

Unità di Lunghezza

Nome	Simbolo	Definizione	Relazione con le unità SI
metro (Unità fondamentale SI)	m	$\equiv m$	$= m$
fermi	fm	$\equiv 1,000 \times 10^{-15} m$	$= 1,000 \times 10^{-15} m$
x unit; siegbahn	xu		$\approx 1,0021 \times 10^{-13} m$
stigma; pm		$\equiv 1,000 \times 10^{-12} m$	$\equiv 1,000 \times 10^{-12} m$
raggio di Bohr	a_0 ; b	$\equiv a/(4\pi R_\infty)$	$\approx 5,291\,772\,083 \times 10^{-11} \pm 19 \times 10^{-20} m$
unità di massa atomica	ua	$\equiv a_0$	$\approx 5,291\,772\,083 \times 10^{-11} \pm 19 \times 10^{-20} m$
ångström	Å		$\equiv 1,000 \times 10^{-10} m = 0.1 \text{ nm}$
micron	μ , μm		$\equiv 1,000 \times 10^{-6} m$
twip	twp	$\equiv 1/1440 \text{ in}$	$\approx 1,763\,889 \times 10^{-5} m$
mil; thou	mil	$\equiv 1,000 \times 10^{-3} \text{ in}$	$= 2,54 \times 10^{-5} m$
mickey		$\equiv 1/200 \text{ in}$	$= 1,27 \times 10^{-4} m$
punto (ATA)	pt	$\equiv 0,013837 \text{ in}$	$= 0,351\,459\,8 \text{ mm}$
punto (PostScript)	pt	$\equiv 1/72 \text{ in}$	$\approx 0,352\,778 \text{ mm}$
punto (sist. metrico)	pt	$\equiv 3/8 \text{ mm}$	$= 0,375 \text{ mm}$
point (Didot; europeo)	pt		$\equiv 0,376\,065 \text{ mm}$
linea	ln	$\equiv 1/12 \text{ in}$	$\approx 2,116\,667 \text{ mm}$
barley corn		$\equiv 1/3 \text{ in}$	$\approx 8,466\,667 \text{ mm}$
finger (dito)		$\equiv 7/8 \text{ in}$	$= 22,225 \text{ mm}$
pollice	in	$\equiv 1/36 \text{ yd}$	$= 25,4 \text{ mm}$
calibro	cal	$\equiv 1 \text{ in}$	$= 25,4 \text{ mm}$

stick		≡ 2 in	= 50,8 mm
nail (cloth)		≡ 2 ¼ in	= 57,15 mm
palmo		≡ 3 in	= 76,2 mm
mano		≡ 4 in	= 0,1016 m
finger (cloth)		≡ 4 ½ in	= 0,1143 m
spanna		≡ 6 in	= 0,1524 m
link (Gunter's; Surveyor's)	Ink	≡ 1/100 ch	= 0,201 168 m
span (cloth)		≡ 9 in	= 0,2286 m
quarter		≡ ¼ yd	= 0,2286 m
link (Ramsden's; Engineer's)	Ink	≡ 1 ft	= 0,3048 m
piede (di Clarke)	ft (Cla)		≈ 0,304 797 265 4 m
piede (di Sear)	ft (Sear)		≈ 0,304 799 47 m
piede (Indiano)	ft Ind		≈ 0,304 799 514 m
piede (Benoît)	ft (Ben)		≈ 0,304 799 735 m
piede	ft	≡ 12 in	= 0,3048 m
piede (Americano)	ft (US)	≡ 1200/3937 m	≈ 0,304 800 610 m
cubito		≡ 18 in	= 0,4572 m
passo		≡ 2.5 ft	= 0,762 m
iarda	yd	≡ 3 ft	= 0,9144 m
ell	ell	≡ 45 in	= 1,143 m
braccio	fm	≡ 6 ft	= 1,8288 m
		≈ 1/1000 NM	= 1,852 m
rod; pole; perch	rd	≡ 16 ½ ft	= 5,0292 m

rope	rope	≡ 20 ft	= 6,096 m
chain (Gunter's; Surveyor's)	ch	≡ 66 ft	= 20,1168 m
chain (Ramsden's; Engineer's)	ch	≡ 100 ft	= 30,48 m
cable length (International)		≡ 1/10 NM	= 185,2 m
cable length (Imperial)		≡ 608 ft	= 185,3184 m
furlong	fur	≡ 660 ft	= 201,168 m
cable length (U.S.)		≡ 720 ft	= 219,456 m
miglio	mi	≡ 1760 yd = 5280 ft	= 1609,344 m
miglio (Americano)	mi	≡ 5280 ft (US)	= $5280 \times 1200 / 3937$ m \approx 1609,347 219 m
miglio nautico	NM; nm		≡ 1852 m
miglio nautico (Admiralty)	NM (Adm); nm (Adm)	≡ 6080 ft	= 1853,184 m
miglio geografico	mi	≡ 6082 ft	= 1853,7936 m
telegraph mile	mi	≡ 6087 ft	= 1855,3176 m
lega	lea	≡ 3 mi	= 4828,032 m
lega nautica	NL; nl	≡ 3 NM	= 5556 m
spat	S	≡ 10^{12} m	= 1 Tm
secondo luce			≡ $2,997\ 924\ 58 \times 10^8$ m
minuto luce		≡ 60 secondi luce	= $1,798\ 754\ 748 \times 10^{10}$ m
ora luce		≡ 60 minuti luce	= $1,079\ 252\ 848\ 8 \times 10^{12}$ m
giorno luce		≡ 24 ore luce	= $2,590\ 206\ 837\ 12 \times 10^{13}$ m
anno luce	l.y.	≡ $c_0 \times 86\ 400 \times 365,25$	= $9,460\ 730\ 472\ 580$ 8×10^{15} m

unità astronomica	AU		= 149 597 870.691 ± 0,030 km
parsec	pc	$\approx 180 \times 60 \times 60 / \pi$ AU $\approx 206\,264,806\,25$ AU $= 3,261\,563\,776\,9 \pm 6 \times 10^{-10}$ anni luce	= 3,085 677 581 3 $\times 10^{16}$ ± 6 $\times 10^6$ m