

# Text Width Probe

Each black bar is a fixed width in points. The Courier line below is generated so measured text width matches the bar width.

## Courier exact-width rows (10pt)

W=120pt | chars=20 | measured=120.000pt | delta=0.000pt  
XXXXXXXXXXXXXXXXXXXX

W=180pt | chars=30 | measured=180.000pt | delta=0.000pt  
XXXXXXXXXXXXXXXXXXXXXXXXXXXX

W=240pt | chars=40 | measured=240.000pt | delta=0.000pt  
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

W=300pt | chars=50 | measured=300.000pt | delta=0.000pt  
XX

W=360pt | chars=60 | measured=360.000pt | delta=0.000pt  
XX

## Courier rows with spaces (10pt)

Same fixed-width bars, but text is generated as "X X X ..." to include explicit inter-word spaces.

W=120pt | tokens=10 | measured=114.000pt | delta=6.000pt  
X X X X X X X X X X

W=180pt | tokens=15 | measured=174.000pt | delta=6.000pt  
X X X X X X X X X X X X X X

W=240pt | tokens=20 | measured=234.000pt | delta=6.000pt  
X X X X X X X X X X X X X X X X X X

W=300pt | tokens=25 | measured=294.000pt | delta=6.000pt  
X X

W=360pt | tokens=30 | measured=354.000pt | delta=6.000pt  
X X

## Reference bar + sentence (Helvetica 9pt)

Use this to visually compare glyph ink edge vs advance width endpoint.

Helvetica 9pt measured width: 266.625pt  
The center column has weight 2, so it takes twice the width of each