

Dönüşüm Tabloları

Genel Bilgi

Uluslararası birim sistemine (SI) göre büyüklükler, temel birimler ve semboller:

Büyüklük	Birim	Sembol
Uzunluk	Metre	m
Ağırlık	Kilogram	Kg
Kuvvet	Newton	N
Zaman	Saniye	s
Elektrik Akımı	Amper	A

"10" 'un katları ve Kısaltmalar

Ön Takı	Kısaltma	"10" 'un katları	Ön Takı	Kısaltma	"10" 'un Katları
Deka	da	10 ¹	Dezi	d	10 ⁻¹
Hekto	h	10 ²	Zenti	c	10 ⁻²
Kilo	k	10 ³	Mili	m	10 ⁻³
Mega	M	10 ⁶	Mikro	μ	10 ⁻⁶
Giga	G	10 ⁹	Nano	n	10 ⁻⁹
Tera	T	10 ¹²	Piko	p	10 ⁻¹²

5. Conversion Tables

General Information

Quantities and their basic units in the international systems of measurements (SI):

Quantity	Basic Unit	Symbol
Length	Meter	m
Mass	Kilogram	Kg
Force	Newton	N
Time	Second	s
Electrical Current	Ampere	A

Decimal multiples and fractions of units

Prefix	Abbreviation	Factor	Prefix	Abbreviation	Factor
Deka	da	10 ¹	Dezi	d	10 ⁻¹
Hekto	h	10 ²	Zenti	c	10 ⁻²
Kilo	k	10 ³	Mili	m	10 ⁻³
Mega	M	10 ⁶	Mikro	μ	10 ⁻⁶
Giga	G	10 ⁹	Nano	n	10 ⁻⁹
Tera	T	10 ¹²	Piko	p	10 ⁻¹²

Güç Power		P[W]							
B	A	oz-in-s ⁻¹	oz-in-min ⁻¹	in-lbf-s ⁻¹	ft-lbf-s ⁻¹	Nm s ⁻¹ = W	mW	kpm s ⁻¹	mNm rpm
W= Nm s ⁻¹		7.06 . 10 ⁻³	1.17 . 10 ⁻⁴	0.113	1.356	1	1 . 10 ⁻³	9.807	1/60000
mW		7.06	0.117	112.9	1.356 . 10 ³	1 . 10 ³	1	9.807 . 10 ³	1/60
oz-in-s ⁻¹		1	1/60	16	192	141.6	0.142	1.39 . 10 ³	2.36 . 10 ⁻³
ft-lbf-s ⁻¹		1/192	1/11520	1/12	1	0.737	0.737 . 10 ⁻³	7.233	1.23 . 10 ⁻⁵
kpm-s ⁻¹		7.20 . 10 ⁻⁴	1.2 . 10 ⁻⁵	1.15 . 10 ⁻²	0.138	0.102	0.102 . 10 ⁻³	1	1.70 . 10 ⁻⁶

Moment Torque		M[Nm]							
B	A	oz-in	ft-lbf	Nm= Ws	Ncm	mNm	kpm	pcm	
Nm		7.06 . 10 ⁻³	1.356	1	1 . 10 ⁻²	1 . 10 ⁻³	9.807	9.807 . 10 ⁻⁵	
mNm		7.06	1.356 . 10 ³	1 . 10 ³	10	1	9.807 . 10 ³	9.807 . 10 ⁻²	
kpm		7.20 . 10 ⁻⁴	0.138	0.102	0.102 . 10 ⁻²	0.102 . 10 ⁻³	1	1 . 10 ⁻⁵	
oz-in		1	192	141.6	1.416	0.142	1.39 . 10 ³	1.39 . 10 ⁻²	
ft-lbf		1/192	1	0.737	0.737 . 10 ⁻²	0.737 . 10 ⁻³	7.233	7.233 . 10 ⁻⁵	

Ağırlık Mass						Kuvvet Force							
		m (kg)				F[N]							
B	A	oz	lb	gr (grain)	kg	g	B	A	oz	lbf	N	kp	p
kg		28.35 . 10 ⁻³	0.454	64.79 . 10 ⁻⁶	1	1 . 10 ³	N		0.278	4.448	1	9.807	9.807 . 10 ⁻³
g		28.35	0.454 . 10 ³	64.79 . 10 ⁻³	1 . 10 ³	1	kp		0.028	0.454	0.102	1	1 . 10 ⁻³
oz		1	16	2.28 . 10 ⁻³	35.27	35.27 . 10 ³	oz		1	16	3.600	35.27	35.27 . 10 ⁻³
lb		1/16	1	1/7000	2.205	2.205 . 10 ³	lbf		1/16	1	0.225	2.205	2.205 . 10 ⁻³
gr (grain)		437.5	7000	1	15.43 . 10 ³	15.43 . 10 ⁶	pdl		2.011	32.17	7.233	70.93	70.93 . 10 ⁻³

Length Uzunluk		l(m)							
B	A	in	ft	yd	Mil	m	cm	mm	μ
m		25.4 . 10 ⁻³	0.305	0.914	25.4 . 10 ⁻⁶	1	0.01	1 . 10 ⁻³	1 . 10 ⁻⁶
cm		2.54	30.5	91.4	25.4 . 10 ⁻⁴	1 . 10 ²	1	0.1	1 . 10 ⁻³
mm		25.4	305	914	25.4 . 10 ⁻³	1 . 10 ³	10	1	1 . 10 ⁻⁵
in		1	12	36	1 . 10 ⁻³	39.37	0.394	3.94 . 10 ⁻²	3.94 . 10 ⁻⁵
ft		1/12	1	3	1/12 . 10 ⁻³	3.281	3.281 . 10 ⁻²	3.281 . 10 ⁻³	3.281 . 10 ⁻⁶