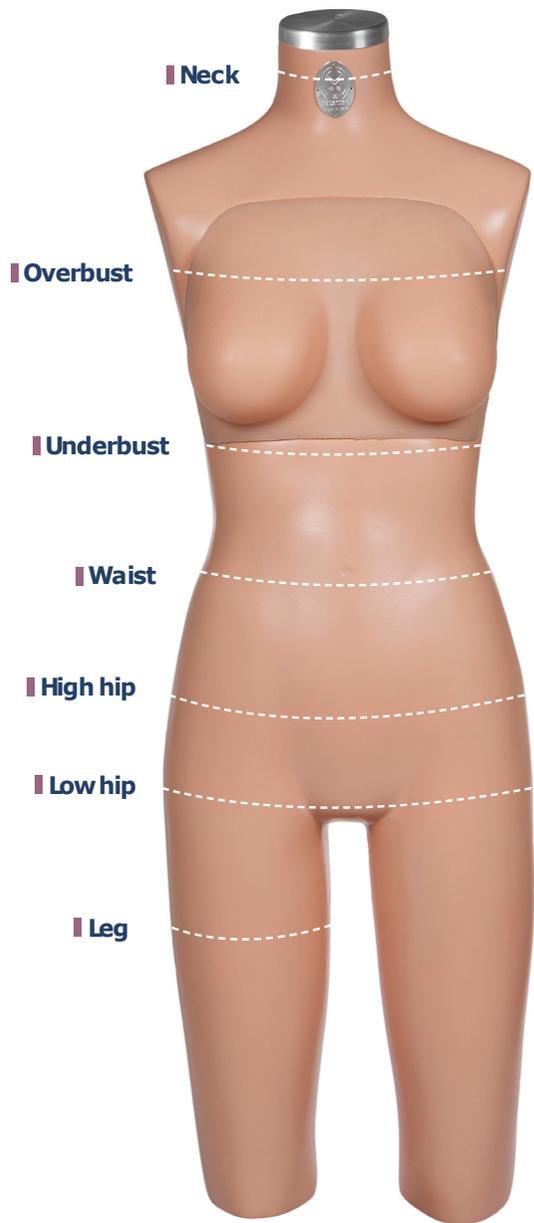


MADE IN ITALY



**CadModelling**  
**ERGONOMICS** s.r.l.

www.cadmodelling.it - info@cadmodelling.it  
Tel. +39 055 247 6261-2 Fax +39 055 234 6733  
Firenze, Italy



**Chest girth**



**Desktop Formax**

Cup sizes	S	M	L	XL	NEW XXL
 cm	93	95	97	99	101

Busto in versione da tavolo con 5 coppe intercambiabili | Desktop table top version with 5 different cups sizes

Busto in versione da tavolo con 5 coppe intercambiabili | Desktop table top version with 5 different cups sizes

BUSTO RIGIDO | HARD FIBERGLASS TORSO

Soft Formax D5	Neck	Overbust	Underbust	Waist	High hip	Low hip	Leg
 cm	36,5	91	80	75	95,5	102	60

## Formax woman

# D5

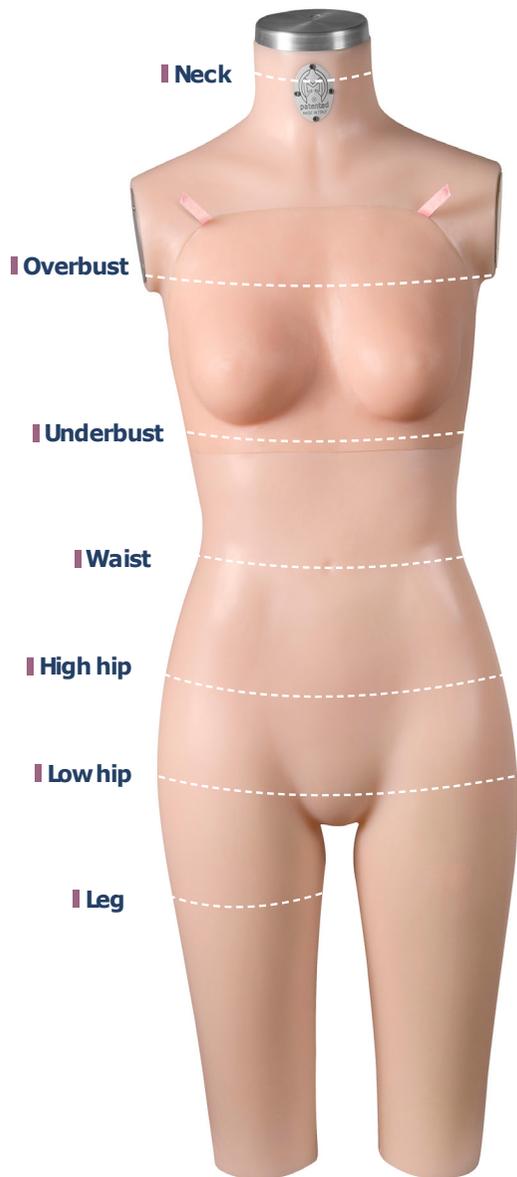
Real International body shape | Conformazione internazionale

Interchangeable silicon cup | Coppa in silicone intercambiabile

Constant check of prototype collection | Controllo dei prototipi e vestibilità

Hard fiberglass torso | busto in vetroresina

Provided with lycra suit for pinning and draping | Provvisto di tuta in lycra spillabile



**Chest girth**

**Desktop Formax**

Cup sizes	S	M	L	XL	NEW XXL
cm	89	91	93	95	97

Busto in versione da tavolo con 5 coppe intercambiabili | Desktop table top version with 5 different cups sizes

Busto in versione da tavolo con 5 coppe intercambiabili | Desktop table top version with 5 different cups sizes

BUSTO RIGIDO | HARD FIBERGLASS TORSO

Soft Formax D7	Neck	Overbust	Underbust	Waist	High hip	Low hip	Leg
cm	36	86	76	70	83,5	97	55

## Formax woman

# D7

Real International body shape | Conformazione internazionale

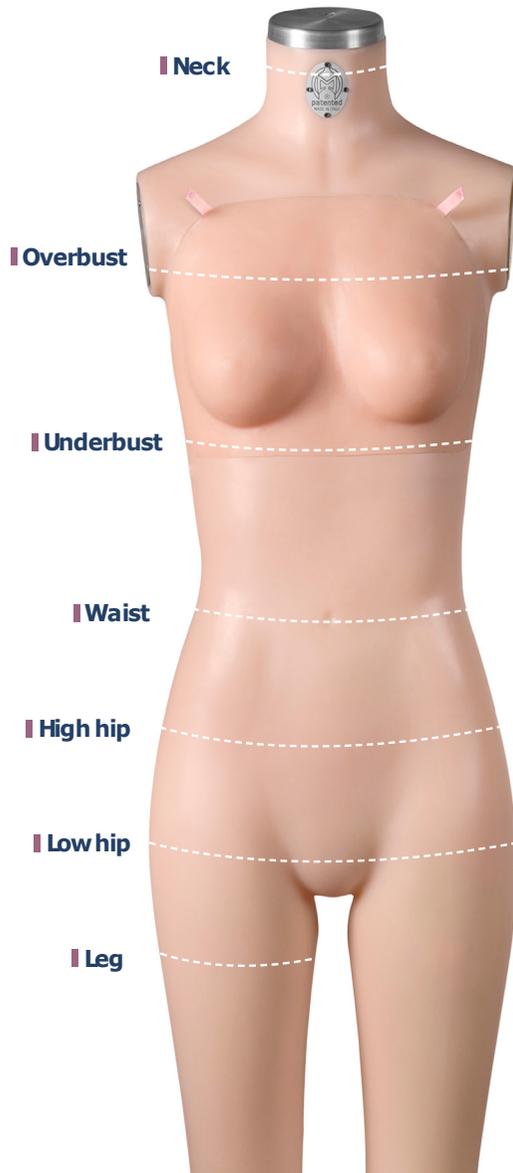
Interchangeable silicon cup | Coppa in silicone intercambiabile

Constant check of prototype collection | Controllo dei prototipi e vestibilità

Available in full silicon body (soft real flesh version) and hard fiberglass torso | disponibile sia in in silicone che in vetroresina

Capability of pinning the body | Possibilità di spillare sul busto

Provided with lycra suit for pinning and draping | Provisto di tuta in lycra spillabile



**Chest girth**



**Desktop Formax**

Cup sizes	S	M	L	XL	NEW XXL
 cm	86	89	91	93	95

Busto in versione da tavolo con 5 coppe intercambiabili | Desktop table top version with 5 different cups sizes

Busto in versione da tavolo con 5 coppe intercambiabili | Desktop table top version with 5 different cups sizes

BUSTO RIGIDO | HARD FIBERGLASS TORSO

Soft Formax D10	Neck	Overbust	Underbust	Waist	High hip	Low hip	Leg
 cm	33	84	72	63	85	89	57

## Formax woman

# D10

Real International body shape | Conformazione internazionale

Interchangeable silicon cup | Coppa in silicone intercambiabile

Constant check of prototype collection | Controllo dei prototipi e vestibilità

Hard fiberglass torso | busto in vetroresina

Provided with lycra suit for pinning and draping | Prowisto di tuta in lycra spillabile

# activeformax<sup>®</sup> patented

Anthropometric mannequins

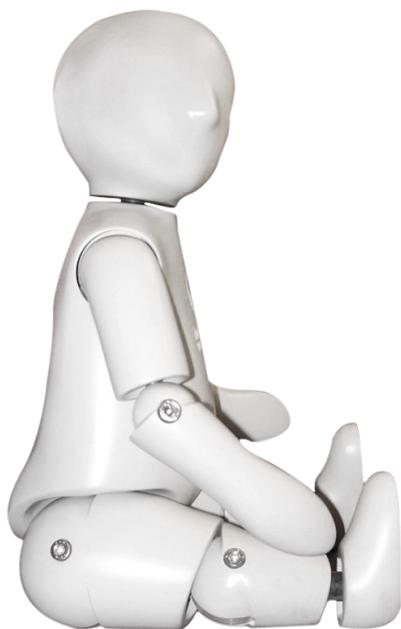


## Almost human!

**Active Formax<sup>®</sup>** mannequins are special anthropometric tools specifically designed to perform technical test and verifications.

**Active Formax<sup>®</sup>** are available in man, woman, baby, kid and child body shape.

Available with the real distributed weight (on demand), **Active Formax<sup>®</sup>** plays an important role during the design of ergonomic devices like safety car seats, furniture, passenger compartments and cockpits.



FORMAX<sup>®</sup> baby active 55 cm



FORMAX<sup>®</sup> baby active 76 cm



# activeformax<sup>®</sup> patented

Apparel fit mannequins

MADE IN ITALY



**Active Formax<sup>®</sup>** is available in special fire-resistant material and providable with sensors.

The higher degree of articulation (e.g. 90° hips point) towards standard **Formax<sup>®</sup>** makes **Active Formax<sup>®</sup>** the suitable

dummies to execute any kind of test of special fabrics in the wind and rain galleries.

## Formax<sup>®</sup> SuperActive

Reproducing movements and postures of a real human body, **Active and Super-Active Formax<sup>®</sup>** offer a perfect testing solution for the most performing active- and corporate-wear.

ARTICULATED BACK

ARTICULATED WRIST



ARTICULATED ANKLE

MADE IN ITALY

**Scheda misure / Size chart**

CONFORMAZIONE	ALTEZZA	TORACE	VITA	FIANCO
BODY SHAPE	HEIGHT	CHEST	WAIST	HIP
	cm	cm	cm	cm
10	170	85	63,5	91
10 YOUNG	170	88	66	92
9	170	86,5	68	95
8	174	90	68	96
7	170	90	70	97
6	176	95	75	105
5	174	95	75	105
4	168	101	82	110
SPECIAL 4	168	104	82	106
2	168	106	89	115
SPECIAL 2	168	110	89	115
0	168	110	95	123
00	168	134	119	140
MATERNITY 7 (6 Months)	170	92	90	97

**Confidential information - For internal use only**

In riferimento alle misure indicate precisiamo che tali valori, a causa delle variazioni termiche dei materiali e del tipo di lavorazione, possono avere tolleranza nell'ordine di 10-15 mm. Tali variazioni sono ampiamente giustificate, se si pensa che un atto respiratorio o una determinata postura provoca, ad esempio, in un individuo reale escursioni dell'ordine di 40-50 mm.

With reference to the measures shown on the schema, we specify that each value may present a difference of 10-15 mm because of thermal variation of the materials and different kinds of working. These differences are based on the fact that human breathe, for example, or a specified body position may cause a variation about 40-50 mm on a person.



## Scheda misure / Size chart

CONFORMAZIONE BODY SHAPE	ALTEZZA HEIGHT cm	TORACE CHEST cm	VITA WAIST cm	FIANCO HIP cm
10	170/174	90	75	91
9	180	96	83	99
8	180/184	104	83	98
8G Special body shape*	180/184	104	86	101
8 PI Special body shape*	180/184	103	86,5	103
7	180/184	100	86	102
6	180/184	104	95	104
4	180/184	108	102	111
2	178/182	112	111	116
0	178/182	115	118	121

### Confidential information - For internal use only

\*Disponibile in versione a fianco fisso e ginocchio fisso / Only available with fixed hips and knees

In riferimento alle misure indicate precisiamo che tali valori, a causa delle variazioni termiche dei materiali e del tipo di lavorazione, possono avere tolleranza nell'ordine di 10-15 mm. Tali variazioni sono ampiamente giustificate, se si pensa che un atto respiratorio o una determinata postura provoca, ad esempio, in un individuo reale escursioni dell'ordine di 40-50 mm.

With reference to the measures shown on the schema, we specify that each value may present a difference of 10-15 mm because of thermal variation of the materials and different kinds of working. These differences are based on the fact that human breathe, for example, or a specified body position may cause a variation about 40-50 mm on a person.



## Scheda misure

ALTEZZE IN CM	M/F	TESTA	TORACE	VITA	FIANCO	ETA' INDICATIVA	
ALTURA IN CM	M/F	CABEZA	PECHO	CINTURA	CADERA	EDAD INDICATIVA	
HAUTEUR EN CM	M/F	TÊTE	THORAX	TAILLE	HANCHES	AGE INDICATIVE	
HEIGHT IN CM	M/F	HEAD	CHEST	WAIST	HIP	INDICATIVE AGE	
GRÖßE CM	M/F	KOPF	BRUST	TAILLE	HÜFTE	HINWEISALTER	
			cm	cm	cm		
50	Unisex	38	36,5	37	40,5	Newborn	
55	Unisex	39	41	43	45	0-3	mesi/mes/mois/months
62	Unisex	42	43	43	48	6	mesi/mes/mois/months
68	Unisex	44	45	45	51	9	mesi/mes/mois/months
74/76	Unisex	46	47	46	52	12	mesi/mes/mois/months
80	Unisex	45	48,5	48,5	54	16	mesi/mes/mois/months
86	Unisex	48	50,5	51	56	18	mesi/mes/mois/months
92	Unisex	49	53	52	59	2	anni/años/ans/years/Jahre
98/100	Unisex	50	57	53	60	3	anni/años/ans/years/Jahre
104	Unisex	50	57	53	61	4	anni/años/ans/years/Jahre
110/112	Unisex	51	61	56	64	5	anni/años/ans/years/Jahre
116	Unisex	52	61	57,5	64	6	anni/años/ans/years/Jahre
118	Unisex	52	62	58	66	6	anni/años/ans/years/Jahre
124	Unisex	52,5	65	58	69	7	anni/años/ans/years/Jahre
128/130	M	54	68	61	69	8	anni/años/ans/years/Jahre
128/130	F	53	65	59	72	8	anni/años/ans/years/Jahre
134*	M	54	69	61	70	9	anni/años/ans/years/Jahre
134*	F	54	69	63	74	9	anni/años/ans/years/Jahre
134	Unisex	54	73	71	84	9	anni/años/ans/years/Jahre
140	M	55	73,5	63	75,5	10	anni/años/ans/years/Jahre
140	F	55	71	63,5	77,5	10	anni/años/ans/years/Jahre
152	M	56	80	69	82	12	anni/años/ans/years/Jahre
152	F	56	77	67	85	12	anni/años/ans/years/Jahre
152 HUSKY*	M	58	109	98	109	12	anni/años/ans/years/Jahre
164	M	56	86	74	87	14	anni/años/ans/years/Jahre
164	F	56	83	69	91,5	14	anni/años/ans/years/Jahre
170	M		87	74,5	90	16	anni/años/ans/years/Jahre
170	F	*	85	63,5	91	16	anni/años/ans/years/Jahre

### Confidential information - For internal use only

In riferimento alle misure indicate precisiamo che tali valori, a causa delle variazioni termiche dei materiali e del tipo di lavorazione, possono avere tolleranza nell'ordine di 10-15 mm. Tali variazioni sono ampiamente giustificate, se si pensa che un atto respiratorio o una determinata postura provoca, ad esempio, in un individuo reale escursioni dell'ordine di 40-50 mm.

Bezüglich der angegebenen Größen weisen wir daraufhin, daß diese Werte aufgrund von thermischen Veränderungen der Materialien und unterschiedlicher Verarbeitung um 10-15 mm variieren können. Diese Abweichungen sind gerechtfertigt, wenn man bedenkt, daß die Atmung oder eine bestimmte Körperhaltung einer Person einen Unterschied von 40-50 mm ausmachen können.

With reference to the measures shown on the schema, we specify that each value may present a difference of 10-15 mm because of thermal variation of the materials and different kinds of working. These differences are based on the fact that human breathe, for example, or a specified body position may cause a variation about 40-50 mm on a person.