



AISR
ASSOCIAZIONE
ITALIANA
STAMPAGGIO
ROTAZIONALE

TABELLE DI CONVERSIONE
DELLE UNITA' DI MISURA

TABELLE DI CONVERSIONE DELLE UNITA' DI MISURA

Le grandezze nelle tabelle sono riportate in **forma esponenziale**: ogni valore è espresso dal prodotto tra una parte numerica arrotondata alla seconda cifra decimale e una potenza di 10.

Se il numero è minore di 1 l'esponente in base 10 è negativo, il che equivale a dividere per l'analoga potenza di 10. In particolare la potenza di 10 è espressa dalla notazione: E+.

Esempio:

Il numero $1.23E+03$ equivale a $1,23 \times 10$ elevato alla 3 = $1,23 \times 1000 = 1230$

Il numero $1,23E-03$ equivale a $1,23 / 10$ elevato alla 3 = $1,23 / 1000 = 0,00123$

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LUNGHEZZA

	Km	m	mm	mu	nm	A	in	ft	yd	mi	naut mi
km	1,00E+00	1,00E+03	1,00E+06	1,00E+09	1,00E+12	1,00E+13	3,94E+04	3,28E+03	1,09E+03	6,21E-01	5,40E-01
m	1,00E-03	1,00E+00	1,00E+03	1,00E+06	1,00E+09	1,00E+10	3,94E+01	3,28E+00	1,09E+00	6,21E-04	5,40E-04
mm	1,00E-06	1,00E-03	1,00E+00	1,00E+03	1,00E+06	1,00E+07	3,94E-02	3,28E-03	1,09E-03	6,21E-07	5,40E-07
mu	1,00E-09	1,00E-06	1,00E-03	1,00E+00	1,00E+03	1,00E+04	3,94E-05	3,28E-06	1,09E-06	6,21E-10	5,40E-10
nm	1,00E-12	1,00E-09	1,00E-06	1,00E-03	1,00E+00	1,00E+01	3,94E-08	3,28E-09	1,09E-09	6,21E-13	5,40E-13
A	1,00E-13	1,00E-10	1,00E-07	1,00E-04	1,00E-01	1,00E+00	3,94E-09	3,28E-10	1,09E-10	6,21E-14	5,40E-14
in	2,54E-05	2,54E-02	2,54E+01	2,54E+04	2,54E+07	2,54E+08	1,00E+00	8,33E-02	2,78E-02	1,58E-05	1,37E-05
ft	3,05E-04	3,05E-01	3,05E+02	3,05E+05	3,05E+08	3,05E+09	1,20E+01	1,00E+00	3,33E-01	1,89E-04	1,65E-04
yd	9,14E-04	9,14E-01	9,14E+02	9,14E+05	9,14E+08	9,14E+09	3,60E+01	3,00E+00	1,00E+00	5,68E-04	4,94E-04
mi	1,61E+00	1,61E+03	1,61E+06	1,61E+09	1,61E+12	1,61E+13	6,34E+04	5,28E+03	1,76E+03	1,00E+00	8,69E-01
naut mi	1,85E+00	1,85E+03	1,85E+06	1,85E+09	1,85E+12	1,85E+13	7,30E+04	6,08E+03	2,03E+03	1,15E+00	1,00E+00

Km	Chilometro	Kilometre
m	Metro	Meter
mm	Millimetro	Millimetre
mu	Micron	Micron
nm	Nanometro	Nanometre
A	Angstrom	Angstrom
in	Pollice	Inch
ft	Piede	Feet
yd	Yarda	Yard
mi	Miglio	Mile
naut mi	Miglio nautico	Nautic Mile

SUPERFICIE

	km quad	m quad	cm quad	mm quad	sq in	sqft
Km quad	1,00E+00	1,00E+06	1,00E+10	1,00E+12	1,55E+09	1,08E+07
m quad	1,00E-06	1,00E+00	1,00E+04	1,00E+06	1,55E+03	1,08E+01
cm quad	1,00E-10	1,00E-04	1,00E+00	1,00E+02	1,55E-01	1,08E-03
mm quad	1,00E-12	1,00E-06	1,00E-02	1,00E+00	1,55E-03	1,08E-05
sq in	6,45E-10	6,45E-04	6,45E+00	6,45E+02	1,00E+00	6,94E-03
sqft	9,29E-08	9,29E-02	9,29E+02	9,29E+04	1,44E+02	1,00E+00

Km quad	Chilometro quadrato	Square Kilometre
m quad	Metro quadrato	Square Meter
cm quad	Centimetro quadrato	Square Centimetre
mm quad	Millimetro quadrato	Square Millimetre
sq in	Pollice quadrato	Square Inch
sq ft	Piede quadrato	Square Feet

VOLUME

	m cub	l	cm cub	cub ft	cub in	pt	gal	qt
m cub	1,00E+00	1,00E+03	1,00E+06	3,53E+01	6,10E+04	1,76E+03	2,64E+02	3,44E+00
l	1,00E-03	1,00E+00	1,00E+03	3,53E-02	6,10E+01	1,76E+00	2,64E-01	3,44E-03
cm cub	1,00E-06	1,00E-03	1,00E+00	3,53E-05	6,10E-02	1,76E-03	2,64E-04	2,88E-02
cub ft	2,83E-02	2,83E+01	2,83E+04	1,00E+00	1,73E+03	4,98E+01	7,48E+00	9,75E-02
cub in	1,64E-05	1,64E-02	1,64E+01	5,79E-04	1,00E+00	2,88E-02	4,33E-03	5,64E-05
pt	5,68E-04	5,68E-01	5,68E+02	2,01E-02	3,47E+01	1,00E+00	1,50E-01	1,96E-03
gal	3,79E-03	3,79E+00	3,79E+03	1,34E-01	2,31E+02	6,66E+00	1,00E+00	1,30E-02
qt	2,91E-01	2,91E+02	2,91E+05	1,03E+01	1,77E+04	5,11E+02	7,68E+01	1,00E+00

M cub	Metro cubo	Cubic Meter
l	Litro	Liter
cm cub	Centimetro cubo	Cubic Centimetre
cub ft	Piede cubo	Cubic Feet
cub in	Pollice cubo	Cubic Inch
pt	Pinta	Pint
gal	Gallone	Gallon
qt	Quarto	Quarter

MASSA

	g	Kg	t	slug	amu	oz	lb
g	1,00E+00	1,00E-03	1,00E-06	6,85E-05	6,02E+23	3,53E-02	2,20E-03
Kg	1,00E+03	1,00E+00	1,00E-03	6,85E-02	6,02E+26	3,53E+01	2,20E+00
t	1,00E+06	1,00E+03	1,00E+00	6,85E+01	6,02E+29	3,53E+04	2,20E+03
slug	1,46E+04	1,46E+01	1,46E-02	1,00E+00	8,79E+27	5,16E+02	3,22E+01
amu	1,66E-24	1,66E-27	1,66E-30	1,14E-28	1,00E+00	5,87E-26	3,66E-27
2	2,83E+01	2,83E-02	2,83E-05	1,94E-03	1,70E+25	1,00E+00	6,24E-02
lb	4,54E+02	4,54E-01	4,54E-04	3,11E-02	2,73E+26	1,60E+01	1,00E+00

g	Grammo	Gram
Kg	Chilogrammo	Kilogram
t	Tonnellata	Ton
slug	Unità atomica di massa	Atomic Mass Unity
amu	Slug	Slug
oz	Oncia	Ounce
lb	Libbra	Pound

DENSITÀ'

	Kg/dm cub	g/cm cub	g/mm cub	lb/cub ft	lb/cub in	slug/cub ft
Kg/dm cub	1,00E+00	1,00E+00	1,00E+03	6,24E+01	3,61E-02	1,94E+00
g/cm cub	1,00E+00	1,00E+00	1,00E+03	6,24E+01	3,61E-02	1,94E+00
g/mm cub	1,00E-03	1,00E-03	1,00E+00	6,24E-02	3,61E-05	1,94E-03
lb/cub ft	1,60E-02	1,60E-02	1,60E+01	1,00E+00	5,78E-04	3,11E-02
lb/cub in	2,77E+01	2,77E+01	2,77E+04	1,73E+03	1,00E+00	5,37E+01
slug/cub ft	5,15E-01	5,15E-01	5,15E+02	3,22E+01	1,86E-02	1,00E+00

Kg/dm cub	Chilogrammi / Decimetri cubi	Kilograms / Cubic Decimetre
g/cm cub	Grammi / Centimetri cubi	Grams / Cubic Centimetre
g/mm cub	Grammi / Millimetri cubi	Grams / Cubic Millimetre
lb/cub ft	Libbre / Piedi cubi	Pounds / Cubic Feet
lb/cub in	Libbre / Pollici cubi	Pounds / Cubic Inch
slug/ cub ft	Slug / Piedi Cubi	Slug / Cubic Feet

PRESSIONE

	atm (phys)	atm (tech)	dyn/cm quad	bar	in water 4° C	cm Hg 0° C	pascal	lb/sq in	lb/sq ft
atm (phys)	1,00E+00	1,03E+00	1,01E+06	1,01E+00	4,07E+02	7,60E+01	1,01E+05	1,47E+01	2,12E+03
atm (tech)	9,68E-01	1,00E+00	9,81E+05	9,81E-01	3,94E+02	7,36E+01	9,81E+04	1,42E+01	2,05E+03
dyn/cm quad	9,87E-07	1,02E-06	1,00E+00	1,00E-06	4,01E-04	7,50E-05	1,00E-01	1,45E-05	2,09E-03
bar	9,87E-01	1,02E+00	1,00E+06	1,00E+00	4,01E+02	7,50E+01	1,00E+05	1,45E+01	2,09E+03
in water 4° C	2,46E-03	2,54E-03	2,49E+03	2,49E-03	1,00E+00	1,87E-01	2,49E+02	3,61E-02	5,20E+00
cm Hg 0° C	1,32E-02	1,36E-02	1,33E+04	1,33E-02	5,35E+00	1,00E+00	1,33E+03	1,93E-01	2,78E+01
pascal	9,87E-06	1,02E-05	1,00E+01	1,00E-05	4,02E-03	7,50E-04	1,00E+00	1,45E-04	2,11E-02
lb/sq in	6,81E-02	7,03E-02	6,90E+04	6,90E-02	2,77E+01	5,17E+00	6,90E+03	1,00E+00	1,44E+02
lb/sq ft	4,73E-04	4,88E-04	4,79E+02	4,79E-04	1,92E-01	3,59E-02	4,74E+01	6,94E-03	1,00E+00

Atm (puys)	Atmosfera (fisica)	Atmosphere (physic)
atm (tech)	Atmosfera (tecnica)	Atmosphere (Technical)
din/cm quad	Dina / Centimetri quadrati	Dyne / Square Centimetre
bar	Bar	Bar
in water 4° C	Pollici d'acqua a 4° Centigradi	Inches of Water at 4° Celsius
cm Hg 0° C	Centimetri di Mercurio a 0° C	Centimetre of Mercury at 0° Celsius
pascal	Pascal	Pascal
lb/sq in	Libbre / Pollici quadrati	Pounds / Square Inch
lb/sq ft	Libbre / Piedi quadrati	Pounds / Square Feet

FORZA

	dyn	Nw	lb	pdl	g f	Kg k
dyn	1,00E+00	1,00E-05	2,25E-06	7,23E-05	1,02E-03	1,02E-06
Nw	1,00E+05	1,00E+00	2,25E-01	7,23E+00	1,02E+02	1,02E-01
lb f	4,45E+05	4,45E+00	1,00E+00	3,22E+01	4,54E+02	4,54E-01
pdl	1,38E+04	1,38E-01	3,11E-02	1,00E+00	1,41E+01	1,41E-02
g f	9,81E+02	9,80E-03	2,21E-03	7,09E-02	1,00E+00	1,00E-03
Kg f	9,81E+05	9,81E+00	2,21E+00	7,09E+01	1,00E+03	1,00E+00

Dyn	Dina	Dyne
Nw	Newton	Newton
lb f	Libbra forza	Pound force
pdl	Poundal	Poundal
g f	Grammo forza	Gram force
Kg f	Chilogrammo forza	Kilogram force

TEMPO

	yr	d	h	min	s
yr	1,00E+00	3,65E+02	8,76E+03	5,26E+05	3,16E+07
d	2,74E-03	1,00E+00	2,40E+01	1,44E+03	8,64E+04
h	1,14E-04	4,17E-02	1,00E+00	6,00E+01	3,60E+03
min	1,90E-06	6,94E-04	1,67E-02	1,00E+00	6,00E+01
s	3,17E-08	1,16E-05	2,78E-04	1,67E-02	1,00E+00

Yr	anno	year
d	giorno	day
h	ora	hour
min	minuto	minute
s	secondo	second

VELOCITA'

	m/s	cm/s	Km/h	ft/s	mile/h
m/s	1,00E+00	1,00E+02	3,60E+00	3,28E+00	2,24E+00
cm/s	1,00E-02	1,00E+00	3,60E-02	3,28E-02	2,37E-02
Km/h	2,78E-01	2,78E+01	1,00E+00	9,11E-01	6,21E-01
ft/s	3,05E-01	3,05E+01	1,10E+00	1,00E+00	6,82E-01
mile/h	4,47E-01	4,47E+01	1,61E+00	1,47E+00	1,00E+00

m/s	Metri / Secondo	Meter/ Second
cm/s	Centimetri / Secondo	Centimeter / Second
Km/h	Chilometri / Ora	Kilometre / Hour
ft/s	Piedi / Secondo	Feet / Second
mile/h	Miglia / Ora	Mile / Hour

ENERGIA

	Btu	erg	ft x lb	hp x h	J	cal	Kw x h	eV	in x lb	kg f x m
Btu	1,00E+00	1,06E+10	7,78E+02	3,93E-04	1,06E+03	2,52E+02	2,93E-04	6,58E+21	9,33E+03	1,08E+02
erg	9,48E-11	1,00E+00	7,37E-08	3,72E-14	1,00E-07	2,39E-08	2,78E-14	6,24E+11	8,85E-07	1,02E-08
ft x lb	1,29E-03	1,36E+07	1,00E+00	5,05E-07	1,36E+00	3,24E-01	3,77E-07	8,46E+18	2,38E+07	1,38E-01
hp x h	2,55E+03	2,69E+13	1,98E+06	1,00E+00	2,69E+06	6,41E+05	7,46E-01	1,68E+25	2,38E+07	2,74E+05
J	9,48E-04	1,00E+07	7,37E-01	3,72E-07	1,00E+00	2,39E-01	2,78E-07	6,24E+18	8,85E+00	1,02E-01
cal	3,97E-05	4,19E+07	3,09E+00	1,56E-06	4,19E+00	1,00E+00	1,16E-06	2,61E+19	3,71E+01	4,27E-01
Kw x h	3,41E+03	3,60E+13	2,65E+06	1,34E+00	3,60E+06	8,60E+05	1,00E+00	2,25E+25	3,19E+07	3,67E+05
eV	1,52E-22	1,60E-12	1,18E-19	5,97E-26	1,60E-19	3,83E-20	4,45E-26	1,00E+00	1,42E-18	1,63E-20
in x lb	1,07E-04	1,13E+06	8,33E-02	4,21E-08	1,13E-01	2,70E-02	3,14E-08	7,05E+17	1,00E+00	1,15E-02
Kg f x m	9,30E-03	9,81E+07	7,23E+00	3,65E-06	9,81E+00	2,34E+00	2,73E-06	6,12E+19	8,68E+01	1,00E+00

Btu	Caloria inglese	British Thermal Unit
erg	Erg	Erg
ft x lb	Libbra x Piede	Feet x Pound
hp x h	Cavalli vapore x Ora	Horse Power x Hour
J	Joule	Joule
cal	Caloria	Calorie
Kw x h	Chilowattora	Kilowatt x Hour
ev	Elettronvolt	Electron Volt
in x lb	Libbra x Pollice	Inch x Pound
Kg f x m	Chilogrammo forza x Metro	Kilogram force x Meter

POTENZA

	Btu/h	ft x lb/s	hp	cal/s	kw	w
Btu/h	1,00E+00	2,16E-01	3,93E-04	7,00E-02	2,93E-04	2,93E-01
ft x lb/s	4,63E+00	1,00E+00	1,82E-03	3,24E-01	1,36E-03	1,36E+00
hp	2,55E+03	5,50E+02	1,00E+00	1,78E+02	7,46E-01	7,46E+02
cal/s	1,43E+01	3,09E+00	5,62E-03	1,00E+00	4,19E-03	4,19E+00
kw	3,41E+03	7,38E+02	1,34E+00	2,39E+02	1,00E+00	1,00E+03
w	3,41E+00	7,38E-01	1,34E-03	2,39E-01	1,00E-03	1,00E+00

Btu/h

Caloria inglese / Ora

British Thermal Unit / Hour

ft x lb/s

Piede x Libbra / Secondo

Feet x Pound / Second

hp

Cavallo Vapore

Horse Power

cal/s

Caloria / Secondo

Calorie / Second

kw w

Chilowatt Watt

Kilowatt Watt

CAMPO MAGNETICO

	gauss	m gauss	T	Wb/m quad
gauss	1,00E+00	1,00E+03	1,00E-04	1,00E-04
m gauss	1,00E-03	1,00E+00	1,00E-07	1,00E-07
T	1,00E+04	1,00E+07	1,00E+00	1,00E+00
Wb/m quad	1,00E+04	1,00E+07	1,00E+00	1,00E+00

Gauss

Gauss

Gauss

m gauss

Milli Gauss

Milli Gauss

T

Tesla

Tesla

Wb/m quad

Weber / Metro quadrato

Weber / Square Meter

CONDUCIBILITÀ' TERMICA

	cal/cm s °C	Kcal/m h °C	Btu/ft h °F	Btu/in/ft2 h °F	Btu/ft s °F	W/m °K	J/m s °K
cal/cm s °C	1,00E+00	3,60E+02	2,42E+02	2,91E+03	6,73E-02	4,19E+02	4,19E+02
Kcal/m h °C	2,78E-03	1,00E+00	6,72E-01	8,08E+00	1,87E-04	1,16E+00	1,16E+00
Btu/ft h °F	4,13E-03	1,49E+00	1,00E+00	1,20E+01	2,78E-04	1,73E+00	1,73E+00
Btu/in/ft2 h °F	3,44E-04	1,24E-01	8,32E-02	1,00E+00	2,31E-05	1,44E-01	1,44E-01
Btu/ft s °F	1,49E+01	5,36E+03	3,60E+03	4,33E+04	1,00E+00	6,23E+03	6,23E+03
W/m °K	2,39E-03	8,60E-01	5,78E-01	6,94E+00	1,61E-04	1,00E+00	1,00E+00
J/m s °K	2,39E-03	8,60E-01	5,78E-01	6,94E+00	1,61E-04	1,00E+00	1,00E+00

cal/cm s °C	Caloria / Centimetro Secondo ° Centigrado	Calorie / Centimetre Second ° Celsius
Kcal/m h °C	Chilocaloria / Metro Ora ° Centigrado	Kilocalorie / Meter Hour ° Celsius
Btu/ft h °F	Caloria Inglese / Piede Ora ° Fahrenheit	British Th. Unit / Feet Hour ° Fahrenheit
Btu/ft s °F	Caloria Inglese / Piede Secondo ° Fahrenheit	British Th. Unit / Feet Second ° Fahrenheit
w/m °K	Watt / Metro ° Kelvin	Watt / Meter ° Kelvin
J/m s °K	Joule / Metro Secondo ° Kelvin	Joule / Meter Second ° Kelvin

CALORE SPECIFICO

	cal/g	Btu/lb	Hp h/lb	Kw h/kg	J/Kg
cal/g	1,00E+00	1,80E+00	7,08E-04	1,16E-03	4,19E+03
Btu/lb	5,55E-01	1,00E+00	3,93E-04	6,46E-04	2,33E+03
Hp h/lb	1,41E+03	2,55E+03	1,00E+00	6,08E-01	5,92E+06
Kw h/kg	8,59E+02	1,55E+03	1,64E+00	1,00E+00	3,60E+06
J/Kg	2,39E-04	4,30E-04	1,69E-07	2,78E-07	1,00E+00

cal/g	Caloria / Grammo	Calorie / Gram
Btu/lb	Caloria inglese / Libbra	British Thermal Unit / Pound
Hp h/lb	Cavallo Vapore Ora / Libbra	Horse Power Hour / Pound
Kw h/Kg	Chilowattora / Chilogrammo	Kilowatt Hour / Kilogram
J/Kg	Joule / Chilogrammo	Joule / Kilogram

FLUSSO MAGNETICO

	Mx	Wb
Mx	1,00E+00	1,00E-04
Wb	1,00E+04	1,00E+00

Mx	Maxwell	Maxwell
Wb	Weber	Weber

VISCOSITÀ

	Poise	lb s/sq in	Pas	dyn s/cm quad	Psisec
Poise	1,00E+00	1,45E-05	1,00E-01	1,00E+00	1,45E-05
lb s/sq in	6,90E+04	1,00E+00	6,90E+03	6,90E+04	1,00E+00
Pas	1,00E+01	1,45E-04	1,00E+00	1,00E+01	1,45E-04
dyn s/cm quad	1,00E+00	1,45E-05	1,00E-01	1,00E+00	1,45E-05
Psisec	6,90E+04	1,00E+00	6,90E+03	6,90E+04	1,00E+00

Poise	Poise	Poise
lb s/sq in	Libbra Secondo / Pollice quadrato	Pound Second / Square Inch
Pas	Pas	Pas
dyn s/cm quad	Dina Secondo / Centimetro quadrato	Dyne Second / Square Centimetre
Psisec	Psisec	Psisec