

DATASHEET

Size Specification Reference

Reference measurement points for the four block families that grade differently from each other. These are starting points for discussion. Production runs to your measurement chart, adjusted for your customer and your market.

Blocks That Need Their Own Chart

Block family	Why it grades differently
Mens underwear	Trunk, boxer brief and brief share a chart; inseam length is the variable.
Womens panties	Lace and elastic do not stretch at the same rate as the body knit, so the pattern is compensated per size rather than scaled.
Jockstraps	Waist, pouch height, crotch and elastic placement do not exist on a brief chart.
Bras	Band and cup grade independently. Cup tooling is fixed, so sample across at least three sizes.
Seamless	Tube diameter constrains the grade in a way cut and sew does not.
Kids	Print placement must be re-laid per size, not scaled with the pattern.

Mens underwear reference chart

Size Spec

POINTS OF MEASURE: FLAT MEASUREMENTS	TOL. +/-	SIZES			
		S	M	L	XL
1. WAIST RELAXED	1/2	13 1/2	14 1/2	16	17 1/2
2-SEAT POSITION ABOVE CROTCH FOLD	0	3 1/4	3 1/2	3 3/4	4
3. SEAT WIDTH MEASURE IN "V"	1/2	16 3/4	17 3/4	19 1/4	20 3/4
4. FRONT RISE INCL WB ALONG CURVE	1/2	- 1/2	0	5/8	1 1/4
5-FRONT RISE MEASURED STRAIGHT FROM TOP BAND TO CROTCH/THIGH SEAM (see below how to measure)	1/2	9 1/4	9 3/4	10 3/8	11
6. BACK RISE, INCL. WB AT CB TO CROTCH SEAM	1/2	10 1/4	10 3/4	11 3/8	12
7. LEG OPENING, STRAIGHT	1/2	7 3/4	8 1/4	9	9 3/4
8. OUTSEAM LENGTH	1/2	12 1/2	13	13 5/8	14 1/4
9. THIGH 1" BELOW CROTCH	1/2	8 3/4	9 1/4	10	10 3/4
10. LEG HEM HEIGHT	0	3/4	3/4	3/4	3/4
11. FRONT PANEL WIDTH AT WAIST-mid binding to mid binding	1/4	3 1/2	3 3/4	4	4 1/4
12. CROTCH WIDTH @ FOLD		0	0	0	0
13-CROTCH WIDTH AT FRONT SEAM-mid binding to mid binding	1/4	2 1/2	2 5/8	2 3/4	2 7/8
14-FRONT PANEL WIDTH AT 5" BELOW TOP OF BAND-mid binding to mid binding	1/4	4 3/4	5	5 1/4	5 1/2
15-BACK PANEL WIDTH AT WAIST	1/4	9 3/4	10	10 1/4	10 1/2
16-BACK PANEL WIDTH @ 5" FROM TOP OF BAND	1/4	8 3/4	9	9 1/4	9 1/2
17-CROTCH WIDTH AT BACK SEAM	1/4	3 1/8	3 1/4	3 3/8	3 1/2
18-FLY OPENING		4 1/4	4 1/2	4 3/4	5
19-FLY START POINT FROM WAIST SEAM		1 7/8	2	2 1/8	2 1/4
20-GUSSET LENGTH	1/2	12 1/8	12 1/4	12 3/8	12 1/2
21-GUSSET WIDTH	1/4	3	3	3	3
WAISTBAND HEIGHT	1/8	1 1/2	1 1/2	1 1/2	1 1/2
LEG OPENING EXTENDED-MINIMUM	0		17		

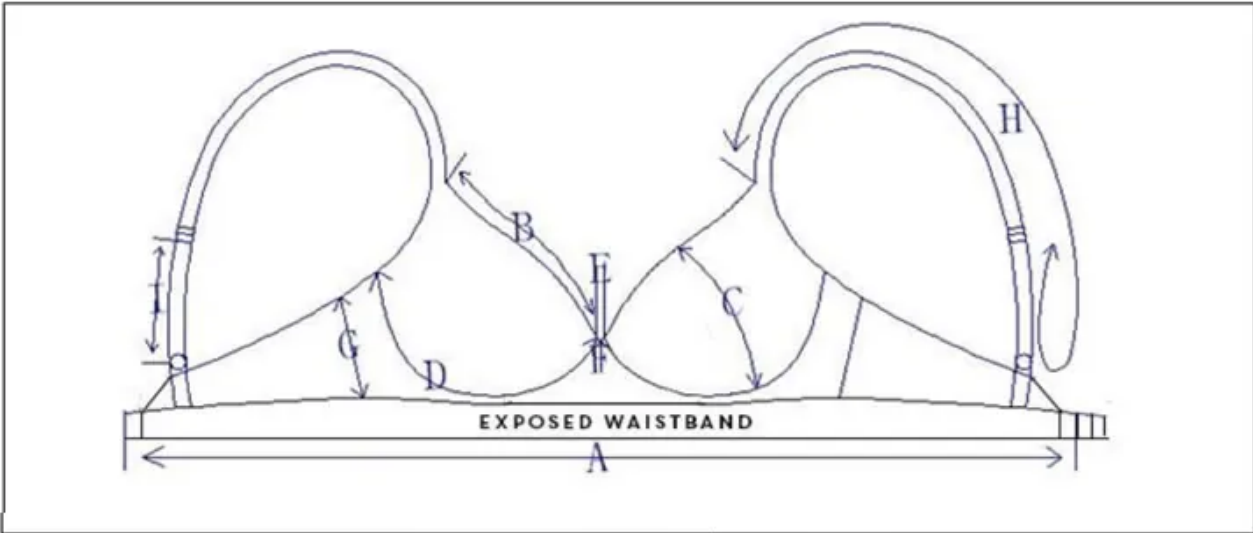
Womens panty reference chart

SI ZE		S	M	L
A	WAI ST	30	32	34
B	SI DE LENGTH	10	10.5	11
C	FRONT RI SE	19	20	21
D	BACK RI SE	19.5	20.5	21.5
E	FRONT LEG OPENI NTG	23	24	25
F	BACK LEG OPENI NG	19	20	21
G	CROTCH LENGTH	9	9	9
H	FRONT CROTCH W DTH	6.5	7	7.5
J	BACK CROTCH W DTH	10	10.5	11

Jockstrap reference chart

JOCK STRAP								
POM	DESCRIPTION	XS	S	M	L	XL	XXL	TOL
BODY DETAILS								
1	WAIST WIDTH @ TOP EDGE	12 1/2	13 1/4	14	14 3/4	15 1/2	16 1/4	-3/8
2	WAISTBND HEIGHT	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	1 3/4	-1/8
3	CROTCH PANEL WIDTH @ TOP	5 1/4	5 3/4	6 1/4	6 3/4	7 1/4	7 3/4	-1/4
4	CROTCH PANEL LENGTH @ CENTER	5 1/2	5 3/4	6	6 1/4	6 1/2	6 3/4	-1/8
5	BINDING WIDTH	3/8	3/8	3/8	3/8	3/8	3/8	-1/8
6	ELASTIC WIDTH @ LEG	3/4	3/4	3/4	3/4	3/4	3/4	-1/8
7	ELASTIC PLACEMENT FROM CROTCH PANEL EDGE ALONG BOTTOM OF ELASTIC	2	2 1/4	2 1/2	2 3/4	3	3 1/4	-1/8
8	ELASTIC LENGTH @ LEG (TOTAL)	11 1/2	11 3/4	12	12 1/4	12 1/2	12 3/4	-1/8

Bra measurement reference



		A10	B10	A12	B12	A14	A16	B14	B16	C10	C12	C14	ERROR
A	underbust to first hook	58	58	63	63	68	73	68	73	58	63	68	1
B	neckline	14.4	15.2	15.2	16	16	16.8	16.8	17.6	16	16.8	17.6	0.5
C	cup height	12.4	13.2	13.2	14	14	14.8	14.8	15.6	14	14.8	15.6	0.5
D	casing	18.9	20.2	20.2	21.5	21.5	22.8	22.8	24.1	21.5	22.8	24.1	0.5
E	width of top c.f.	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.2
F	width of c.f.	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.3
G	side seam	6.5	7	7	7.5	7.5	8	8	8.5	7.5	8	8.5	0.3
H	strap length	42	42	42	42	42	42	42	42	42	42	42	0.5
I	adjuster length	5	5	5	5	5	5	5	5	5	5	5	0
J	back gore	4	4	4	4	4.5	5	4.5	5	4	4	5	0.3

Practical Rules

Rule	Reason
Send a full measurement chart, not one sample size	A sample fits by definition. The range is decided by the grade.
Approve the pre production sample at the extremes of the run	Sampling only the middle size hides every grading problem.
State the tolerance per measurement point	It becomes part of the AQL inspection rather than a later argument.
Keep the approved chart on file	A repeat cut grades identically only if the chart is reissued with it.

All figures in this document reflect how Youlang and its partner factories work at the time of publication. Size charts are reference points and are expected to be revised to your own measurement specification. Certificates are held by the partner factory producing your order and current copies are supplied on request.