

Imperial: P. 1-4

Metric: P. 3-6

Ready made size (04.26.2010)

Updated: May 14, 2013

Added Imperial & Custom Suit Notes

Female Size: P.2

Measurement Description: P. 3

Measurement Drawing: P.4

IMPERIAL (USA)		Male					
NO	SIZE	S	M	ML	L	XL	XXL
1	HEIGHT	5'5 - 5'7	5'7 - 5'9	5'8 - 5'10	5'10 - 6'1	6'1 - 6'3	6'3 - 6'5
2	WEIGHT (KGS)	140 - 160	150 - 170	180 - 200	190 - 210	210 - 230	230 - 250
3	GENERAL HEIGHT						
4	NECK MEASUREMENT	14.6	15.0	15.4	15.7	16.1	16.5
5	BACK HEIGHT (TO ANUS)	25.2	26.0	26.8	28.0	29.1	30.3
6	TOP BUST/UPPER CHEST	35.6	36.8	38.0	39.6	40.7	42.7
7	BUST MEASUREMENT	0.0	0.0	0.0	0.0	0.0	0.0
8	ABDOMINAL MEASUREMENT	31.7	32.9	34.1	35.2	36.4	37.6
9	LOWER ABDOMINAL MEASUREMENT	0.0	0.0	0.0	0.0	0.0	0.0
10	BUTTOCK CIRCUMFERENCE	37.0	37.8	38.6	39.4	40.9	42.5
11	SHOULDER WIDTH	17.3	18.1	18.9	18.9	19.7	19.7
12	SLEEVE LENGTH	29.1	29.9	30.7	31.5	32.3	33.1
13	ARM LENGTH	20.5	20.9	21.3	22.0	22.4	23.2
14	SHOULDER JOINT	16.5	16.9	17.7	18.1	18.9	19.7
15	UPPER ARM CIRCUMFERENCE						
16	BICEPS CIRCUMFERENCE						
17	ELBOW CIRCUMFERENCE						
18	FOREARM	10.6	11.0	11.4	12.2	12.6	13.0
19	WRIST	6.7	7.1	7.1	7.5	7.9	8.3
20	UPPER CROTCH LENGTH (INSEAM)	27.6	29.1	29.9	30.7	31.5	32.3
21	THIGH, LARGEST CIRCUMFERENCE	22.0	22.8	23.6	24.4	25.2	26.0
22	THIGH, INTERMEDIATE CIRCUMFERENCE						
23	ABOVE KNEE CIRCUMFERENCE						
24	BELOW KNEE CIRCUMFERENCE	13.8	14.2	14.6	15.0	15.4	15.7
25	CALF CIRCUMFERENCE	14.6	15.0	15.4	15.7	16.1	16.5
26	ANKLE						
27	LOWER LEG LENGTH	15.4	16.1	16.5	16.9	17.3	17.7
28	HEAD CIRCUMFERENCE						
29	FOOT LENGTH <b>BOOT SIZE</b>	<b>7 ~ 8</b>	<b>8 ~ 9</b>	<b>9 ~ 10</b>	<b>9~10 / 11~12</b>	<b>11~12 / 13~14</b>	<b>12~13 / 14~15</b>
30	UNDER BUST						
31	BREAST DROP						
32	NIPPLE DISTANCE	<b>NB: All Imperial measurements except height, weight and boot size are exact conversion from metric.</b>					

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Measurement Drawing: P.4

IMPERIAL (USA)		Female		
NO	SIZE	X S	S	M
1	HEIGHT	5'3 - 5'6	5'4 - 5'7	5'5 - 5'8
2	WEIGHT (KGS)	100 - 125	110 - 135	130 - 160
3	GENERAL HEIGHT			
4	NECK MEASUREMENT	12.6	13.4	14.2
5	BACK HEIGHT (TO ANUS)	24.4	25.2	26.0
6	TOP BUST/UPPER CHEST	34.4	34.6	36.8
7	BUST MEASUREMENT	0.0	0.0	0.0
8	ABDOMINAL MEASUREMENT	30.5	31.7	33.9
9	LOWER ABDOMINAL MEASUREMENT	0.0	0.0	0.0
10	BUTTOCK CIRCUMFERENCE	36.2	37.0	38.8
11	SHOULDER WIDTH	16.5	17.3	18.1
12	SLEEVE LENGTH	28.3	29.1	29.9
13	ARM LENGTH	20.1	20.5	20.9
14	SHOULDER JOINT	16.1	16.5	16.9
15	UPPER ARM CIRCUMFERENCE			
16	BICEPS CIRCUMFERENCE			
17	ELBOW CIRCUMFERENCE			
18	FOREARM	10.2	10.6	11.0
19	WRIST	6.3	6.7	7.1
20	UPPER CROTCH LENGTH (INSEAM)	26.2	26.6	28.1
21	THIGH, LARGEST CIRCUMFERENCE	21.3	22.0	22.8
22	THIGH, INTERMEDIATE CIRCUMFERENCE			
23	ABOVE KNEE CIRCUMFERENCE			
24	BELOW KNEE CIRCUMFERENCE	13.4	13.8	14.2
25	CALF CIRCUMFERENCE	14.2	14.6	15.0
26	ANKLE			
27	LOWER LEG LENGTH	14.6	15.0	15.4
28	HEAD CIRCUMFERENCE			
29	FOOT LENGTH <b>BOOT SIZE</b>	<b>6 ~ 7</b>	<b>7 ~ 8</b>	<b>8 ~ 9</b>
30	UNDER BUST			
31	BREAST DROP			
32	NIPPLE DISTANCE			

MEASUREMENT GUIDELINE (MODIFIED FOR STOCK DETAIL)		
NO	SIZE (CUSTOM FIT)	<b>NB: All Imperial measurements except height, weight and boot size are exact conversion from metric.</b>
1	HEIGHT	Matches Apollo USA catalog chart, adjustment decreased/increased range based on results from onsite fit event.
2	WEIGHT (KGS)	Matches Apollo USA catalog chart, adjustment decreased/increased range based on results from onsite fit event.
3	GENERAL HEIGHT	n/a for stock sizes
4	NECK MEASUREMENT	Slenderest point, below Adam's apple
5	BACK HEIGHT (TO ANUS)	From Point "A" to anus Point A is raised bone at back of neck
6	TOP BUST/UPPER CHEST	Taken thru armpit with arms lowered in a natural way
7	BUST MEASUREMENT	n/a for stock sizes
8	ABDOMINAL MEASUREMENT	A little above navel at thinnest point
9	LOWER ABDOMINAL MEASUREMENT	The most prominent part of abdomen
10	BUTTOCK CIRCUMFERENCE	The most prominent part of the buttocks
11	SHOULDER WIDTH	From extreme point of shoulder, taken through Point "A" to other shoulder, going with roundness of shoulders
12	SLEEVE LENGTH	Arm raised in 45° angle, take measurement from Point "A" to wrist, going through extreme point of shoulder to wrist
13	ARM LENGTH	Arm raised in 45° angle, take measurement from extreme point of shoulder to wrist
14	SHOULDER JOINT	Arm raised in 45° angle, take measurement from the armpit going around the shoulder
15	UPPER ARM CIRCUMFERENCE	n/a for stock sizes
16	BICEPS CIRCUMFERENCE	n/a for stock sizes
17	ELBOW CIRCUMFERENCE	n/a for stock sizes
18	FOREARM	Immediately below the elbow at largest point
19	WRIST	The slenderest part of wrist
20	UPPER CROTCH LENGTH	Crotch to inner ankle <b>NB: Actual measurement indicated plus up to 2" can generally be accommodated with comfort.</b>
21	THIGH, LARGEST CIRCUMFERENCE	Largest part of thigh
22	THIGH, INTERMEDIATE CIRCUMFERENCE	n/a for stock sizes
23	ABOVE KNEE CIRCUMFERENCE	n/a for stock sizes
24	BELOW KNEE CIRCUMFERENCE	Immediately below kneecap, where it becomes slender
25	CALF CIRCUMFERENCE	The largest part of calf
26	ANKLE	n/a for stock sizes
27	LOWER LEG LENGTH	From protruding bone inner side of knee to center of ankle bone
28	HEAD CIRCUMFERENCE	n/a for stock sizes
29	FOOT LENGTH	not actual foot length, stock boot size noted
30	UNDER BUST	n/a for stock sizes
31	BREAST DROP	n/a for stock sizes
32	NIPPLE DISTANCE	n/a for stock sizes
33	LATERAL MALLEOLUS LENGTH	n/a for stock sizes

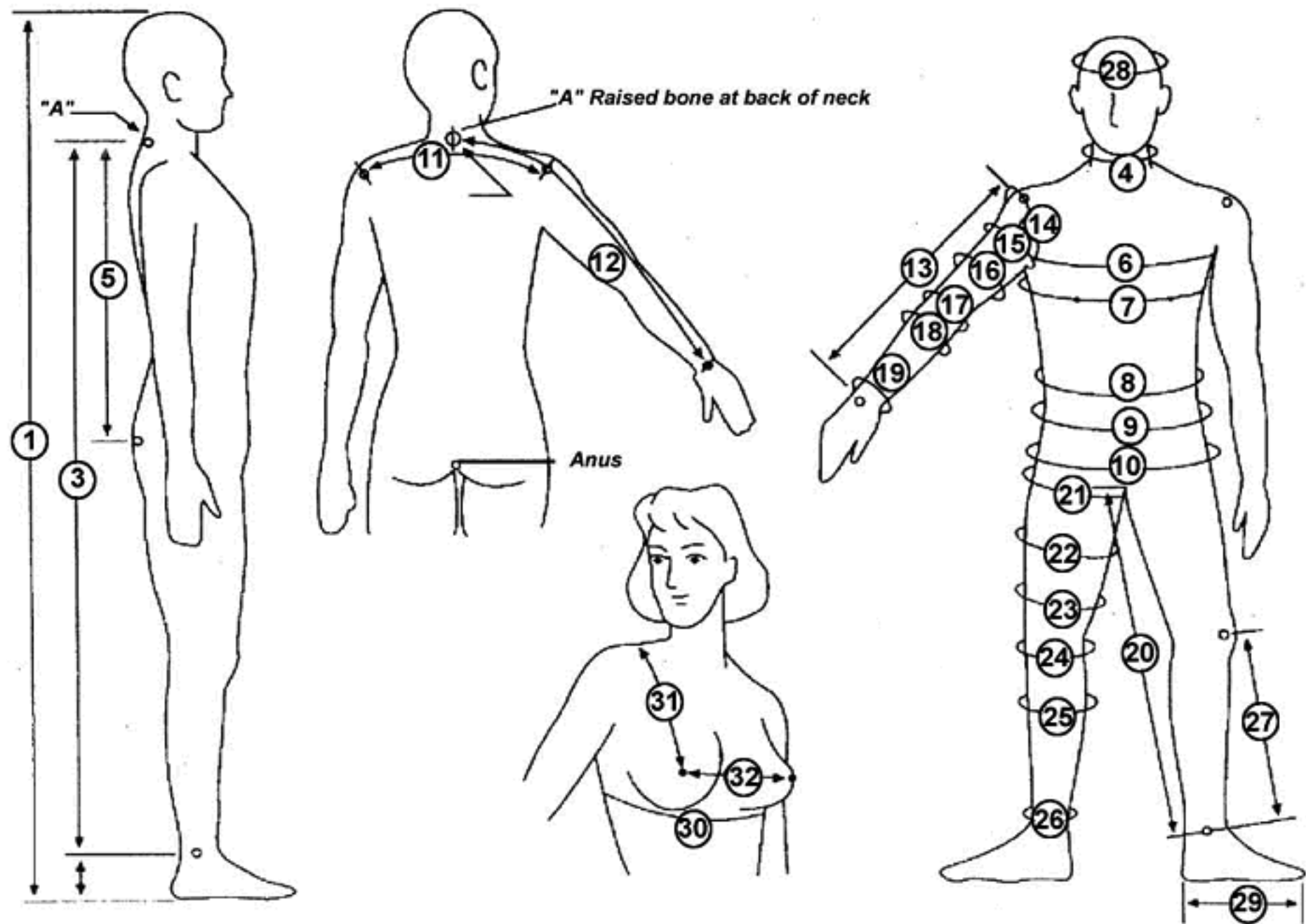


Diagram numbers refer to measurement chart

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Measurement Drawing: P.4

METRIC (INTERNATIONAL)		Male					
NO	SIZE	S	M	ML	L	XL	XXL
1	HEIGHT	166~170	171~175	176~180	181~185	186~190	191~195
2	WEIGHT (KGS)	66~70	71~75	76~80	81~85	86~90	91~95
3	GENERAL HEIGHT						
4	NECK MEASUREMENT	37	38	39	40	41	42
5	BACK HEIGHT (TO ANUS)	64	66	68	71	74	77
6	TOP BUST/UPPER CHEST	90.5	93.5	96.5	100.5	103.5	108.5
7	BUST MEASUREMENT						
8	ABDOMINAL MEASUREMENT	80.5	83.5	86.5	89.5	92.5	95.5
9	LOWER ABDOMINAL MEASUREMENT						
10	BUTTOCK CIRCUMFERENCE	94	96	98	100	104	108
11	SHOULDER WIDTH	44	46	48	48	50	50
12	SLEEVE LENGTH	74	76	78	80	82	84
13	ARM LENGTH	52	53	54	56	57	59
14	SHOULDER JOINT	42	43	45	46	48	50
15	UPPER ARM CIRCUMFERENCE						
16	BICEPS CIRCUMFERENCE						
17	ELBOW CIRCUMFERENCE						
18	FOREARM	27	28	29	31	32	33
19	WRIST	17	18	18	19	20	21
20	UPPER CROTCH LENGTH	70	74	76	78	80	82
21	THIGH, LARGEST CIRCUMFERENCE	56	58	60	62	64	66
22	THIGH, INTERMEDIATE CIRCUMFERENCE						
23	ABOVE KNEE CIRCUMFERENCE						
24	BELOW KNEE CIRCUMFERENCE	35	36	37	38	39	40
25	CALF CIRCUMFERENCE	37	38	39	40	41	42
26	ANKLE						
27	LOWER LEG LENGTH	39	41	42	43	44	45
28	HEAD CIRCUMFERENCE						
29	FOOT LENGTH <b>BOOT SIZE</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>28 / 30</b>	<b>30 / 32</b>	<b>31 / 33</b>
30	UNDER BUST						
31	BREAST DROP						
32	NIPPLE DISTANCE						

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METRIC (INTERNATIONAL)		Female		
NO	SIZE	X S	S	M
1	HEIGHT	158~163	160~165	166~170
2	WEIGHT (KGS)	55~60	60~65	66~70
3	GENERAL HEIGHT			
4	NECK MEASUREMENT	32	34	36
5	BACK HEIGHT (TO ANUS)	62	64	66
6	TOP BUST/UPPER CHEST	87.5	88	93.5
7	BUST MEASUREMENT			
8	ABDOMINAL MEASUREMENT	77.5	80.5	86
9	LOWER ABDOMINAL MEASUREMENT			
10	BUTTOCK CIRCUMFERENCE	92	94	98.5
11	SHOULDER WIDTH	42	44	46
12	SLEEVE LENGTH	72	74	76
13	ARM LENGTH	51	52	53
14	SHOULDER JOINT	41	42	43
15	UPPER ARM CIRCUMFERENCE			
16	BICEPS CIRCUMFERENCE			
17	ELBOW CIRCUMFERENCE			
18	FOREARM	26	27	28
19	WRIST	16	17	18
20	UPPER CROTCH LENGTH	66.5	67.5	71.5
21	THIGH, LARGEST CIRCUMFERENCE	54	56	58
22	THIGH, INTERMEDIATE CIRCUMFERENCE			
23	ABOVE KNEE CIRCUMFERENCE			
24	BELOW KNEE CIRCUMFERENCE	34	35	36
25	CALF CIRCUMFERENCE	36	37	38
26	ANKLE			
27	LOWER LEG LENGTH	37	38	39
28	HEAD CIRCUMFERENCE			
29	FOOT LENGTH <b>BOOT SIZE</b>	<b>24</b>	<b>25</b>	<b>26</b>
30	UNDER BUST			
31	BREAST DROP			
32	NIPPLE DISTANCE			