

# Foot Length in mm +5<sup>5</sup>/<sub>6</sub>% Toe Room to Barleycorn Sizes

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Foot . mm	<b>+5<sup>5</sup>/<sub>6</sub>%</b>					Customary	
	<b>IT</b>   <b>EU</b>	<b>MxA</b>	<b>ukA</b>	<b>usM</b>	<b>usW</b>		
		<b>25½</b>	<b>25</b>	<b>24</b>	<b>22½</b>		
200	31 <sup>1</sup> / <sub>3</sub>	-½	0	1	2½		
204	+4½% 32	0	½	1½	3		
208	32 <sup>2</sup> / <sub>3</sub>	½	1	2	3½		
212	33 <sup>1</sup> / <sub>3</sub>	1	1½	2½	4		
216	+5% 34	1½	2	3	4½		
220	34 <sup>2</sup> / <sub>3</sub>	2	2½	3½	5		
224	35 <sup>1</sup> / <sub>3</sub>	2½	3	4	5½		
228	+5¼% 36	3	3½	4½	6		
232	36 <sup>2</sup> / <sub>3</sub>	3½	4	5	6½		
236	37 <sup>1</sup> / <sub>3</sub>	4	4½	5½	7		
240	+5½% 38	4½	5	6	7½		
244	38 <sup>2</sup> / <sub>3</sub>	5	5½	6½	8		
248	39 <sup>1</sup> / <sub>3</sub>	5½	6	7	8½		
252	+5 <sup>5</sup> / <sub>6</sub> % <b>40</b>	<b>6</b>	<b>6½</b>	<b>7½</b>	<b>9</b>		
256	40 <sup>2</sup> / <sub>3</sub>	6½	7	8	9½		
260	41 <sup>1</sup> / <sub>3</sub>	7	7½	8½	10		
264	+6% 42	7½	8	9	10½		
268	42 <sup>2</sup> / <sub>3</sub>	8	8½	9½	11		
272	43 <sup>1</sup> / <sub>3</sub>	8½	9	10	11½		
276	+6¼% 44	9	9½	10½	12		
280	44 <sup>2</sup> / <sub>3</sub>	9½	10	11	12½		
284	45 <sup>1</sup> / <sub>3</sub>	10	10½	11½	13		
288	+6½% 46	10½	11	12	13½		

# Barleycorn Foot Ruler

EEE	I	43 $\frac{1}{8}$
EE	H	41 $\frac{1}{4}$
E	G	39 $\frac{3}{8}$
D	F	37 $\frac{1}{2}$
C	E	35 $\frac{5}{8}$
B	D	33 $\frac{3}{4}$
A	C	31 $\frac{7}{8}$
AA	B	30
AAA	A	28 $\frac{1}{8}$
(W)		%

Approx. Width Percent Table

$$\text{Width \%} = \frac{\text{FootWidth}}{\text{FootLength}}$$

mm
64
68
72
76
80
84
88
92
96
100
104
108
112
116
120
124
128

Toe Room	Approx. Width	Length Adjust
8 $\frac{1}{3}$ %	Wide	+2.362%
7 $\frac{1}{2}$ %	↑	+1.575%
6 $\frac{2}{3}$ %	+	+0.787%
5 $\frac{5}{6}$ %	Medium	0.000%
5 %	-	-0.787%
4 $\frac{1}{6}$ %	↓	-1.575%
3 $\frac{1}{3}$ %	Narrow	-2.362%
0 %	(1:1)	-5.512%

Size:

$$Mx|UK|M|W = \text{Last.in} \times 3 - K$$

$$Mx|UK|M|W = \text{Foot.mm} \div 8 - K$$

Where offset 'K' is:

$$Mx = 25\frac{1}{2}, UK=25, M=24, W=22\frac{1}{2}$$

Last.in is the Last length in Inches.

$$UK = M - 1 = W - 2\frac{1}{2} = Mx + \frac{1}{2}$$

$$IT|EU = 1.27 \times (UK + 25)$$

$$IT|EU = 0.15875 \times \text{Foot.mm}$$

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Last Length  
Barley-corns Inches

US Customary

W	M	UK
3	1 $\frac{1}{2}$	$\frac{1}{2}$
4	2 $\frac{1}{2}$	1 $\frac{1}{2}$
5	3 $\frac{1}{2}$	2 $\frac{1}{2}$
6	4 $\frac{1}{2}$	3 $\frac{1}{2}$
7	5 $\frac{1}{2}$	4 $\frac{1}{2}$
8	6 $\frac{1}{2}$	5 $\frac{1}{2}$
9	7 $\frac{1}{2}$	6 $\frac{1}{2}$
10	8 $\frac{1}{2}$	7 $\frac{1}{2}$
11	9 $\frac{1}{2}$	8 $\frac{1}{2}$
12	10 $\frac{1}{2}$	9 $\frac{1}{2}$
13	11 $\frac{1}{2}$	10 $\frac{1}{2}$

↑ ↑ 192	mm
	200
	204
	208
	212
	216
	220
	224
	228
	232
	236
	240
	244
	248
	252
	256
	260
	264
	268
	272
	276
	280
	284
↑ ↑	288

US Customary

UK	M	W
0	1	2 $\frac{1}{2}$
1	2	3 $\frac{1}{2}$
2	3	4 $\frac{1}{2}$
3	4	5 $\frac{1}{2}$
4	5	6 $\frac{1}{2}$
5	6	7 $\frac{1}{2}$
6	7	8 $\frac{1}{2}$
7	8	9 $\frac{1}{2}$
8	9	10 $\frac{1}{2}$
9	10	11 $\frac{1}{2}$
10	11	12 $\frac{1}{2}$
11	12	13 $\frac{1}{2}$

Last Length  
Inches Barley-corns

8 $\frac{1}{3}$	25
8 $\frac{2}{3}$	26
9	27
9 $\frac{1}{3}$	28
9 $\frac{2}{3}$	29
10	30
10 $\frac{1}{3}$	31
10 $\frac{2}{3}$	32
11	33
11 $\frac{1}{3}$	34
11 $\frac{2}{3}$	35
12	36