inch

5 6 7 8 9 10 11 12 13 14 15 16 17 18 20 22 25 30

cm

## Baseline distances

## Cap heights

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | cmr10 |
| | | | | | | | cmbx10 |
| | | | | | | | cmss10 |
| | | | | | | | cmmi10 |
| 0 | half | 1 | 2 | 3 | 4 | 5 | magstep |
| 2.44 | 2.67 | 2.93 | 3.51 | 4.22 | 5.06 | 6.07 | mm |
| 10 | 10.95 | 12 | 14.4 | 17.28 | 20.74 | 24.88 | point size |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | cmtt10 |
| | | | | | | | cmff10 |
| 0 | half | 1 | 2 | 3 | 4 | 5 | magstep |
| 2.14 | 2.35 | 2.57 | 3.09 | 3.71 | 4.45 | 5.34 | mm |
| 10 | 10.95 | 12 | 14.4 | 17.28 | 20.74 | 24.88 | point size |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | cmr7 |
| | | | | | | | cmbx7 |
| | | | | | | | cmmi7 |
| 0 | half | 1 | 2 | 3 | 4 | 5 | magstep |
| 1.70 | 1.86 | 2.04 | 2.45 | 2.94 | 3.54 | 4.24 | mm |
| 7 | 7.67 | 8.4 | 10.08 | 12.10 | 14.52 | 17.42 | point size |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | | | | | cmr5 |
| | | | | | | | cmbx5 |
| | | | | | | | cmmi5 |
| 0 | half | 1 | 2 | 3 | 4 | 5 | magstep |
| 1.21 | 1.33 | 1.46 | 1.75 | 2.10 | 2.52 | 3.03 | mm |
| 5 | 5.48 | 6 | 7.2 | 8.64 | 10.37 | 12.44 | point size |

## Rule weights

mm pt

| 0.05 | 0.50 | 0.5 |
| 0.10 | 0.60 | 1.0 |
| 0.15 | 0.70 | 1.5 |
| 0.20 | 0.80 | 2.0 |
| 0.25 | 0.90 | 2.5 |
| 0.30 | 1.00 | 3.0 |
| 0.35 | 1.10 | 3.5 |
| 0.40 | 1.20 | 4.0 |
| 0.45 | 1.30 | 4.5 |
| | 1.40 | 5.0 |
| | 1.50 | 5.5 |
| | | 6.0 |
| | | 6.5 |
| | | 7.0 |
| | | 7.5 |
| | | 8.0 |
| | | 8.5 |
| | | 9.0 |
| | | 9.5 |

pica

## Conversion of units

| 1in | = | 72.27 pt |
|---|---|---|
| 1in | = | 72 bp |
| 1in | = | 25.4 mm |
| 1157dd | = | 1238 pt |
| 1pt | = | 65536 sp |

| | pt | pc | dd | cc | bp | mm | in |
|---|---|---|---|---|---|---|---|
| pt | 1 | .0833 | | | | .351 | .0138 |
| pc | 12 | 1 | | | | 4.218 | .166 |
| dd | | | 1 | .0833 | | .376 | .0148 |
| cc | | | 12 | 1 | | 4.513 | .1777 |
| bp | | | | | 1 | .383 | .0139 |
| mm | 2.845 | .237 | 2.659 | .222 | 2.835 | 1 | .0394 |
| in | 72.27 | 6.0225 | 67.54 | 5.628 | 72 | 25.4 | 1 |

# The TEX Ruler

Design: Inge and Victor Eijkhout 1990