



Technische Dokumentation:

ComNorm – Codierungen und Codelisten, Version 1.4

SM, Stand: 29.10.2015

Codierung von Attributen

In Attributlisten vorkommende Attribute dienen dazu, weitere (optionale) Informationen an gewissen Stellen anzuhängen, wo dafür keine eigenen Strukturelemente vorhanden sind.

Hinweise:

- Bis zur Version 1.2 wurden Attributlisten nur im Zusammenhang mit Produkteigenschaften verwendet. Neu gibt es solche auch bei den vom Anbieter generierten Dokumenten und deren Dokumentpositionen
- Existiert für ein Attribut noch kein Code, so kann ein eigener Codebezeichner gewählt werden, der aber mit dem Zeichen '_' beginnen muss (Bsp.: '_LETTERCOLOR').

Attribute für Produkteigenschaften

Code (AttributeCode)	Beschreibung/Text
ACCELERATION	Beschleunigung
ANGLE	Winkel
AREA	Fläche
COLOR	Farbe
CONDITIONSURL	Verweis zu Internetseite mit Konditionen (ab Version 1.035)
COUNT	Anzahl
CONCENTRATION	Konzentration
DEPTH	Grösse 3. Dimension, meist Tiefe, Dicke, Höhe
DIAMETER	Durchmesser
DENSITY	Dichte
DURATION	Zeitdauer
DIFFUSIONCOEFFICIENT	Diffusionskoeffizient
DRAWINGURL	Internetadresse einer Zeichnung
ELECTRICITY	Strom
ENERGY	Energie
ENTHALPY	Enthalpie
ENTROPY	Entropie
ELECTRICALCHARGE	Ladung
ELECTROMOTIVEFORCE	Spannung
ELECTRICFIELDSTRENGTH	Feldstärke
ELECTRICRESISTANCE	Widerstand
ELECTRICCONDUCTIVITY	Konduktivität
ELECTRICCAPACITANCE	Kapazität
FORCE	Kraft

FIBREDIRECTION	Material weist Faserungen oder Muster auf. Mögliche Werte: leer = Keine Faserung/Maserung, 'LENGTH' = Faserung der Länge nach, 'WIDTH' = Faserung der Breite nach, 'DEPTH' = Faserung der Dicke nach
FLOW	Fluss
FREQUENCY	Frequenz
GROSSWEIGHT	Bruttogewicht
INDUCTANCE	Induktivität
LENGTH	Grösse 1. Dimension, meist Länge
LUMINOUSINTENSITY	Lichtintensität
MASS	Masse
MASSFLOWRATE	Massenflussrate
MAGNETICFLUX	Magnetischer Fluss
MAGNETICFLUXDENSITY	Flussdichte
NETWEIGHT	Nettogewicht
NMKCODE	NMK-Code
PRESSURE	Druck
QUANTITY	Menge
RADIATION	Radioaktivität
RATIO	Anteil
PATTERNLENGTH	Material hat sich der Länge nach repetierendes Muster (Dekor, Textur). (Mögliche Werte: 0 = Muster wiederholt sich unregelmässig oder ist nicht bekannt, Wert>0 = Muster wiederholt sich im angegebenen Abstand)
PATTERNWIDTH	Material hat sich der Breite nach repetierendes Muster (Dekor, Textur). (Mögliche Werte: 0 = Muster wiederholt sich unregelmässig oder ist nicht bekannt, Wert>0 = Muster wiederholt sich im angegebenen Abstand)
PATTERNDEPTH	Material hat sich der Dicke nach repetierendes Muster (Dekor, Textur). (Mögliche Werte: 0 = Muster wiederholt sich unregelmässig oder ist nicht bekannt, Wert>0 = Muster wiederholt sich im angegebenen Abstand)
SCRAMPPRICE	Schrottpreis (ab Version 1.035)
SURFACETENSION	Belastung
SPECIFICWEIGHT	Spezifisches Gewicht (ab Version 1.035)
SPEED	Geschwindigkeit
TEMPERATURE	Temperatur
TEXTUREURL	Internetadresse einer Textur
TIME	Zeit
TIMEZONE	Zeitzone
THERMALCONDUCTIVITY	Wärmeleitfähigkeit
VOLUMETRICFLOWRATE	Volumenflussrate
VOLUME	Volumen
VISCOSITY	Viskosität
WEIGHTPERUNIT	Gewicht pro Basiseinheit (ab Version 1.035)
WIDTH	Grösse 2. Dimension, meist Breite

Hinweis zu FIBREDIRECTION, PATTERNLENGTH, PATTERNWIDTH, PATTERNDEPTH: Hat mindestens eines dieser Attribute sinnvolle Werte, so kann z.B. ein Schreiner-Branchenprogramm daraus schliessen, das das Produkt in der Zuschnittoptimierung nicht gedreht werden darf.

Attribute im Bereich Dokumentgenerierung (Ab Version 1.2)

Code (AttributeCode)	Beschreibung/Text
GTIN	Global Track Item Number. Von der GS1 (Global Standards One) verwaltete und vergebene Identifikationsnummer, mit der Produkte und Packstücke weltweit eindeutig identifiziert werden können. Schliesst auch den EAN-Code ein.
SSCC	Serial Shipping Container Code. Weltweit eindeutige Nummer zur Identifizierung einer Versandeinheit (z. B. Palette, Container, Karton etc.).
UCR	Unique Consignment Reference
GLN	Global Location Number zur eindeutigen, weltweit überschneidungsfreien Identifikation aller Unternehmen, Betriebe und Betriebsstellen.
GRAI	Global Returnable Asset Identifier zur eindeutigen, weltweit überschneidungsfreien Identifikation der Mehrwegtransportbehälter/ -verpackungen.
GIAI	Global Individual Asset Identifier zur eindeutigen, weltweit überschneidungsfreien Identifikation von Objekten.
GSRN	Global Service Relation Number zur eindeutigen, weltweit überschneidungsfreien Identifikation von Servicebeziehungen.
GDTI	Global Document Type Identifier zur eindeutigen, weltweit überschneidungsfreien Identifikation von Dokumenttypen mit einer optionalen seriellen Komponente.
GINC	Global Identification Number for Consignment zur eindeutigen, weltweit überschneidungsfreien Identifikation von Sendungen.
GSIN	Global Shipment Identification Number zur eindeutigen, weltweit überschneidungsfreien Identifikation von Lieferungen.

Diese Tabelle wird noch erweitert. Für die Mitteilung von sinnvollen, noch fehlenden Codes ist der Autor dankbar.

Codierung von Einheiten

Nachfolgend ein Ausschnitt aus der Einheitentabelle, wie sie das 'United Nations Centre for Trade Facilitation and Electronic Business' empfiehlt.

Verweis: http://www.unece.org/cefact/codesfortrade/codes_index.htm.

Hinweis: Obwohl aufgelistet, sollen Mehrfacheinheiten nicht verwendet werden (z.B. statt HK = 'hundred kilogram', besser mit KGM = 'kilogram' arbeiten und die Menge entsprechend anpassen).

Code (UnitCode)	Name	Symbol
A1	15° C calorie	cal15
AL	access line	
ACR	acre	acre
26	actual ton	
AH	additional minute	
MD	air dry metric ton	
ASM	alcoholic strength by mass	
ASU	alcoholic strength by volume	
AP	aluminium pound only	
AMP	ampere	A
AMH	ampere hour	A.h
A2	ampere per centimetre	A/cm
AE	ampere per metre	A/m
A3	ampere per millimetre	A/mm
A4	ampere per square centimetre	A/cm ²
A41	ampere per square metre	A/m ²
A6	ampere per square metre kelvin squared	A/(m ² .K ²)
A7	ampere per square millimetre	A/mm ²
A8	ampere second	A.s
A5	ampere square metre	A.m ²
A10	ampere square metre per joule second	A.m ² /(J.s)
73	ampere tum per centimetre	
AM	ampoule	
A11	ångström	Å
AQ	anti-hemophilic factor (AHF) unit	
ARE	are	a
AY	assembly	
AS	assortment	
A12	astronomical unit	AU
A13	attojoule	aJ
AI	average minute per call	
BG	bag	
BL	bale	
AA	ball	
D92	band	

BAR	bar	bar
BR	bar	
NB	barge	
A14	barn	b
A15	barn per electron volt	b/eV
A16	barn per steradian electron volt,	b/(sr.eV)
A17	barn per steradian	b/sr
BLL	barrel (US) (petroleum etc.)	barrel (US)
B1	barrel (US) per day	barrel (US/d)
5A	barrel per minute	barrel (US)/m
B4	barrel, imperial	
BB	base box	
BW	base weight	
BK	basket	
5B	batch	
B9	batt	
B3	batting pound	
D79	beam	
BQL	becquerel	Bq
A18	becquerel per kilogram	Bq/kg
A19	becquerel per metre cubed	Bq/m ³
E2	belt	
B5	billet	
BIL	billion (EUR)	
MLD	billion (US)	
2W	bin	
D64	block	
BD	board	
BFT	board foot	
4A	bobbin	
BT	bolt	
D63	book	
BO	bottle	
BX	box	
BHP	brake horse power	BHP
BTU	British thermal unit	Btu
2I	British thermal unit per hour	Btu/h
A23	British thermal unit per hour square foot	Btu/(h.ft ² .°R)

	degree Rankin	
AZ	British thermal unit per pound	Btu/lb
A21	British thermal unit per pound degree Rankin	Btu/(lb·°R)
A22	British thermal unit per second foot degree Rankin	Btu/(s·ft·°R)
A20	British thermal unit per second square foot degree Rankin	Btu/(s·ft ² ·°R)
BH	brush	
B0	Btu per cubic foot	BTU/ft ³
BJ	bucket	
VQ	bulk	
48	bulk car load	
AB	bulk pack	
B6	bun	
BE	bundle	
B2	bunk	
BUA	bushel (US)	bu (US)
BUI	bushel (UK)	bushel (UK)
AD	byte	
1D	caboose count	
1H	caboose mile	
KA	cake	
C0	call	
R4	calorie	
92	calorie per cubic centimetre	
93	calorie per gram	
CA	can	
CDL	candela	cd
A24	candela per square metre	cd/m ²
4B	cap	
AV	capsule	
NC	car	
1B	car count	
1A	car mile	
CO	carboy	
CG	card	
C4	carload	
CCT	carrying capacity in metric ton	
C2	carset	
CT	carton	
CQ	cartridge	
CS	case	
Z3	cask	
D66	cassette	
31	catch weight	

C6	cell	
CNT	cental (UK)	
CGM	centigram	cg
CLT	centilitre	cl
CMT	centimetre	cm
2M	centimetre per second	cm/s
C7	centipoise	cP
4C	centistokes	cSt
DTN	centner, metric	
X1	chain	ch
Z2	chest	
A25	cheval vapeur	CV
CL	coil	
C9	coil group	
II	column inch	
CZ	combo	
C1	composite product pound (total weight)	
CJ	cone	
Z6	conference point	
CK	connector	
CH	container	
HN	conventional millimetre of mercury	mm Hg
HP	conventional millimetre of water	mm H ₂ O
AJ	cop	
WCD	cord	
C5	cost	
COU	coulomb	C
A26	coulomb metre	C·m
A27	coulomb metre squared per volt	C·m ² /V
A28	coulomb per cubic centimetre	C/cm ³
A29	coulomb per cubic metre	C/m ³
A30	coulomb per cubic millimetre	C/mm ³
CKG	coulomb per kilogram	C/kg
A31	coulomb per kilogram second	C/(kg·s)
A32	coulomb per mole	C/mol
A33	coulomb per square centimetre	C/cm ²
A34	coulomb per square metre	C/m ²
A35	coulomb per square millimetre	C/mm ²
IT	count per centimetre	
IC	count per inch	
5K	count per minute	
CV	cover	
CR	crate	

CMQ	cubic centimetre	cm ³
A36	cubic centimetre per mole	cm ³ /mol
2J	cubic centimetre per second	cm ³ /s
DMQ	cubic decimetre	dm ³
A37	cubic decimetre per mole	dm ³ /mol
36	cubic feet per minute per square foot	ft ³ /(min/ft ²)
FTQ	cubic foot	ft ³
2K	cubic foot per hour	ft ³ /h
2L	cubic foot per minute	ft ³ /min
INQ	cubic inch	in ³
MTQ	cubic metre	m ³
D90	cubic metre (net)	
A38	cubic metre per coulomb	m ³ /C
MQH	cubic metre per hour	m ³ /h
A39	cubic metre per kilogram	m ³ /kg
A40	cubic metre per mole	m ³ /mol
MQS	cubic metre per second	m ³ /s
MMQ	cubic millimetre	mm ³
YDQ	cubic yard	yd ³
CU	cup	
CUR	curie	Ci
A42	curie per kilogram	Ci/kg
94	curl unit	
B7	cycle	
CY	cylinder	
DQ	data record	
DAY	day	d
A43	deadweight tonnage	
DE	deal	
DEC	decade	
DJ	decagram	dag
A44	decalitre	dal
A45	decametre	dam
DAA	decare	daa
2N	decibel	dB
DG	decigram	dg
DLT	decilitre	dl
22	decilitre per gram	dl/g
DMT	decimetre	dm
DN	decinewton metre	dN.m
A47	decitex	dtex (g/10km)
DTN	decitonne	dt
DD	degree	°
CEL	degree Celsius	°C
FAH	degree Fahrenheit	°F
A48	degree Rankin	°R
A49	denier	den (g/9 km)

DY	directory book	
DC	disk (disc)	
DI	dispenser	
DPT	displacement tonnage	
DS	display	
D67	dollar per hour	
DZN	dozen	DOZ
DZP	dozen pack	
DPR	dozen pair	
DPC	dozen piece	
DRL	dozen roll	
DRM	drachm (UK)	
D8	draize score	
DRI	dram (UK)	
DRA	dram (US)	
DR	drum	
BLD	dry barrel (US)	bbl (US)
GLD	dry gallon (US)	dry gal (US)
PTD	dry pint (US)	dry pt (US)
DB	dry pound	
QTD	dry quart (US)	dry qt (US)
DT	dry ton	
A50	dyn second per cubic centimetre	dyn·s/cm ³
DU	dyne	dyn
DX	dyne per centimetre	dyn/cm
D9	dyne per square centimeter	dyn/cm ²
A51	dyne second per centimetre	dyn·s/cm
A52	dyne second per centimetre to the fifth	dyn·s/cm ⁵
EA	each	
EC	each per month	
P8	eight pack	
EB	electronic mail box	
A53	electronvolt	eV
A54	electronvolt per metre	eV/m
A55	electronvolt square metre	eV·m ²
A56	electronvolt square metre per kilogram	eV·m ² /kg
EP	eleven pack	
1E	empty car	
EV	envelope	
EQ	equivalent gallon	
A57	erg	erg
A58	erg per centimetre	erg/cm
A60	erg per cubic centimetre	erg/cm ³
A61	erg per gram	erg/g
A62	erg per gram second	erg/g.s
A63	erg per second	erg/s

A64	erg per second square centimetre	erg/(s.cm ²)
A65	erg per square centimetre second	erg/(cm ² ·s)
A66	erg square centimetre	erg·cm ²
A67	erg square centimetre per gram	erg·cm ² /g
A68	exajoule	EJ
63	failure rate in time	
FAR	farad	F
A69	farad per metre	F/m
AK	fathom	
A70	femtojoule	fJ
A71	femtometre	fm
F9	fibre per cubic centimetre of air	
FB	field	
98	fifteen kg drum	
47	fifty lb bag	
46	fifty lb bulk bag	
18	fiftyfive gallon (US) drum	
P5	five pack	
44	fivehundred kg bulk bag	
11	fixed rate	
FL	flake ton	
OZI	fluid ounce (UK)	fl oz (UK)
OZA	fluid ounce (US)	fl oz (US)
FOT	foot	ft
FR	foot per minute	ft/min
FS	foot per second	ft/s
A73	foot per second squared	ft/s ²
85	foot pound-force	ft.lbf
A74	foot pound-force per second	ft.lbf/s
S3	foot squared per second	ft ² /s
21	forty foot container	
P4	four pack	
A75	freight ton	
1G	fuel usage gallon (US)	
GZ	gage system	
A76	gal	Gal
GLI	gallon (UK)	gal (UK)
GLL	gallon (US)	gal (US)
GB	gallon (US) per day	gal(US)/d
GW	gallon per thousand cubic feet	
5C	gallon(US) per thousand	
76	gauss	Gs
A77	Gaussian CGS unit of displacement	
A78	Gaussian CGS unit of electric current	

A79	Gaussian CGS unit of electric charge	
A80	Gaussian CGS unit of electric field strength	
A81	Gaussian CGS unit of electric polarization	
A82	Gaussian CGS unit of electric potential	
A83	Gaussian CGS unit of magnetization	
GBQ	gigabecquerel	GBq
A84	gigacoulomb per cubic metre	GC/m ³
A85	gigaelectronvolt	GeV
A86	gigahertz	GHz
GV	gigajoule	GJ
A87	gigaohm	G
A88	gigaohm metre	G.m
A89	gigapascal	GPa
A90	gigawatt	GW
GWH	gigawatt hour	GW.h
GII	gill (UK)	
GIA	gill (US)	
A91	gon	gon
GRN	grain	gr
GRM	gram	g
GFI	gram of fissile isotope	
GF	gram per metre (gram per 100 centimetres)	g/m
GC	gram per 100 gram	
23	gram per cubic centimetre	g/cm ³
A93	gram per cubic metre	g/m ³
GK	gram per kilogram	
GL	gram per litre	g/l
GJ	gram per millilitre	g/ml
A94	gram per mole	g/mol
25	gram per square centimetre	g/cm ²
GM	gram per square metre	g/m ²
A95	gray	Gy
A96	gray per second	Gy/s
GGR	great gross	
GRO	gross	gr
GD	gross barrel	
GN	gross gallon	
E4	gross kilogram	
GRT	gross register ton	
GT	gross ton	
GY	gross yard	
10	group	
HD	half dozen	
GH	half gallon (US)	

HT	half hour	
H2	half litre	
H1	half page - electronic	
PV	half pint (US)	
SAN	half year (6 months)	
HA	hank	
08	heat lot	
HAR	hectare	ha
HBA	hectobar	hbar
HGM	hectogram	hg
HLT	hectolitre	hl
HPA	hectolitre of pure alcohol	
HMT	hectometre	hm
A97	hectopascal	hPa
81	henry	H
A98	henry per metre	H/m
HTZ	hertz	Hz
Z4	hogshead	
30	horse power day per air dry metric ton	
HUR	hour	h
CEN	hundred	
BP	hundred board feet	
HBX	hundred boxe	
HC	hundred count	
HH	hundred cubic feet	
FF	hundred cubic metre	
HF	hundred feet	
HL	hundred feet (linear)	
16	hundred fifteen kg drum	
HIU	hundred international unit	
HK	hundred kilogram	
17	hundred lb drum	
CLF	hundred leave	
YL	hundred linear yard	
CNP	hundred pack	
CWA	hundred pounds (cwt)/ hundred weight (US)	cwt (US)
HI	hundred sheet	
HS	hundred square feet	
HO	hundred troy ounce	
CWI	hundred weight (UK)	cwt (UK)
HY	hundred yard	
HE	hundredth of a carat	
5J	hydraulic horse power	
G3	Imperial gallon per minute	gal(UK)/min
IM	impression	
INH	inch	in
INQ	inch cubed	in ³
IL	inch per minute	

IU	inch per second (linear speed)	in/s
IV	inch per second squared (acceleration)	in/s ²
IA	inch pound (pound inch)	in.lb
D69	inch to the fourth power	in ⁴
IF	inches of water	
IP	insurance policy	
D70	International Table (IT) calorie	calIT
D75	International Table (IT) calorie per gram	calIT/g
D76	International Table (IT) calorie per gram kelvin	calIT/(g.K)
D71	International Table (IT) calorie per second centimetre kelvin	calIT/(s.cm.K)
D72	International Table (IT) calorie per second square centimetre kelvin	calIT/(s.cm ² .K)
JR	jar	
JO	joint	
JOU	joule	J
B8	joule per cubic metre	J/m ³
D95	joule per gram	J/g
JE	joule per kelvin	J/K
J2	joule per kilogram	J/kg
B11	joule per kilogram kelvin	J/(kg.K)
B12	joule per metre	J/m
B13	joule per metre squared	J/m ²
B14	joule per metre to the fourth power	J/m ⁴
B15	joule per mole	J/mol
B16	joule per mole kelvin	J/(mol.K)
B18	joule second	J.s
D73	joule square metre	J.m ²
B20	joule square metre per kilogram	J.m ² /kg
JG	jug	
JB	jumbo	
KG	keg	
KEL	kelvin	K
B21	kelvin per watt	K/W
B22	kiloampere	kA
B23	kiloampere per square metre	kA/m ²
B24	kiloampere per metre	kA/m
KBA	kilobar	kbar
2Q	kilobecquerel	kBy
B25	kilobecquerel per kilogram	kBq/kg
2P	kilobyte	
KB	kilocharacter	

B26	kilocoulomb	kC
B27	kilocoulomb per cubic metre	kC/m ³
B28	kilocoulomb per square metre	kC/m ²
2R	kilocurie	kCi
B29	kiloelectronvolt	keV
78	kilogauss	kGs
KGM	kilogram	kg
KD	kilogram decimal	
B31	kilogram metre per second	kg.m/s
B32	kilogram metre squared	kg.m ²
B33	kilogram metre squared per second	kg.m ² /s
KNS	kilogram named substance	
KNI	kilogram of nitrogen	
KPP	kilogram of phosphorus pentoxide (phosphoric anhydride)	
KPH	kilogram of potassium hydroxide (caustic potash)	
KPO	kilogram of potassium oxide	
KSH	kilogram of sodium hydroxide (caustic soda)	
KSD	kilogram of substance 90 % dry	
KUR	kilogram of uranium	
32	kilogram per air dry metric ton	
B34	kilogram per cubic decimetre	kg/dm ³
KMQ	kilogram per cubic metre	kg/m ³
3H	kilogram per kilogram of product	
B35	kilogram per litre	kg/l or kg/L
KL	kilogram per metre	kg/m
KI	kilogram per millimetre width	
D74	kilogram per mole	kg/mol
3I	kilogram per piece of product	
KGS	kilogram per second	kg/s
D5	kilogram per square centimeter	
28	kilogram per square metre	kg/m ²
B37	kilogram-force	kgf
B38	kilogram-force metre	kgf.m
B39	kilogram-force metre per second	kgf.m/s
B40	kilogram-force per square metre	kgf/m ²
KW	kilograms per millimeter	kg/mm
KHZ	kilohertz	kHz
KJO	kilojoule	kJ
B41	kilojoule per kelvin	kJ/K

B42	kilojoule per kilogram	kJ/kg
B43	kilojoule per kilogram kelvin	kJ/(kg.K)
B44	kilojoule per mole	kJ/mol
K6	kilolitre	kl
4X	kilolitre per hour	kl/h
KTM	kilometre	km
KMH	kilometre per hour	km/h
B45	kilomole	kmol
B46	kilomole per cubic metre	kmol/m ³
B47	kilonewton	kN
B48	kilonewton metre	kN.m
B49	kiloohm	k
B50	kiloohm metre	k.m
KF	kilopacket	
KPA	kilopascal	kPa
33	kilopascal square metres per gram	kPa.m ² /g
34	kilopascals per millimetre	kPa/mm
B51	kilopond	kp
84	kilopound per square inch	klb/in ²
KR	kiloröntgen	kR
B52	kilosecond	ks
KJ	kilosegment	
B53	kilosiemens	kS
B54	kilosiemens per metre	kS/m
KTN	kilotonne	kt
KVR	kilovar	kvar
KVT	kilovolt	kV
KVA	kilovolt - ampere	kV.A
K5	kilovolt ampere (reactive)	
K2	kilovolt ampere reactive demand	
K3	kilovolt ampere reactive hour	
B55	kilovolt per metre	kV/m
KWT	kilowatt	kW
K1	kilowatt demand	
KWH	kilowatt hour	kW.h
B56	kiloweber per metre	kWb/m
KT	kit	
KNT	knot	kn
LH	labour hour	
LJ	large spray	
LR	layer	
LEF	leaf	
LN	length	
05	lift	
Z1	lift van	
B57	light year	l.y.
LC	linear centimetre	

LF	linear foot	
LI	linear inch	
LM	linear metre	
LY	linear yard	
LX	linear yard per pound	
LK	link	
PTL	liquid pint (US)	liq pt (US)
LP	liquid pound	
QTL	liquid quart (US)	liq qt (US)
LE	lite	
LTR	litre	l
LPA	litre of pure alcohol	
LD	litre per day	
L2	litre per minute	l/min
B58	litre per mole	l/mol
NL	load	
1C	locomotive count	
1K	locomotive mile	
LO	lot	
Z5	lug	
LUM	lumen	lm
B59	lumen hour	lm.h
B60	lumen per square metre	lm/m ²
B61	lumen per watt	lm/W
B62	lumen second	lm.s
LS	lump sum	
LUX	lux	lx
B63	lux hour	lx.h
B64	lux second	lx.s
MA	machine per unit	
M0	magnetic tape	
3C	manmonth	
D98	mass pound	
MT	mat	
B65	maxwell	Mx
Q3	meal	
MAL	mega litre	MI
B66	megaampere per square metre	MA/m ²
4N	megabecquerel	MBq
B67	megabecquerel per kilogram	MBq/kg
4L	megabyte	
D77	megacoulomb	MC
B69	megacoulomb per cubic metre	MC/m ³
B70	megacoulomb per square metre	MC/m ²
B71	megaelectronvolt	MeV
2U	megagram	Mg
B72	megagram per cubic metre	Mg/m ³

2V	megagram per hour	Mg/h
MHZ	megahertz	MHz
3B	megajoule	MJ
JM	megajoule per cubic metre	MJ/m ³
JK	megajoule per kilogram	MJ/kg
MAM	megametre	Mm
B73	meganewton	Mn
B74	meganewton metre	MN.m
B75	megaohm	M
B76	megaohm metre	M.m
MPA	megapascal	MPa
B77	megasiemens per metre	MS/m
B78	megavolt	MV
MVA	megavolt - ampere	MV.A
B79	megavolt per metre	MV/m
MAW	megawatt	MW
MWH	megawatt hour (1000 kW.h)	MW.h
57	mesh	
NF	message	
NH	message hour	
MTR	metre	m
MTQ	metre cubed	m ³
D18	metre kelvin	m.K
2X	metre per minute	m/min
MTS	metre per second	m/s
MSK	metre per second squared	m/s ²
S4	metre squared per second (square metres/second US)	m ² /s
B83	metre to the fourth power	m ⁴
CTM	metric carat	
GT	metric gross ton	
HJ	metric horse power	metric hp
E5	metric long ton	
NT	metric net ton	
TNE	metric ton	
NQ	mho	
B84	microampere	µA
M7	micro-inch	µin
B85	microbar	µbar
B86	microcoulomb	µC
B87	microcoulomb per cubic metre	µC/m ³
B88	microcoulomb per square metre	µC/m ²
M5	microcurie	µCi
4O	microfarad	µF
B89	microfarad per metre	µF/m
G7	microfiche sheet	
MC	microgram	µg

GQ	microgram per cubic meter	$\mu\text{g}/\text{m}^3$
B90	microhenry	μH
B91	microhenry per metre	$\mu\text{H}/\text{m}$
4G	microlitre	μl
4H	micrometre (micron)	μm
NR	micromho	
FH	micromole	μmol
B92	micronewton	μN
B93	micronewton metre	$\mu\text{N}\cdot\text{m}$
B94	microohm	μ
B95	microohm metre	$\mu\cdot\text{m}$
B96	micropascal	μPa
B97	microradian	μrad
B98	microsecond	μs
B99	microsiemens	μS
D81	microtesla	μT
D82	microvolt	μV
C3	microvolt per metre	$\mu\text{V}/\text{m}$
D80	microwatt	μW
D85	microwatt per square metre	$\mu\text{W}/\text{m}^2$
SMI	mile (statute mile)	mile
HM	mile per hour	mile/h
4K	milliampere	mA
77	milli-inch	mil
MLD	milliard	
MBR	millibar	mbar
D86	millicoulomb	mC
D88	millicoulomb per cubic metre	mC/m^3
C8	millicoulomb per kilogram	mC/kg
D89	millicoulomb per square metre	mC/m^2
MCU	millicurie	mCi
KO	milliequivalence caustic potash per gram of product	
C10	millifarad	mF
C11	milligal	mGal
MGM	milligram	mg
GP	milligram per cubic metre	mg/m^3
4M	milligram per hour	mg/h
NA	milligram per kilogram	
C12	milligram per metre	mg/m
MF	milligram per square foot per side	
MK	milligram per square inch	mg/in^2
M1	milligrams per litre	mg/l
GO	milligrams per square metre	mg/m^2
C13	milligray	mGy
C14	millihenry	mH
C15	millijoule	mJ

MLT	millilitre	ml
WW	millilitre of water	
KX	millilitre per kilogram	ml/kg
41	millilitre per minute	ml/min
40	millilitre per second	ml/s
35	millilitres per square centimetre second	$\text{ml}/(\text{cm}^2\cdot\text{s})$
MMT	millimetre	mm
C16	millimetre per second	mm/s
C17	millimetre squared per second	mm^2/s
C18	millimole	mmol
D87	millimole per kilogram	mmol/kg
C20	millinewton	mN
D83	millinewton metre	$\text{mN}\cdot\text{m}$
C22	millinewton per metre	mN/m
C23	milliohm metre	$\text{m}\cdot\text{m}$
MIO	million	
M9	million Btu per 1000 cubic feet	MBTU/kft^2
BZ	million BTUs	
FM	million cubic feet	Mft^3
HMQ	million cubic metre	Mm^3
MIU	million international unit	
FD	million particle per cubic foot	
UM	million unit	
74	millipascal	mPa
C24	millipascal second	$\text{mPa}\cdot\text{s}$
C25	milliradian	mrad
2Y	milliröntgen	mR
C26	millisecond	ms
C27	millisiemens	mS
C28	millisievert	mSv
C29	millitesla	mT
2Z	millivolt	mV
D49	millivolt per kelvin	mV/K
C30	millivolt per metre	mV/m
C31	milliwatt	mW
C32	milliwatt per square metre	mW/m^2
C33	milliweber	mWb
D61	minute	'
MIN	minute	min
5E	MMSCF/day	
C34	mole	mol
C35	mole per cubic decimetre	mol/dm^3
C36	mole per cubic metre	mol/m^3
C19	mole per kilogram	mol/kg
C38	mole per litre	mol/l
M4	monetary value	
MON	month	

ZZ	mutually defined	
C39	nanoampere	nA
C40	nanocoulomb	nC
C41	nanofarad	nF
C42	nanofarad per metre	nF/m
C43	nanohenry	nH
C44	nanohenry per metre	nH/m
C45	nanometre	nm
C46	nanoohm metre	n.m
C47	nanosecond	ns
C48	nanotesla	nT
C49	nanowatt	nW
NMI	nautical mile	n mile
C50	neper	Np
C51	neper per second	Np/s
ND	net barrel	
NG	net gallon (us)	
NI	net imperial gallon	
58	net kilogram	
NE	net litre	
NTT	net register ton	
NT	net ton	
STN	net ton (2000 lb)	
Z8	newspage agate line	
NEW	newton	N
NU	newton metre	N·m
C53	newton metre second	N·m·s
C54	newton metre squared kilogram squared	N·m²/kg²
4P	newton per metre	N/m
C55	newton per square metre	N/m²
C56	newton per square millimetre	N/mm²
C57	newton second	N·s
C58	newton second per metre	N·s/m
P9	nine pack	
NAR	number of articles	
NBB	number of bobbins	
NCL	number of cells	
NIU	number of international units	
N2	number of lines	
MV	number of mults	
NMP	number of packs	
NPR	number of pairs	
NPL	number of parcels	
NPT	number of parts	
NRL	number of rolls	
NJ	number of screens	
C59	octave	
66	oersted	Oe

OHM	ohm	
C60	ohm centimetre	.cm
C61	ohm metre	.m
C62	one	
ONZ	ounce	oz
OZ	ounce av	
4R	ounce foot	oz·ft
4Q	ounce inch	oz·in
37	ounce per square foot	oz/ft²
ON	ounce per square yard	oz/yd²
38	ounces per square foot per 0,01 inch	oz/(ft²/cin)
11	outfit	
OT	overtime hour	
PK	pack	
PA	packet	
PD	pad	
ZP	page	
P0	page - electronic	
QA	page - facsimile	
QB	page - hardcopy	
PQ	page per inch	
PL	pail	
PR	pair	
PB	pair inch	
PF	pallet (lift)	
D97	pallet/unit load	
OA	panel	
C63	parsec	pc
61	part per billion (US)	
59	part per million	ppm
NX	part per thousand	
PAL	pascal	Pa
C64	pascal per kelvin	Pa/K
C65	pascal second	Pa.s
C66	pascal second per cubic metre	Pa.s/m³
C67	pascal second per metre	Pa.s/m
PZ	peck dry (UK)	
PY	peck dry (US)	
N1	pen calorie	
D23	pen gram (protein)	
DWT	pennyweight	
P1	percent	
62	percent per 1000 hour	
60	percent weight	
IE	person	
C68	petajoule	PJ
C69	phon	

R1	pica	
C70	picoampere	pA
C71	picrocoulomb	pC
4T	picofarad	pF
C72	picofarad per metre	pF/m
C73	picohenry	pH
C52	picometre	pm
C75	picowatt	pW
C76	picowatt per square metre	pW/m ²
C62	piece	
PTI	pint (UK)	pt (UK)
PT	pint (US)	
PI	pitch	
PG	plate	
89	poise	P
LBR	pound	lb
PE	pound equivalent	
C77	pound gage	
D96	pound gross	
PN	pound net	
NY	pound per air dry metric ton	
87	pound per cubic foot	lb/ft ³
LA	pound per cubic inch	lb/in ³
P2	pound per foot	lb/ft
GE	pound per gallon (US)	lb/gal (US)
4U	pound per hour	lb/h
PO	pound per inch of length	lb/in
PW	pound per inch of width	
3G	pound per piece of product	
3E	pound per pound of product	
RP	pound per ream	
FP	pound per square foot	lb/ft ²
64	pound per square inch, gauge	
29	pound per thousand square feet	lb/kft ²
PM	pound percentage	
C78	pound-force	lbf
PS	pound-force per square inch	lbf/in
80	pounds per square inch absolute	lb/in ²
5F	pounds per thousand	
AW	powder filled vial	
N3	print point	
PGL	proof gallon	
5G	pump	
QTI	quart (UK)	qt (UK)
QT	quart (US)	
QAN	quarter (of a year)	
QTR	quarter (UK)	

QD	quarter dozen	
QH	quarter hour	
QK	quarter kilogram	
1X	quarter mile	
DTN	quintal, metric	
QR	quire	
RA	rack	
C80	rad	rad
C81	radian	rad
C82	radian meter squared per mole	rad.m ² /mol
C83	radian metre squared per kilogram	rad. m ² /kg
C84	radian per metre	rad/m
2A	radian per second	rad/s
2B	radian per second squared	rad/s ²
A9	rate	
13	ration	
RM	ream	
RN	ream metric measure	
C85	reciprocal ångström	Å ⁻¹
C86	reciprocal cubic metre	m ⁻³
C87	reciprocal cubic metre per second	m ⁻³ /s
C88	reciprocal electron volt per cubic metre	eV ⁻¹ /m ³
C89	reciprocal henry	H ⁻¹
C90	reciprocal joule per cubic metre	J ⁻¹ /m ³
C91	reciprocal kelvin or kelvin to the power minus one	K ⁻¹
C92	reciprocal metre	m ⁻¹
C93	reciprocal metre squared	m ⁻²
B81	reciprocal metre squared reciprocal second	m ⁻² /s
C94	reciprocal minute	min ⁻¹
C95	reciprocal mole	mol ⁻¹
C96	reciprocal pascal or pascal to the power minus one	Pa ⁻¹
C97	reciprocal second	s ⁻¹
C98	reciprocal second per cubic metre	s ⁻¹ /m ³
C99	reciprocal second per metre squared	s ⁻¹ /m ²
D1	reciprocal second per steradian	s ⁻¹ /sr
D2	reciprocal second per steradian metre squared	s ⁻¹ /(sr.m ²)
C93	reciprocal square metre	m ⁻²
RL	reel	
D91	rem	rem
RS	reset	

RT	revenue ton mile	
RPM	revolutions per minute	r/min
RPS	revolutions per second	r/s
RG	ring	
RD	rod	
RO	roll	
RK	roll metric measure	
2C	röntgen	R
D6	röntgen per second	R/s
D65	round	
RU	run	
RH	running or operating hour	
SA	sack	
D7	sandwich	
90	Saybold universal second	
SCO	score	
SCR	scruple	
D62	second	"
SEC	second	s
D93	second per cubic metre	s/m ³
D94	second per radian cubic metre	s/(rad·m ³)
SE	section	
SG	segment	
5P	seismic level	
5Q	seismic line	
S6	session	
SET	set	
P7	seven pack	
ST	sheet	
SS	sheet metric measure	
SP	shelf package	
SX	shipment	
SHT	shipping ton	
SST	short standard (7200 matches)	
14	shot	
SIE	siemens	S
D10	siemens per metre	S/m
D12	siemens square metre per mole	S·m ² /mol
D13	sievert	Sv
56	sitas	
P6	six pack	
S5	sixty fourths of an inch	
SW	skein	
SV	skid	
D99	sleeve	
SL	slipsheet	
04	small spray	

SD	solid pound	
D15	sone	
SK	split tanktruck	
SO	spool	
SQ	square	
CMK	square centimetre	cm ²
D16	square centimetre per erg	cm ² /erg
D17	square centimetre per steradian erg	cm ² /(sr·erg)
DMK	square decimetre	dm ²
FTK	square foot	ft ²
S3	square foot per second	ft ² /s
INK	square inch	in ²
KMK	square kilometre	km ²
MTK	square metre	m ²
D19	square metre kelvin per watt	m ² ·K/W
D20	square metre per joule	m ² /J
D21	square metre per kilogram	m ² /kg
D22	square metre per mole	m ² /mol
S4	square metre per second	m ² /s
D24	square metre per steradian	m ² /sr
D25	square metre per steradian joule	m ² /(sr·J)
D26	square metre per volt second	m ² /(V·s)
MIK	square mile	mile ²
MMK	square millimetre	mm ²
SN	square rod	
YDK	square yard	yd ²
5H	stage	
WSD	standard	
S8	standard advertising unit	
ATM	standard atmosphere	atm
5I	standard cubic foot	
D27	steradian	sr
15	stick	
91	stokes	St
STI	stone (UK)	
S7	storage unit	
SR	strip	
43	super bulk bag	
AR	suppository	
D28	syphon	
U2	tablet	
19	tank truck	
TY	tank, cylindrical	
TK	tank, rectangular	
ATT	technical atmosphere	at
UB	telecommunication line in service average	

T0	telecommunication line in service	
UC	telecommunication port	
DAD	ten day	
97	ten kg drum	
TP	ten pack	
TPR	ten pair	
TR	ten square feet	
TF	ten square yard	
96	ten thousand gallon (US) tankcar	
UH	ten thousand yard	
YT	ten yard	
TA	tenth cubic foot	
UE	tenth hour	
UD	tenth minute	
D29	terahertz	THz
D30	terajoule	TJ
D31	terawatt	TW
D32		TW·h
D33	tesla	T
69	test specific scale	
D34	tex	tex (g/km)
53	theoretical kilograms	
24	theoretical pound	
27	theoretical ton	
54	theoretical tonne	
TD	therm	
D35	thermochemical calorie	calth
B36	thermochemical calorie per gram	calth/g
D37	thermochemical calorie per gram kelvin	calth/(g·K)
D38	thermochemical calorie per second centimetre kelvin	calth/(s·cm·K)
D39	thermochemical calorie per second square centimetre kelvin	calth/(s·cm ² ·K)
MIL	thousand	
TAH	kiloampere hour (thousand ampere hour)	kA.h
T4	thousand bag	
MBF	thousand board feet	
T5	thousand casing	
FC	thousand cubic feet	kft ³
F1	thousand cubic feet per day	
R9	thousand cubic metre	
TQD	thousand cubic metre per day	km ³ /d
TQ	thousand feet	
TL	thousand feet (linear)	

T6	thousand gallon (US)	
T7	thousand impression	
TV	thousand kilogram	
T8	thousand linear inch	
TT	thousand linear metre	
D14	thousand linear yard	
D40	thousand litre	
MQ	thousand metre	
T3	thousand piece	
T1	thousand pound gross	
KS	thousand pound per square inch	
TW	thousand sheet	
TJ	thousand square centimetre	
TS	thousand square feet	
TI	thousand square inch	
MBE	thousand standard brick equivalent	
P3	three pack	
45	threehundred kg bulk bag	
TN	tin	
LTN	ton (UK) or longton (US)	ton (UK)
STN	ton (US) or short ton (UK/US)	ton (US)
1J	ton mile	
TSH	ton of steam per hour	
4W	ton(US) per hour	ton(US)/h
TNE	tonne (metric ton)	t
TSD	tonne of substance 90 % dry	
D41	tonne per cubic metre	t/m ³
UA	torr	Torr
1L	total car count	
	total car mile	
TE	tote	
FE	track foot	
E3	trailer	
NN	train	
1F	train mile	
FG	transdermal patch	
PU	tray / tray pack	
U1	treatment	
TRL	trillion (EUR)	
D42	tropical year	atrop
APZ	troy ounce or apothecaries' ounce	tr oz
LBT	troy pound (US)	
TC	truckload	
TU	tube	
20	twenty foot container	
4E	twenty pack	

95	twenty thousand gallon (US) tankcar	
OP	two pack	
W4	two week	
D43	unified atomic mass unit	u
C62	unit	
G2	US gallon per minute	gal(US)/min
UF	usage per telecommunication line average	
D44	var	var
NV	vehicle	
VI	vial	
VS	visit	
VL	volt	V
D45	volt squared per kelvin squared	V ² /K ²
D46	volt - ampere	V·A
VA	volt ampere per kilogram	VA/kg
71	volt ampere per pound	
D47	volt per centimetre	V/cm
D48	volt per kelvin	V/K
D50	volt per metre	V/m
D51	volt per millimetre	V/mm
WTT	watt	W
WHR	watt hour	W·h
D52	watt per kelvin	W/K
WA	watt per kilogram	W/kg
D53	watt per metre kelvin	W/(m·K)
72	watt per pound	
D54	watt per square metre	W/m ²
D55	watt per square metre kelvin	W/(m ² ·K)
D56	watt per square metre kelvin to the fourth power	W/(m ² ·K ⁴)
D57	watt per steradian	W/sr
D58	watt per steradian square metre	W/(sr·m ²)
WEB	weber	Wb
D59	weber per metre	Wb/m
D60	weber per millimetre	Wb/mm
WEE	week	
WI	weight per square inch	
W2	wet kilo	
WB	wet pound	
WE	wet ton	
WH	wheel	
WG	wine gallon	
WM	working month	
WR	wrap	
YRD	yard	yd
ANN	year	a