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Diverse tabellen

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Gebruikelijke formule voor het berekenen van het gewicht per meter van roestvrij stalen buizen

Formule conventionnelle pour le calcul du poids au mètre des tubes en acier inoxydable

Gebräuchliche Formel zum Gewichtberechnung per Meter von Edelstahlrohre

Usual formula to calculate the weight per meter of stainless steel tubes & pipes

$$P = (D - s) \times s \times 0,02504$$

P = Kg/meter
 D = Diameter uitwendig in mm.
 s = theoretische wanddikte in mm.

P = Kg/mètre
D = Diamètre extérieur en mm.
s = Epaisseur théorique en mm.

P = Kg/Meter
D = Aussendurchmesser in mm.
s = theoretische Wanddicke in mm.

P = Kg/meter
D = Outside diameter in mm.
s = theoretical wallthickness in mm.

Gebruikelijke formule voor het berekenen van de inhoud per meter van roestvast stalen buizen

Formule conventionnelle pour le calcul du contenu au mètre des tubes en acier inoxydable

Gebräuchliche Formel zum Fassungsvermögenberechnung per Meter von Edelstahlrohre

Usual formula to calculate the capacity per meter of stainless steel tubes & pipes

$$C = d^2 \times 0,0007854$$

C = liters per meter
 d = binnendiameter in mm.

C = litres par mètre
d = diamètre intérieur en mm.

C = Liters per Meter
d = Innendurchmesser in mm.

C = liters per meter
d = inside diameter in mm.

ROESTVAST STALEN BUIS VOLGENS ANSI EN DIN
TUBES EN ACIER INOXYDABLE ANSI ET DIN
 EDELSTAHLROHRE ANSI UND DIN
STAINLESS STEEL TUBES & PIPES ANSI AND DIN

D = diam. uitw. in mm.
D = diam. ext. en mm.
 D = Aussendurchm. in mm.
D = outside diam. in mm.

w = wanddikte in mm.
w = épaisseur en mm.
 w = Wanddicke in mm.
w = wallthickness in mm.

D	x	w	20°	100°	150°	200°	250°	300°	350°	400°
6,00	x	0,50	209	175	172	156	145	136	130	124
6,00	x	1,00	418	350	383	347	323	304	290	278
6,00	x	1,50	627	525	649	588	548	515	491	471
6,35	x	0,71	280	235	239	216	201	190	181	173
6,35	x	0,89	352	294	311	281	262	247	235	225
6,35	x	1,24	490	410	467	423	394	371	353	339
6,35	x	1,65	652	546	685	621	578	544	518	497
8,00	x	0,50	157	131	125	114	106	100	95	91
8,00	x	1,00	314	263	272	246	229	216	205	197
8,00	x	1,50	470	394	444	402	374	352	335	322
8,00	x	2,00	627	525	649	588	548	515	491	471
8,00	x	2,50	784	656	900	815	759	714	680	652
9,53	x	0,71	187	156	152	138	128	120	115	110
9,53	x	0,89	234	196	195	177	164	155	147	141
9,53	x	1,24	326	273	285	258	240	226	215	206
9,53	x	1,65	434	364	401	364	339	319	304	291
10,00	x	1,00	251	210	210	191	177	167	159	152
10,00	x	1,50	376	315	337	305	284	267	255	244
10,00	x	2,00	502	420	482	437	406	382	364	349
10,00	x	2,50	627	525	649	588	548	515	491	471
10,20	x	2,00	492	412	470	426	396	373	355	340
10,20	x	2,60	639	535	667	605	563	530	505	484

D	x	w	20°	100°	150°	200°	250°	300°	350°	400°
10,29	x	1,24	302	253	260	236	220	207	197	189
10,29	x	1,73	422	353	387	351	327	307	293	281
10,29	x	2,41	587	492	594	538	501	471	449	430
11,00	x	1,00	228	191	189	171	159	150	143	137
11,00	x	1,50	342	286	301	272	254	239	227	218
11,00	x	2,00	456	382	427	387	360	339	323	309
12,00	x	1,00	209	175	172	156	145	136	130	124
12,00	x	1,50	314	263	272	246	229	216	205	197
12,00	x	2,00	418	350	383	347	323	304	290	278
12,00	x	2,50	523	438	508	460	429	403	384	368
12,70	x	0,71	140	117	111	101	94	88	84	81
12,70	x	0,89	176	147	142	129	120	113	107	103
12,70	x	1,24	245	205	205	186	173	163	155	148
12,70	x	1,56	326	273	284	257	240	225	215	206
13,00	x	1,50	289	242	248	224	209	196	187	179
13,50	x	1,60	297	249	255	231	215	203	193	185
13,50	x	2,00	372	311	332	301	280	263	251	241
13,50	x	2,35	437	366	404	366	341	321	306	293
13,72	x	1,65	302	253	260	235	219	206	196	188
13,72	x	2,24	410	343	373	338	315	296	282	271
13,72	x	3,02	552	462	546	495	461	433	413	396



DRUK-TEMPERATUURTABEL °C IN BAR

TABLEAU PRESSION-TEMPERATURE °C EN BAR

DRUCK-TEMPERATURTABELLE °C IN BAR

PRESSURE-TEMPERATURETABLE °C IN BAR

D	x	w	20°	100°	150°	200°	250°	300°	350°	400°	D	x	w	20°	100°	150°	200°	250°	300°	350°	400°
14,00	x	1,00	179	150	145	131	122	115	110	105	26,90	x	1,60	149	125	119	108	100	94	90	86
14,00	x	1,50	269	225	227	206	192	181	172	165	26,90	x	2,00	186	156	151	137	128	120	115	110
14,00	x	2,00	358	300	318	288	268	252	240	230	26,90	x	2,30	214	180	177	160	149	140	134	128
14,00	x	2,50	448	375	417	378	352	331	315	302	26,90	x	2,60	242	203	202	183	171	161	153	147
14,00	x	3,00	538	450	527	478	445	418	399	382	26,90	x	3,20	298	250	256	232	216	203	194	186
15,00	x	1,00	167	140	135	122	114	107	102	98	26,90	x	4,00	373	312	333	302	281	265	252	242
15,00	x	1,50	251	210	210	191	177	167	159	152	28,00	x	1,00	90	75	69	63	59	55	53	50
15,00	x	2,00	334	280	293	265	247	232	221	212	28,00	x	1,50	134	113	106	96	90	84	80	77
15,00	x	2,50	418	350	383	347	323	304	290	278	28,00	x	2,00	179	150	145	131	122	115	110	105
15,88	x	0,89	141	118	112	101	94	89	84	81	28,00	x	4,00	358	300	318	288	268	252	240	230
15,88	x	1,24	196	164	160	145	135	127	121	116	28,00	x	5,00	448	375	417	378	352	331	315	302
15,88	x	1,65	261	218	220	199	185	174	166	159	30,00	x	1,00	84	70	65	59	55	51	49	47
16,00	x	1,00	157	131	125	114	106	100	95	91	30,00	x	1,50	125	105	99	90	83	78	75	72
16,00	x	1,50	235	197	196	177	165	155	148	142	30,00	x	2,00	167	140	135	122	114	107	102	98
16,00	x	2,00	314	263	272	246	229	216	205	197	30,00	x	2,50	209	175	172	156	145	136	130	124
16,00	x	2,50	392	328	354	321	299	281	268	257	30,00	x	3,00	251	210	210	191	177	167	159	152
17,00	x	1,00	148	124	118	107	99	93	89	85	30,00	x	4,00	334	280	293	265	247	232	221	212
17,00	x	1,50	221	185	183	166	154	145	138	133	30,00	x	5,00	418	350	383	347	323	304	290	278
17,15	x	1,65	241	202	201	183	170	160	152	146	31,75	x	1,65	130	109	103	93	87	82	78	75
17,15	x	2,31	338	283	296	269	250	235	224	215	31,80	x	1,25	99	83	77	70	65	61	58	56
17,15	x	3,20	468	392	441	400	372	350	333	320	32,00	x	1,20	94	79	73	66	62	58	55	53
17,20	x	1,60	233	195	194	176	164	154	147	141	32,00	x	1,50	118	98	92	84	78	73	70	67
17,20	x	2,00	292	244	250	226	211	198	189	181	32,00	x	2,00	157	131	125	114	106	100	95	91
17,20	x	2,30	335	281	294	266	248	233	222	213	32,00	x	2,50	196	164	160	145	135	127	121	116
18,00	x	1,00	139	117	111	100	93	88	84	80	32,00	x	3,50	274	230	233	211	196	185	176	169
18,00	x	1,50	209	175	172	156	145	136	130	124	33,00	x	1,50	114	95	89	81	75	71	68	65
18,00	x	2,00	279	233	237	215	200	188	179	172	33,40	x	1,65	124	104	98	88	82	78	74	71
19,00	x	1,50	198	166	162	147	136	128	122	117	33,40	x	2,77	208	174	171	155	144	136	129	124
19,05	x	0,89	117	98	92	83	78	73	70	67	33,40	x	3,38	254	213	213	193	180	169	161	155
19,05	x	1,24	163	137	131	119	111	104	99	95	33,40	x	4,55	342	286	300	272	253	238	227	218
19,05	x	1,65	217	182	179	162	151	142	135	130	33,40	x	6,35	477	399	451	409	381	358	341	327
19,05	x	2,11	278	233	236	214	199	187	179	171	33,40	x	9,09	683	572	732	664	618	581	554	531
20,00	x	1,00	125	105	99	90	83	78	75	72	33,70	x	2,00	149	125	119	108	100	94	90	86
20,00	x	1,50	188	158	153	139	129	121	116	111	33,70	x	2,60	194	162	158	143	133	125	119	114
20,00	x	2,00	251	210	210	191	177	167	159	152	33,70	x	3,20	238	199	198	180	167	158	150	144
20,00	x	2,50	314	263	272	246	229	216	205	197	33,70	x	4,05	301	252	259	235	219	206	196	188
20,00	x	3,00	376	315	337	305	284	267	255	244	34,00	x	1,00	74	62	57	51	48	45	43	41
20,00	x	4,00	502	420	482	437	406	382	364	349	34,00	x	1,50	111	93	87	79	73	69	66	63
20,00	x	5,00	627	525	649	588	548	515	491	471	34,00	x	2,00	148	124	118	107	99	93	89	85
21,30	x	2,00	236	197	196	178	165	156	148	142	34,00	x	5,00	369	309	329	298	278	261	249	238
21,30	x	2,60	306	256	264	239	223	210	200	191	35,00	x	1,50	108	90	84	76	71	67	64	61
21,30	x	3,20	377	315	337	306	285	268	255	245	35,00	x	2,00	143	120	114	103	96	90	86	83
21,34	x	1,65	194	162	158	143	133	125	120	115	35,00	x	2,50	179	150	145	131	122	115	110	105
21,34	x	2,11	248	208	208	188	175	165	157	151	35,00	x	5,00	358	300	318	288	268	252	240	230
21,34	x	2,77	326	273	284	257	239	225	215	206	36,00	x	2,00	139	117	111	100	93	88	84	80
21,34	x	3,73	438	367	406	368	343	322	307	294	36,00	x	3,00	209	175	172	156	145	136	130	124
21,34	x	4,75	558	467	554	502	468	440	419	402	38,00	x	1,50	99	83	77	70	65	61	58	56
21,34	x	7,47	878	735	1078	977	909	856	815	781	38,00	x	2,00	132	111	104	95	88	83	79	76
22,00	x	1,00	114	95	89	81	75	71	68	65	38,00	x	2,50	165	138	133	120	112	105	100	96
22,00	x	1,50	171	143	138	125	116	109	104	100	38,00	x	3,00	198	166	162	147	136	128	122	117
22,00	x	2,00	228	191	189	171	159	150	143	137	38,00	x	4,00	264	221	223	202	188	177	169	162
22,00	x	2,50	285	239	243	220	205	193	184	176	38,00	x	5,00	330	276	288	261	243	229	218	209
22,00	x	3,00	342	286	301	272	254	239	227	218	38,10	x	1,24	82	68	63	57	53	50	48	46
22,00	x	4,00	456	382	427	387	360	339	323	309	38,10	x	1,65	109	91	85	77	72	67	64	62
23,00	x	1,50	164	137	131	119	111	104	99	95	38,10	x	3,40	224	187	185	168	156	147	140	134
24,00	x	2,00	209	175	172	156	145	136	130	124	40,00	x	1,00	63	53	48	44	41	38	36	35
24,00	x	7,00	732	613	810	734	684	643	613	587	40,00	x	1,50	94	79	73	66	62	58	55	53
25,00	x	1,00	100	84	78	71	66	62	59	57	40,00	x	2,00	125	105	99	90	83	78	75	72
25,00	x	1,50	151	126	120	109	101	95	91	87	40,00	x	2,50	157	131	125	114	106	100	95	91
25,00	x	2,00	201	168	164	149	138	130	124	119	40,00	x	3,00	188	158	153	139	129	121	116	111
25,00	x	2,50	251	210	210	191	177	167	159	152	40,00	x	4,00	251	210	210	191	177	167	159	152
25,00	x	3,00	301	252	259	235	218	206	196	188	40,00	x	5,00	314	263	272	246	229	216	205	197
25,00	x	5,00	502	420	482	437	406	382	364	349	41,00	x	4,00	245	205	205	185	173	162	155	148
25,40	x	1,25	123	103	97	88	82	77	74	71	42,16	x	1,65	98	82	76	69	64	61	58	55
25,40	x	1,65	163	136	131	119	110	104	99	95	42,16	x	2,77	165	138	132	120	112	105	100	96
25,40	x	2,11	208	174	171	155	144	136	129	124	42,16	x	3,56	212	177	174	158	147	138	132	126
25,40	x	3,40	336	281	294	267	248	233	222	213	42,16	x	4,85	289	242	247	224	208	196	187	179
26,67	x	1,65	155	130	124	112	105	9													

DRUK-TEMPERATUURTABEL °C IN BAR

TABLEAU PRESSION-TEMPERATURE °C EN BAR

DRUCK-TEMPERATURTABELLE °C IN BAR

PRESSURE-TEMPERATURETABLE °C IN BAR

D	x	w	20°	100°	150°	200°	250°	300°	350°	400°	D	x	w	20°	100°	150°	200°	250°	300°	350°	400°
44,50	x	1,50	85	71	65	59	55	52	49	47	88,90	x	2,00	45	38	34	31	29	27	26	25
44,50	x	2,00	113	94	88	80	75	70	67	64	88,90	x	2,30	65	54	50	45	42	39	38	36
44,50	x	2,50	141	118	112	101	94	89	85	81	88,90	x	2,60	73	61	56	51	48	45	43	41
44,50	x	3,00	169	142	136	123	115	108	103	99	88,90	x	2,90	65	55	51	46	43	40	38	37
45,00	x	1,00	56	47	43	39	36	34	32	31	88,90	x	3,20	90	76	70	63	59	56	53	51
48,26	x	1,65	86	72	66	60	56	53	50	48	88,90	x	4,05	114	96	90	81	76	71	68	65
48,26	x	2,77	144	121	115	104	97	91	87	83	88,90	x	4,50	127	106	100	91	85	80	76	73
48,26	x	3,68	191	160	156	141	131	124	118	113	88,90	x	5,00	141	118	112	102	95	89	85	81
48,26	x	5,08	264	221	223	202	188	177	169	162	88,90	x	2,11	60	50	46	41	38	36	34	33
48,26	x	7,14	371	311	331	300	280	263	251	240	88,90	x	3,05	86	72	67	60	56	53	50	48
48,30	x	2,00	104	87	81	73	68	64	61	59	88,90	x	5,49	155	130	124	112	105	98	94	90
48,30	x	2,60	135	113	107	97	90	85	81	78	88,90	x	7,62	215	180	177	160	149	141	134	128
48,30	x	2,90	151	126	120	109	101	95	91	87	88,90	x	11,13	314	263	272	247	230	216	206	197
48,30	x	3,20	166	139	134	121	113	106	101	97	101,60	x	1,50	37	31	28	25	24	22	21	20
48,30	x	4,05	210	176	173	157	146	137	131	125	101,60	x	2,00	49	41	38	34	32	30	28	27
50,00	x	1,00	50	42	38	35	32	30	29	28	101,60	x	4,00	99	83	77	70	65	61	58	56
50,00	x	1,50	75	63	58	53	49	46	44	42	101,60	x	5,00	123	103	97	88	82	77	74	71
50,00	x	2,00	100	84	78	71	66	62	59	57	101,60	x	2,11	52	44	40	36	33	32	30	29
50,00	x	5,00	251	210	210	191	177	167	159	152	101,60	x	3,05	75	63	58	53	49	46	44	42
50,00	x	5,50	276	231	234	212	198	186	177	170	101,60	x	5,74	142	119	113	102	95	89	85	82
50,80	x	1,24	61	51	47	42	40	37	35	34	101,60	x	8,08	199	167	163	148	138	129	123	118
50,80	x	1,65	81	68	63	57	53	50	48	46	103,00	x	1,50	29	24	22	20	19	18	17	16
50,80	x	3,40	168	141	135	122	114	107	102	98	104,00	x	2,00	39	32	29	27	25	23	22	21
50,80	x	1,50	74	62	57	52	48	45	43	41	105,00	x	2,50	48	40	37	33	31	29	28	26
50,80	x	2,00	99	83	77	70	65	61	58	56	106,00	x	2,70	64	53	49	44	41	39	37	35
50,80	x	2,50	123	103	97	88	82	77	74	71	106,00	x	3,00	57	48	44	40	37	35	33	32
51,00	x	2,50	123	103	79	88	82	77	73	70	108,00	x	2,00	37	31	28	26	24	22	21	20
51,00	x	2,90	143	119	113	103	96	90	86	82	108,00	x	3,00	56	47	43	39	36	34	32	31
52,00	x	1,00	48	40	37	33	31	29	28	27	108,00	x	4,00	93	78	72	65	61	57	55	52
52,00	x	1,50	72	61	56	50	47	44	42	40	108,00	x	4,00	116	97	91	83	77	72	69	66
53,00	x	1,50	71	59	55	49	46	43	41	40	114,30	x	2,11	46	39	35	32	30	28	27	26
54,00	x	2,00	93	78	72	65	61	57	55	52	114,30	x	3,05	67	56	51	47	43	41	39	37
57,00	x	1,50	66	55	51	46	43	40	38	37	114,30	x	6,02	132	111	105	95	88	83	79	76
57,00	x	2,00	88	74	68	62	58	54	52	49	114,30	x	8,56	188	157	153	138	129	121	115	111
57,00	x	2,50	110	92	86	78	73	68	65	62	114,30	x	13,49	296	248	254	230	214	202	192	184
57,00	x	2,90	128	107	101	91	85	80	76	73	114,30	x	2,00	35	29	27	24	22	21	20	19
57,00	x	5,00	220	184	182	165	153	144	137	132	114,30	x	2,60	57	48	44	39	37	35	33	32
60,30	x	2,00	83	70	64	58	54	51	49	47	114,30	x	3,60	79	66	61	55	51	48	46	44
60,30	x	2,60	108	91	85	77	71	67	64	61	114,30	x	4,50	99	83	77	70	65	61	58	56
60,30	x	2,90	121	101	95	86	80	75	72	69	114,30	x	5,40	119	99	93	84	79	74	70	68
60,30	x	3,60	150	125	119	108	101	95	90	87	121,00	x	4,00	83	69	64	58	54	51	48	46
60,30	x	4,50	187	157	152	138	128	121	115	110	128,00	x	1,50	24	20	18	16	15	14	13	13
60,33	x	1,65	69	57	53	48	44	42	40	38	129,00	x	2,00	31	26	24	21	20	19	18	17
60,33	x	2,77	115	96	90	82	76	72	68	66	130,00	x	2,50	39	32	29	27	25	23	22	21
60,33	x	3,91	163	136	130	118	110	104	99	95	131,00	x	3,00	46	38	35	32	30	28	27	25
60,33	x	5,54	230	193	191	173	161	152	145	139	133,00	x	3,00	45	38	35	31	29	27	26	25
60,33	x	8,71	362	303	322	292	271	255	243	233	133,00	x	4,00	75	63	58	53	49	46	44	42
63,50	x	1,50	59	50	45	41	38	36	34	33	139,00	x	2,00	29	24	22	20	18	17	16	16
63,50	x	2,00	79	66	61	55	51	48	46	44	139,70	x	2,50	36	30	27	25	23	22	21	20
63,50	x	2,60	103	86	80	73	68	64	61	58	139,70	x	3,00	43	36	33	30	28	26	25	24
70,00	x	2,00	72	60	55	50	46	44	42	40	139,70	x	4,00	57	48	44	40	37	35	33	32
70,00	x	2,50	90	75	69	63	59	55	53	50	141,30	x	2,77	49	41	37	34	32	30	28	27
70,00	x	3,00	108	90	84	76	71	67	64	61	141,30	x	3,40	60	51	46	42	39	37	35	33
73,03	x	2,11	72	61	56	51	47	44	42	40	141,30	x	6,35	113	94	88	80	75	70	67	64
73,03	x	3,05	105	88	82	74	69	65	62	59	141,30	x	9,53	169	142	136	123	115	108	103	99
73,03	x	5,16	177	148	143	130	121	114	108	104	153,00	x	1,50	20	16	15	13	12	12	11	11
73,03	x	7,01	241	202	201	182	169	159	152	146	154,00	x	2,00	26	22	20	18	17	16	15	14
75,00	x	2,50	84	70	65	59	55	51	49	47	155,00	x	2,50	32	27	25	22	21	19	19	18
76,10	x	1,50	49	41	38	34	32	30	28	27	156,00	x	3,00	39	32	29	27	25	23	22	21
76,10	x	2,00	66	55	51	46	43	40	38	37	158,00	x	4,00	51	43	39	35	33	31	29	28
76,10	x	2,60	86	72	66	60	56	53	50	48	159,00	x	2,00	25	21	19	17	16	15	14	14
76,10	x	2,90	96	80	74	67	63	59	56	54	159,00	x	3,00	38	32	29	26	24	23	22	21
76,10	x	3,60	119	99	93	85	79	74	71	68	159,00	x	4,50	71	59	55	49	46	43	41	40
76,10	x	4,50	148	124	118	107	100	94	89	86	168,28	x	2,77	41	35	31	28	26	25	24	23
76,10	x	5,00	165	138	132	120	112	105	100	96	168,28	x	3,40	51	42	39	35	33	31	29	28
76,20	x	1,65	54	45	41	38	35	33	31	30	168,28	x	7,11	106	89	83	75	70	66	63	60
83,00	x	1,50	36	30	28	25	23	22	21	20	168,28	x	10,97	164	137	131	119	111	104	99	95
84,00	x	2,00	48	40	37	33	31	29	28	26	168,30	x	2,00	24	20	18	16	15	14	14	13
85,00	x	2,50	59	49	45	41	38	36	34	33	168,30	x	2,50	30	25	23	20	19	18	17	16
86,00	x	3,00	70	59	54	49	46	43	41	39	168,30	x	3,00	36	30	27	25	23	22	21	20
											168,30	x	4,00	48	40	36	33				

DRUK-TEMPERATUURTABEL °C IN BAR

TABLEAU PRESSION-TEMPERATURE °C EN BAR

DRUCK-TEMPERATURTABELLE °C IN BAR

PRESSURE-TEMPERATURETABLE °C IN BAR

D	x	w	20°	100°	150°	200°	250°	300°	350°	400°
179,00	x	2,00	22	19	17	15	14	13	13	12
204,00	x	2,00	20	16	15	13	12	12	11	11
205,00	x	2,50	24	20	18	17	16	15	14	13
206,00	x	3,00	29	24	22	20	19	18	17	16
208,00	x	4,00	39	32	29	27	25	23	22	21
219,08	x	2,77	32	27	24	22	20	19	18	17
219,08	x	3,76	43	36	33	30	28	26	25	24
219,08	x	6,35	73	61	56	51	47	44	42	41
219,08	x	8,18	94	78	73	66	61	58	55	53
219,08	x	12,70	145	122	116	105	98	92	88	84
219,10	x	2,00	18	15	14	12	12	11	10	10
219,10	x	3,00	27	23	21	19	18	16	16	15
254,00	x	2,00	16	13	12	11	10	9	9	9
255,00	x	2,50	20	16	15	13	12	12	11	11
256,00	x	3,00	24	20	18	16	15	14	13	13
258,00	x	4,00	31	26	24	21	20	19	18	17
273,00	x	2,00	15	12	11	10	9	9	8	8
273,00	x	2,50	18	15	14	13	12	11	10	10
273,00	x	3,00	22	18	17	15	14	13	13	12
273,00	x	4,00	29	25	22	20	19	18	17	16
273,05	x	3,40	31	26	24	21	20	19	18	17
273,05	x	4,19	38	32	29	26	25	23	22	21
273,05	x	6,35	58	49	45	40	38	35	34	32
273,05	x	9,27	85	71	66	60	56	52	50	48
273,05	x	12,70	117	98	92	83	77	73	69	66
304,00	x	2,00	13	11	10	9	8	8	7	7
305,00	x	2,50	16	14	12	11	10	10	9	9
306,00	x	3,00	20	16	15	13	12	12	11	11
308,00	x	4,00	26	22	20	18	17	16	15	14
323,85	x	3,96	31	26	23	21	20	18	18	17
323,85	x	4,75	35	30	27	24	23	21	20	19
323,85	x	6,35	49	41	37	34	32	30	28	27
323,85	x	9,53	74	62	57	51	48	45	43	41
323,85	x	12,70	98	82	77	69	65	61	58	56
323,90	x	2,00	12	10	9	8	8	7	7	7
323,90	x	2,50	15	13	12	11	10	9	9	8
323,90	x	3,00	19	16	14	13	12	11	11	10
323,90	x	4,00	25	21	19	17	16	15	14	14
355,00	x	2,50	14	12	11	10	9	8	8	8
355,60	x	3,96	28	23	21	19	18	17	16	15
355,60	x	4,78	34	28	25	23	21	20	19	18
355,60	x	7,92	56	47	43	39	36	34	32	31
355,60	x	9,53	67	56	52	47	44	41	39	37
355,60	x	12,70	90	75	69	63	59	55	53	50
356,00	x	3,00	17	14	13	12	11	10	10	9
358,00	x	4,00	22	19	17	15	14	13	13	12
406,00	x	3,00	15	12	11	10	9	9	8	8
406,40	x	4,19	26	22	19	18	16	15	15	14
406,40	x	4,78	30	25	22	20	19	18	17	16
406,40	x	7,92	49	41	37	34	31	30	28	27
406,40	x	9,53	59	49	45	41	38	36	34	33
406,40	x	12,70	78	66	60	55	51	48	46	44
408,00	x	4,00	20	16	15	13	12	12	11	11
456,00	x	3,00	13	11	10	9	8	8	7	7
457,20	x	4,19	23	19	17	16	15	14	13	13
457,20	x	4,78	26	22	20	18	17	16	15	14
457,20	x	7,92	43	36	33	30	28	26	25	24
457,20	x	9,53	52	44	40	36	34	32	30	29
457,20	x	12,70	70	58	54	49	45	42	40	39
458,00	x	4,00	18	15	13	12	11	10	10	10
506,00	x	3,00	12	10	9	8	8	7	7	6
508,00	x	4,00	16	13	12	11	10	9	9	9
508,00	x	4,78	24	20	18	16	15	14	13	13
508,00	x	5,54	27	23	21	19	17	16	16	15
508,00	x	9,53	47	39	36	32	30	28	27	26
508,00	x	12,70	63	53	48	44	41	38	36	35
558,80	x	4,78	21	18	16	15	14	13	12	12
558,80	x	5,54	25	21	19	17	16	15	14	14
558,80	x	9,53	43	36	32	29	27	26	25	24
558,80	x	12,70	57	48	44	39	37	35	33	32
606,00	x	3,00	10	8	7	7	6	6	6	5
608,00	x	4,00	13	11	10	9	8	8	7	7
609,60	x	5,54	23	19	17	16	14	14	13	12
609,60	x	6,35	26	22	20	18	17	16	15	14
609,60	x	9,53	39	33	30	27	25	24	22	22
609,60	x	12,70	52	44	40	36	34	32	30	29

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CHEMISCHE SAMENSTELLING
COMPOSITION CHIMIQUE
 CHEMISCHE ZUSAMMENSETZUNG
CHEMICAL ANALYSIS

AISI	DIN	C %	Si %	Mn %	P ≤%	S %	Cr %	Mo %	Ni %	Cu %	Andere %
201	—	≤0,15	≤1,00	5,50-7,50	0,060	≤0,030	16,00-18,00	—	3,50-5,50	—	N≤0,25
202	1.4371	≤0,15	≤1,00	7,50-10,00	0,060	≤0,030	17,00-19,00	—	4,00-6,00	—	N≤0,25
301	1.4310	≤0,15	≤1,00	≤2,00	0,045	≤0,030	16,00-18,00	—	6,00-8,00	—	—
302	1.4319	≤0,15	≤1,00	≤2,00	0,045	≤0,030	17,00-19,00	—	8,00-10,00	—	—
303	1.4305	≤0,15	≤1,00	≤2,00	0,20	≤0,15	17,00-19,00	—	8,00-10,00	—	Zr of Mo=0,60
304	1.4301	≤0,08	≤1,00	≤2,00	0,045	≤0,030	18,00-20,00	—	8,00-10,50	—	—
304L	1.4306	≤0,03	≤1,00	≤2,00	0,045	≤0,030	18,00-20,00	—	8,00-12,00	—	—
304LN	1.4311	≤0,03	≤1,00	≤2,00	0,045	≤0,030	18,00-20,00	—	8,00-12,00	—	N 0,10-0,16
305	1.4303	≤0,12	≤1,00	≤2,00	0,045	≤0,030	17,00-19,00	—	10,50-13,00	—	—
308	1.4303	≤0,08	≤1,00	≤2,00	0,045	≤0,030	19,00-21,00	—	—	—	—
309	1.4828	≤0,20	≤1,00	≤2,00	0,045	≤0,030	22,00-24,00	—	12,00-15,00	—	—
309S	1.4833	≤0,08	≤1,00	≤2,00	0,045	≤0,030	22,00-24,00	—	12,00-15,00	—	—
310	1.4841	≤0,25	≤1,50	≤2,00	0,045	≤0,030	24,00-26,00	—	19,00-22,00	—	—
310S	1.4845	≤0,08	≤1,50	≤2,00	0,045	≤0,030	24,00-26,00	—	19,00-22,00	—	—
314	1.4841	≤0,25	1,50-3,00	≤2,00	0,045	≤0,030	23,00-26,00	—	19,00-22,00	—	—
316	1.4401	≤0,08	≤1,00	≤2,00	0,045	≤0,030	16,00-18,00	2,00-3,00	10,00-14,00	—	—
316L	1.4404	≤0,03	≤1,00	≤2,00	0,045	≤0,030	16,00-18,00	2,00-3,00	10,00-14,00	—	—
316 Ti	1.4571	≤0,08	≤1,00	≤2,00	0,045	≤0,030	16,00-18,00	2,00-3,00	10,00-14,00	—	Ti≥5 x C
316LN	1.4429	≤0,03	≤1,00	≤2,00	0,045	≤0,030	16,00-18,00	2,00-3,00	10,00-14,00	—	N 0,10-0,16
317	1.4449	≤0,08	≤1,00	≤2,00	0,045	≤0,030	18,00-20,00	3,00-4,00	11,00-15,00	—	—
317L	1.4438	≤0,03	≤1,00	≤2,00	0,045	≤0,030	18,00-20,00	3,00-4,00	11,00-15,00	—	—
318	1.4583	≤0,08	≤1,00	≤2,00	0,045	≤0,030	17,00-19,00	1,75-2,75	13,00-15,00	—	Cb + Ta≥10 x C
321	1.4541	≤0,08	≤1,00	≤2,00	0,045	≤0,030	17,00-19,00	—	9,00-12,00	—	Ti≥5 x C
329	1.4460	≤0,20	≤0,75	≤1,00	0,040	≤0,030	23,00-28,00	1,00-2,00	2,50-5,00	—	—
347	1.4550	≤0,08	≤1,00	≤2,00	0,045	≤0,030	17,00-19,00	—	9,00-13,00	—	Cb/Ta≥10 x C
348	1.4546	≤0,08	≤1,00	≤2,00	0,045	≤0,030	17,00-19,00	—	9,00-13,00	—	Cb/Ta≥10 x C≤0,10
403	1.4000	≤0,15	≤0,50	≤1,00	0,040	≤0,030	11,50-13,00	—	—	—	—
405	1.4002	≤0,08	≤1,00	≤1,00	0,040	≤0,030	11,50-14,50	—	—	—	Al 0,10-0,30
409	1.4512	≤0,08	≤1,00	≤1,00	0,045	≤0,045	10,50-11,75	—	≤0,50	—	Ti6 x C≤0,75
410S	1.4001	≤0,08	≤1,00	≤1,00	0,040	≤0,030	11,50-13,50	—	≤0,60	—	—
410	1.4006	≤0,15	≤1,00	≤1,00	0,040	≤0,030	11,50-13,50	—	—	—	—
416	1.4005	≤0,15	≤1,00	≤1,25	0,060	≤0,15	12,00-14,00	—	—	—	Zr of Mo≤0,60
416Se	—	≤0,15	≤1,00	≤1,25	0,060	≤0,060	12,00-14,00	—	—	—	Se≥0,15
420	1.4021	≥0,15	≤1,00	≤1,00	0,040	≤0,030	12,00-14,00	—	—	—	—
420F	—	≥0,15	≤1,00	≤1,25	0,060	≥0,15	12,00-14,00	=0,60	—	—	—
422	1.4935	0,20-0,45	≤0,75	≤1,00	0,040	≤0,030	11,50-13,50	0,75-1,25	0,05-1,00	—	VO15-0,30;W075-1,25
430	1.4016	≤0,12	≤1,00	≤1,00	0,040	≤0,030	16,00-18,00	—	—	—	—
430F	1.4104	≤0,12	≤1,00	≤1,25	0,060	≥0,15	16,00-18,00	=0,60	—	—	—
431	1.4057	≤0,20	≤1,00	≤1,00	0,040	≤0,030	15,00-17,00	—	1,25-2,50	—	—
434	1.4113	≤0,12	≤1,00	≤1,00	0,040	≤0,030	16,00-18,00	0,75-1,25	—	—	—
440B	1.4112	0,75-0,95	≤1,00	≤1,00	0,040	≤0,030	16,00-18,00	≤0,75	—	—	—
440C	1.4125	0,95-1,20	≤1,00	≤1,00	0,040	≤0,030	16,00-18,00	≤0,75	—	—	—
446	1.4762	≤0,20	≤1,00	≤1,50	0,040	≤0,030	23,00-27,00	—	—	—	N≤0,25
630	1.4542	0,04	0,60	0,28	—	—	16,00	—	4,25	3,30	Cb/Ta 0,27
631	1.4568	0,07	0,30	0,50	—	—	17,00	—	7,10	—	Al 1,17
632	1.4532	0,07	0,30	0,50	—	—	15,10	2,25	7,10	—	Al 1,17
633	—	0,10	0,30	0,75	—	—	16,50	2,75	4,25	—	N 0,09
634	—	0,13	0,30	0,75	—	—	15,50	2,75	4,25	—	N 0,10
660	1.4980	0,05	0,60	1,45	—	—	14,75	1,30	25,20	—	Ti2,25;Al0,22;B0,004

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EQUIVALENTEN VAN ROESTVASTSTAAL TYPES

EQUIVALENTS DES DIFFERENTES NUANCES D'ACIER INOXYDABLE

ÄQUIVALENTE VON EDELSTAHLSORTEN

EQUIVALENTS OF VARIOUS GRADES OF STAINLESS STEEL

AISI USA	DIN W-Dld	AFNOR Fr.	UNI It.	JIS Jap.	SIS Zw.	BS Gr. Br.
301	1.4310	Z12 CN 17 08	X12 CrNi 17 07	SUS 301	2331	301 S 21
302	1.4319	Z10 CN 18 09	X15 CrNi 18 09	—	2331	302 S 17 302 S 25
303	1.4305	Z10 CNF 18 09	X10 CrNiS 18 09	SUS 303	2346	303 S 21
304	1.4301	Z6 CN 18 09	X5 CrNi 18 10	SUS 304	2332 2333	304 S 15 304 S 17 304 S 16 304 S 18 304 S 25 304 S 40 En.58 E
304L	1.4306	Z2 CN 18 10	X2 CrNi 18 11 X3 CrNi 18 11 X2 CrNi 18 11 KG X2 CrNi 18 11 KW	SUS 304L SUS 19	2352	304 S 12 304 S 14 304 S 22 S 536
304LN	1.4311	Z2 CN 18 10 AZ	X2 CrNiN 18 11	SUS 304LN	2371	304 S 62
305	1.4303	Z8 CN 18 12	X8 CrNi 19 10	SUS 305 SUS 305J1	2333	305 S 19
308	1.4303	Z8 CN 18 12	X8 CrNi 19 10	SUS 305 SUS 305J1	—	305 S 19
309	1.4828	Z15 CN 20 12	X16 CrNi 23 14	SUH 309	—	309 S 24
309S	1.4833	Z15 CN 24 13	X6 CrNi 23 14	SUS 309S	—	—
310	1.4841	Z12 CNS 25 20	X16 CrNiSi 25 20 X22 CrNi 25 20	SUH 310	—	310 S 24
310S	1.4845	Z12 CN 25 20	X6 CrNi 25 20	SUS 310S	2361	310 S 24
314	1.4841	Z12 CNS 25 20 X22 CrNi 25 20	X16 CrNiSi 20 20	SUH 310	—	310 S 24
316	1.4401	Z6 CND 17 11	X5 CrNiMo 17 12	SUS 316 SUS 309 SUS Y 316	2347	316 S 16 316 S 18 316 S 25 316 S 26 316 S 30 316 S 40 316 S 41 316 S 41 En.58 H
316L	1.4404	Z2 CND 17 12	X2 CrNiMo 17 12	SUS 316L	2348	316 S 12 316 S 14 316 S 22 316 S 24 316 S 29 316 S 30 316 S 31 316 S 37 316 S 82 S.537
316Ti	1.4571	Z6 CNDT 17 12	X6 CrNiTi 17 12	—	2350	320 S 17
316LN	1.4429	Z2 CND 17 13	X2 CrNiMoN 17 13	SUS 316LN	2375	—
317	1.4449	Z2 CND 19 15	X5 CrNiMo 18 15	SUS 317	2366	317 S 16
317L	1.4438	Z2 CND 19 15	X2 CrNiMo 18 16	SUS 317L	2367	317 S 12
318	1.4583	Z6 CNDNb 17 13	X6 CrNiMoNb 17 12	—	—	—
321	1.4541	Z6 CNT 18 10	X6 CrNiTi 18 11	SUS 321	2337	321 S 31
	1.4878	Z6 CNT 18 12	X6 CrNiTi 18 11 KG X6 CrNiTi 18 11 KT ICL 472T			321 S 12 321 S 18 321 S 27 321 S 40 321 S 49 321 S 50 321 S 59 321 S 87 En.58 B En.58 C

* All models, types, values, rates, dimensions, a.s.o. are subject to change, without notice*

OMZETTABELLEN

TABLEAUX DE CONVERSION

UMSATZTABELLEN

CONVERSION TABLES

Inch / mm

Inch / mm

Inch / mm

Inch / mm

Part of an inch	inches													
	0	1	2	3	4	5	6	7	8	9	10	11	12	
	millimetre													
0	0	0,000	25,400	50,800	76,200	101,600	127,000	152,400	177,800	203,200	228,600	254,000	279,400	304,800
1/64	0,015 625	0,396	25,796	51,196	76,596	101,996	127,396	152,796	178,196	203,596	228,996	254,396	279,796	
1/32	0,031 250	0,793	26,193	51,593	76,993	102,393	127,793	153,193	178,593	203,993	229,393	254,793	280,193	
3/64	0,046 875	1,190	26,590	51,990	77,390	102,790	128,190	153,590	178,990	204,390	229,790	255,190	280,590	
1/16	0,062 500	1,587	26,987	52,387	77,787	103,187	128,587	153,987	179,387	204,787	230,187	255,587	280,987	
5/64	0,078 125	1,984	27,384	52,784	78,184	103,584	128,984	154,384	179,784	205,184	230,584	255,984	281,384	
3/32	0,093 750	2,381	27,781	53,181	78,581	103,981	129,381	154,781	180,181	205,581	230,981	256,381	281,781	
7/64	0,109 375	2,778	28,178	53,578	78,978	104,378	129,778	155,178	180,578	205,978	231,378	256,778	282,178	
1/8	0,125 000	3,175	28,575	53,975	79,375	104,775	130,175	155,575	180,975	206,375	231,775	257,175	282,575	
9/64	0,140 625	3,571	28,971	54,371	79,771	105,171	130,571	155,971	181,371	206,771	232,171	257,571	282,971	
5/32	0,156 250	3,968	29,368	54,768	80,168	105,568	130,968	156,368	181,768	207,168	232,568	257,968	283,368	
11/64	0,171 875	4,365	29,765	55,165	80,565	105,965	131,365	156,765	182,165	207,565	232,965	258,365	283,765	
3/16	0,187 500	4,762	30,162	55,562	80,962	106,362	131,762	157,162	182,562	207,962	233,362	258,762	284,162	
13/64	0,203 125	5,159	30,559	55,959	81,359	106,759	132,159	157,559	182,959	208,359	233,759	259,159	284,559	
7/32	0,218 750	5,556	30,956	56,356	81,756	107,156	132,556	157,956	183,356	208,756	234,156	259,556	284,956	
15/64	0,234 375	5,953	31,353	56,753	82,153	107,553	132,953	158,353	183,753	209,153	234,553	259,953	285,353	
1/4	0,250 000	6,350	31,750	57,150	82,550	107,950	133,350	158,750	184,150	209,550	234,950	260,350	285,750	
17/64	0,265 625	6,746	32,146	57,546	82,946	108,346	133,746	159,146	184,546	209,946	235,346	260,746	286,146	
9/32	0,281 250	7,143	32,543	57,943	83,343	108,743	134,143	159,543	184,943	210,343	235,743	261,143	286,543	
19/64	0,296 875	7,540	32,940	58,340	83,740	109,140	134,540	159,940	185,340	210,740	236,140	261,540	286,940	
5/16	0,312 500	7,937	33,337	58,737	84,137	109,537	134,937	160,337	185,737	211,137	236,537	261,937	287,337	
21/64	0,328 125	8,334	33,734	59,134	84,534	109,934	135,334	160,734	186,134	211,534	236,934	262,334	287,734	
11/32	0,343 750	8,731	34,131	59,531	84,931	110,331	135,731	161,131	186,531	211,931	237,331	262,731	288,131	
23/64	0,359 375	9,128	34,528	59,928	85,328	110,728	136,128	161,528	186,928	212,328	237,728	263,128	288,528	
3/8	0,375 000	9,525	34,925	60,325	85,725	111,125	136,525	161,925	187,325	212,725	238,125	263,525	288,925	
25/64	0,390 625	9,921	35,321	60,721	86,121	111,521	136,921	162,321	187,721	213,121	238,521	263,921	289,321	
13/32	0,406 250	10,318	35,718	61,118	86,518	111,918	137,318	162,718	188,118	213,518	238,918	264,318	289,718	
27/64	0,421 875	10,715	36,115	61,515	86,915	112,315	137,715	163,115	188,515	213,915	239,315	264,715	290,115	
7/16	0,437 500	11,112	36,512	61,912	87,312	112,712	138,112	163,512	188,912	214,312	239,712	265,112	290,512	
29/64	0,453 125	11,509	36,909	62,309	87,709	113,109	138,509	163,909	189,309	214,709	240,109	265,509	290,909	
15/32	0,468 750	11,906	37,306	62,706	88,106	113,506	138,906	164,306	189,706	215,106	240,506	265,906	291,306	
31/64	0,484 375	12,303	37,703	63,103	88,503	113,903	139,303	164,703	190,103	215,503	240,903	266,303	291,703	
1/2	0,500 000	12,700	38,100	63,500	88,900	114,300	139,700	165,100	190,500	215,900	241,300	266,700	292,100	
33/64	0,515 625	13,096	38,496	63,896	89,296	114,696	140,096	165,496	190,896	216,296	241,696	267,096	292,496	
17/32	0,531 250	13,493	38,893	64,293	89,693	115,093	140,493	165,893	191,293	216,693	242,093	267,493	292,893	
35/64	0,546 875	13,890	39,290	64,690	90,090	115,490	140,890	166,290	191,690	217,090	242,490	267,890	293,290	
9/16	0,562 500	14,287	39,687	65,087	90,487	115,87	141,287	166,687	192,087	217,487	242,887	268,287	293,687	
37/64	0,578 125	14,684	40,084	65,484	90,884	116,284	141,684	167,084	192,484	217,884	243,284	268,684	294,084	
19/32	0,593 750	15,081	40,481	65,881	91,281	116,681	142,081	167,481	192,881	218,281	243,681	269,081	294,481	
39/64	0,609 375	15,478	40,878	66,278	91,678	117,078	142,478	167,878	193,278	218,678	244,078	269,478	294,878	
5/8	0,625 000	15,875	41,275	66,675	92,075	117,475	142,875	168,275	193,675	219,075	244,475	269,875	295,275	
41/64	0,640 625	16,271	41,671	67,071	92,471	117,871	143,271	168,671	194,071	219,471	244,871	270,271	295,671	
21/32	0,656 250	16,668	42,068	67,468	92,868	118,268	143,668	169,068	194,468	219,868	245,268	270,668	296,068	
43/64	0,671 875	17,065	42,465	67,865	93,265	118,665	144,065	169,465	194,865	220,265	245,665	271,065	296,465	
11/16	0,687 500	17,462	42,862	68,262	93,662	119,062	144,462	169,862	195,262	220,662	246,062	271,462	296,862	
45/64	0,703 125	17,859	43,259	68,659	94,059	119,459	144,859	170,259	195,659	221,059	246,459	271,859	297,259	
23/32	0,718 750	18,256	43,656	69,056	94,456	119,856	145,256	170,656	196,056	221,456	246,856	272,256	297,656	
47/64	0,734 375	18,653	44,053	69,453	94,853	120,253	145,653	171,053	196,453	221,853	247,253	272,653	298,053	
3/4	0,750 000	19,050	44,450	69,850	95,250	120,650	146,050	171,450	196,850	222,250	247,650	273,050	298,450	
49/64	0,765 625	19,446	44,846	70,246	95,646	121,046	146,446	171,846	197,246	222,646	248,046	273,446	298,846	
25/32	0,781 250	19,843	45,243	70,643	96,043	121,443	146,843	172,243	197,643	223,043	248,443	273,843	299,243	
51/64	0,796 875	20,240	45,640	71,040	96,440	121,840	147,240	172,640	198,040	223,440	248,840	274,240	299,640	
13/16	0,812 500	20,637	46,037	71,437	96,837	122,237	147,637	173,037	198,437	223,837	249,237	274,637	300,037	
53/64	0,828 125	21,034	46,434	71,834	97,234	122,634	148,034	173,434	198,834	224,234	249,634	275,034	300,434	
27/32	0,843 750	21,431	46,831	72,231	97,631	123,031	148,431	173,831	199,231	224,631	250,031	275,431	300,831	
55/64	0,859 375	21,828	47,228	72,628	98,028	123,428	148,828	174,228	199,628	225,028	250,428	275,828	301,228	
7/8	0,875 000	22,225	47,625	73,025	98,425	123,825	149,225	174,625	200,025	225,425	250,825	276,225	301,625	
57/64	0,890 625	22,621	48,021	73,421	98,821	124,221	149,621	175,021	200,421	225,821	251,221	276,621	302,021	
29/32	0,906 250	23,018	48,418	73,818	99,218	124,618	150,018	175,418	200,818	226,218	251,618	277,018	302,418	
59/64	0,921 875	23,415	48,815	74,215	99,615	125,015	150,415	175,815	201,215	226,615	252,015	277,415	302,815	
15/16	0,937 500	23,812	49,212	74,612	100,012	125,412	150,812	176,212	201,612	227,012	252,412	277,812	303,212	
61/64	0,953 125	24,209	49,609	75,009	100,409	125,809	151,209	176,609	202,009	227,409	252,809	278,209	303,609	
31/32	0,968 750	24,606	50,006	75,406	100,806	126,206	151,606	177,006	202,406	227,806				

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TABLEAUX DE CONVERSION

UMSATZTABELLEN

CONVERSION TABLES

Celsius (C) / Fahrenheit (F) / Kelvin (K)

Celsius (C) / Fahrenheit (F) / Kelvin (K)

Celsius (C) / Fahrenheit (F) / Kelvin (K)

Celsius (C) / Fahrenheit (F) / Kelvin (K)

°F = 9/5 °C + 32

°C = °K - 273,15

°K = 5/9 (°F - 32) + 273,15

°C = 5/9 (°F - 32)

°K = °C + 273,15

°F = 9/5 (°K - 273,15) + 32

°C	°F	°K	°C	°F	°K	°C	°F	°K	°C	°F	°K	°C	°F	°K
-273,15	-459,67	0												
-273	-459,4	0,15	+25	+77,0	298,15	+325	+617,0	598,15	+625	+1157,0	898,15	+925	+1697,0	1198,15
-270	-454,0	3,15	+30	+86,0	303,15	+330	+626,0	603,15	+630	+1166,0	903,15	+930	+1706,0	1203,15
-265	-445,0	8,15	+35	+95,0	308,15	+335	+635,0	608,15	+635	+1175,0	908,15	+935	+1715,0	1208,15
-260	-436,0	13,15	+40	+104,0	313,15	+340	+644,0	613,15	+640	+1184,0	913,15	+940	+1724,0	1213,15
-255	-427,0	18,15	+45	+113,0	318,15	+345	+653,0	618,15	+645	+1193,0	918,15	+945	+1733,0	1218,15
-250	-418,0	23,15	+50	+122,0	323,15	+350	+662,0	623,15	+650	+1202,0	923,15	+950	+1742,0	1223,15
-245	-409,0	28,15	+55	+131,0	328,15	+355	+671,0	628,15	+655	+1211,0	928,15	+955	+1751,0	1228,15
-240	-400,0	33,15	+60	+140,0	333,15	+360	+680,0	633,15	+660	+1220,0	933,15	+960	+1760,0	1233,15
-235	-391,0	38,15	+65	+149,0	338,15	+365	+689,0	638,15	+665	+1229,0	938,15	+965	+1769,0	1238,15
-230	-382,0	43,15	+70	+158,0	343,15	+370	+698,0	643,15	+670	+1238,0	943,15	+970	+1778,0	1243,15
-225	-373,0	48,15	+75	+167,0	348,15	+375	+707,0	648,15	+675	+1247,0	948,15	+975	+1787,0	1248,15
-220	-364,0	53,15	+80	+176,0	353,15	+380	+716,0	653,15	+680	+1256,0	953,15	+980	+1796,0	1253,15
-215	-355,0	58,15	+85	+185,0	358,15	+385	+725,0	658,15	+685	+1265,0	958,15	+985	+1805,0	1258,15
-210	-346,0	63,15	+90	+194,0	363,15	+390	+734,0	663,15	+690	+1274,0	963,15	+990	+1814,0	1263,15
-205	-337,0	68,15	+95	+203,0	368,15	+395	+743,0	668,15	+695	+1283,0	968,15	+995	+1823,0	1268,15
-200	-328,0	73,15	+100	+212,0	373,15	+400	+752,0	673,15	+700	+1292,0	973,15	+1000	+1832,0	1273,15
-195	-319,0	78,15	+105	+221,0	378,15	+405	+761,0	678,15	+705	+1301,0	978,15	+1005	+1841,0	1278,15
-190	-310,0	83,15	+110	+230,0	383,15	+410	+770,0	683,15	+710	+1310,0	983,15	+1010	+1850,0	1283,15
-185	-301,0	88,15	+115	+239,0	388,15	+415	+779,0	688,15	+715	+1319,0	988,15	+1015	+1859,0	1288,15
-180	-292,0	93,15	+120	+248,0	393,15	+420	+788,0	693,15	+720	+1328,0	993,15	+1020	+1868,0	1293,15
-175	-283,0	98,15	+125	+257,0	398,15	+425	+797,0	698,15	+725	+1337,0	998,15	+1025	+1877,0	1298,15
-170	-274,0	103,15	+130	+266,0	403,15	+430	+806,0	703,15	+730	+1346,0	1003,15	+1030	+1886,0	1303,15
-165	-265,0	108,15	+135	+275,0	408,15	+435	+815,0	708,15	+735	+1355,0	1008,15	+1035	+1895,0	1308,15
-160	-256,0	113,15	+140	+284,0	413,15	+440	+824,0	713,15	+740	+1364,0	1013,15	+1040	+1904,0	1313,15
-155	-247,0	118,15	+145	+293,0	418,15	+445	+833,0	718,15	+745	+1373,0	1018,15	+1045	+1913,0	1318,15
-150	-238,0	123,15	+150	+302,0	423,15	+450	+842,0	723,15	+750	+1382,0	1023,15	+1050	+1922,0	1323,15
-145	-229,0	128,15	+155	+311,0	428,15	+455	+851,0	728,15	+755	+1391,0	1028,15	+1055	+1931,0	1328,15
-140	-220,0	133,15	+160	+320,0	433,15	+460	+860,0	733,15	+760	+1400,0	1033,15	+1060	+1940,0	1333,15
-135	-211,0	138,15	+165	+329,0	438,15	+465	+869,0	738,15	+765	+1409,0	1038,15	+1065	+1949,0	1338,15
-130	-202,0	143,15	+170	+338,0	443,15	+470	+878,0	743,15	+770	+1418,0	1043,15	+1070	+1958,0	1343,15
-125	-193,0	148,15	+175	+347,0	448,15	+475	+887,0	748,15	+775	+1427,0	1048,15	+1075	+1967,0	1348,15
-120	-184,0	153,15	+180	+356,0	453,15	+480	+896,0	753,15	+780	+1436,0	1053,15	+1080	+1976,0	1353,15
-115	-175,0	158,15	+185	+365,0	458,15	+485	+905,0	758,15	+785	+1445,0	1058,15	+1085	+1985,0	1358,15
-110	-166,0	163,15	+190	+374,0	463,15	+490	+914,0	763,15	+790	+1454,0	1063,15	+1090	+1994,0	1363,15
-105	-157,0	168,15	+195	+383,0	468,15	+495	+923,0	768,15	+795	+1463,0	1068,15	+1095	+2003,0	1368,15
-100	-148,0	173,15	+200	+392,0	473,15	+500	+932,0	773,15	+800	+1472,0	1073,15	+1100	+2012,0	1373,15
-95	-139,0	178,15	+205	+401,0	478,15	+505	+941,0	778,15	+805	+1481,0	1078,15	+1105	+2021,0	1378,15
-90	-130,0	183,15	+210	+410,0	483,15	+510	+950,0	783,15	+810	+1490,0	1083,15	+1110	+2030,0	1383,15
-85	-121,0	188,15	+215	+419,0	488,15	+515	+959,0	788,15	+815	+1499,0	1088,15	+1115	+2039,0	1388,15
-80	-112,0	193,15	+220	+428,0	493,15	+520	+968,0	793,15	+820	+1508,0	1093,15	+1120	+2048,0	1393,15
-75	-103,0	198,15	+225	+437,0	498,15	+525	+977,0	798,15	+825	+1517,0	1098,15	+1125	+2057,0	1398,15
-70	-94,0	203,15	+230	+446,0	503,15	+530	+986,0	803,15	+830	+1526,0	1103,15	+1130	+2066,0	1403,15
-65	-85,0	208,15	+235	+455,0	508,15	+535	+995,0	808,15	+835	+1535,0	1108,15	+1135	+2075,0	1408,15
-60	-76,0	213,15	+240	+464,0	513,15	+540	+1004,0	813,15	+840	+1544,0	1113,15	+1140	+2084,0	1413,15
-55	-67,0	218,15	+245	+473,0	518,15	+545	+1013,0	818,15	+845	+1553,0	1118,15	+1145	+2093,0	1418,15
-50	-58,0	223,15	+250	+482,0	523,15	+550	+1022,0	823,15	+850	+1562,0	1123,15	+1150	+2102,0	1423,15
-45	-49,0	228,15	+255	+491,0	528,15	+555	+1031,0	828,15	+855	+1571,0	1128,15	+1155	+2111,0	1428,15
-40	-40,0	233,15	+260	+500,0	533,15	+560	+1040,0	833,15	+860	+1580,0	1133,15	+1160	+2120,0	1433,15
-35	-31,0	238,15	+265	+509,0	538,15	+565	+1049,0	838,15	+865	+1589,0	1138,15	+1165	+2129,0	1438,15
-30	-22,0	243,15	+270	+518,0	543,15	+570	+1058,0	843,15	+870	+1598,0	1143,15	+1170	+2138,0	1443,15
-25	-13,0	248,15	+275	+527,0	548,15	+575	+1067,0	848,15	+875	+1607,0	1148,15	+1175	+2147,0	1448,15
-20	-4,0	253,15	+280	+536,0	553,15	+580	+1076,0	853,15	+880	+1616,0	1153,15	+1180	+2156,0	1453,15
-15	+5,0	258,15	+285	+545,0	558,15	+585	+1085,0	858,15	+885	+1625,0	1158,15	+1185	+2165,0	1458,15
-10	+14,0	263,15	+290	+554,0	563,15	+590	+1094,0	863,15	+890	+1634,0	1163,15	+1190	+2174,0	1463,15
-5	+23,0	268,15	+295	+563,0	568,15	+595	+1103,0	868,15	+895	+1643,0	1168,15	+1195	+2183,0	1468,15
+/-0	+32,0	273,15	+300	+572,0	573,15	+600	+1112,0	873,15	+900	+1652,0	1173,15	+1200	+2192,0	1473,15
+5	+41,0	278,15	+305	+581,0	578,15	+605	+1121,0	878,15	+905	+1661,0	1178,15			
+10	+50,0	283,15	+310	+590,0	583,15	+610	+1130,0	883,15	+910	+1670,0	1183,15			
+15	+59,0	288,15	+315	+599,0	588,15	+615	+1139,0	888,15	+915	+1679,0	1188,15			
+20	+68,0	293,15	+320	+608,0	593,15	+620	+1148,0	893,15	+920	+1688,0	1193,15			

* All models, types, values, rates, dimensions, a.s.o. are subject to change, without notice



OMZETTABELLEN

TABLEAUX DE CONVERSION

UMSATZTABELLEN

CONVERSION TABLES

Pounds/Square Inch (psi) / bar / kg/cm²

Pounds/Square Inch (psi) / bar / kg/cm²

Pounds/Square Inch (psi) - bar - kg/cm²

Pounds/Square Inch (psi) - bar - kg/cm²

1 psi = 0,06895 bar
1 psi = 0,0703 kg/cm²

1 bar = 1,01972 kg/m²
1 bar = 14,5037 psi

1 kg/cm² = 14,2233 psi
1 kg/cm² = 0,98067 bar

psi	bar	kg/cm ²	psi	bar	kg/cm ²	psi	bar	kg/cm ²	psi	bar	kg/cm ²	psi	bar	kg/cm ²
1	0,07	0,07	46	3,17	3,23	91	6,27	6,40	280	19,31	19,68	710	48,95	49,91
2	0,14	0,14	47	3,24	3,30	92	6,34	6,47	285	19,65	20,04	720	49,64	50,62
3	0,21	0,21	48	3,31	3,37	93	6,41	6,54	290	20,00	20,39	730	50,33	51,32
4	0,28	0,28	49	3,38	3,44	94	6,48	6,61	295	20,34	20,74	740	51,02	52,02
5	0,34	0,35	50	3,45	3,52	95	6,55	6,68	300	20,69	21,09	750	51,71	52,73
6	0,41	0,42	51	3,52	3,59	96	6,62	6,75	310	21,37	21,79	760	52,40	53,43
7	0,48	0,49	52	3,59	3,66	97	6,69	6,82	320	22,06	22,50	770	53,09	54,13
8	0,55	0,56	53	3,65	3,73	98	6,76	6,89	330	22,75	23,20	780	53,78	54,83
9	0,62	0,63	54	3,72	3,80	99	6,83	6,96	340	23,44	23,90	790	54,47	55,54
10	0,69	0,70	55	3,79	3,87	100	6,90	7,03	350	24,13	24,61	800	55,16	56,24
11	0,76	0,77	56	3,86	3,94	105	7,24	7,38	360	24,82	25,31	810	55,85	56,94
12	0,83	0,84	57	3,93	4,01	110	7,58	7,73	370	25,51	26,01	820	56,54	57,65
13	0,90	0,91	58	4,00	4,08	115	7,93	8,08	380	26,20	26,71	830	57,23	58,35
14	0,97	0,98	59	4,07	4,15	120	8,27	8,44	390	26,89	27,42	840	57,92	59,05
15	1,03	1,05	60	4,14	4,22	125	8,62	8,79	400	27,58	28,12	850	58,61	59,76
16	1,10	1,12	61	4,21	4,29	130	8,96	9,14	410	28,27	28,82	860	59,30	60,46
17	1,17	1,20	62	4,27	4,36	135	9,31	9,49	420	28,96	29,53	870	59,99	61,16
18	1,24	1,27	63	4,34	4,43	140	9,65	9,84	430	29,65	30,23	880	60,68	61,86
19	1,31	1,34	64	4,41	4,50	145	10,00	10,19	440	30,34	30,93	890	61,37	62,57
20	1,38	1,41	65	4,48	4,57	150	10,34	10,55	450	31,03	31,64	900	62,06	63,27
21	1,45	1,48	66	4,55	4,64	155	10,69	10,90	460	31,72	32,34	910	62,74	63,97
22	1,52	1,55	67	4,62	4,71	160	11,03	11,25	470	32,41	33,04	920	63,43	64,68
23	1,59	1,62	68	4,69	4,78	165	11,38	11,60	480	33,10	33,74	930	64,12	65,38
24	1,65	1,69	69	4,76	4,85	170	11,72	11,95	490	33,79	34,45	940	64,81	66,08
25	1,72	1,76	70	4,83	4,92	175	12,07	12,30	500	34,48	35,15	950	65,50	66,79
26	1,79	1,83	71	4,90	4,99	180	12,41	12,65	510	35,16	35,85	960	66,19	67,49
27	1,86	1,90	72	4,96	5,06	185	12,76	13,01	520	35,85	36,56	970	66,88	68,19
28	1,93	1,97	73	5,03	5,13	190	13,10	13,36	530	36,54	37,26	980	67,57	68,89
29	2,00	2,04	74	5,10	5,20	195	13,45	13,71	540	37,23	37,96	990	68,26	69,60
30	2,07	2,11	75	5,17	5,27	200	13,79	14,06	550	37,92	38,67	1000	68,95	70,30
31	2,14	2,18	76	5,24	5,34	205	14,13	14,41	560	38,61	39,37	1010	69,64	71,00
32	2,21	2,25	77	5,31	5,41	210	14,48	14,76	570	39,30	40,07	1020	70,33	71,71
33	2,28	2,32	78	5,38	5,48	215	14,82	15,11	580	39,99	40,77	1030	71,02	72,41
34	2,34	2,39	79	5,45	5,55	220	15,17	15,47	590	40,68	41,48	1040	71,71	73,11
35	2,41	2,46	80	5,52	5,62	225	15,51	15,82	600	41,37	42,18	1050	72,40	73,82
36	2,48	2,53	81	5,58	5,69	230	15,86	16,17	610	42,06	42,88	1060	73,09	74,52
37	2,55	2,60	82	5,65	5,76	235	16,20	16,52	620	42,75	43,59	1070	73,78	75,22
38	2,62	2,67	83	5,72	5,83	240	16,55	16,87	630	43,44	44,29	1080	74,47	75,92
39	2,69	2,74	84	5,79	5,91	245	16,89	17,22	640	44,13	44,99	1090	75,16	76,63
40	2,76	2,81	85	5,86	5,98	250	17,24	17,58	650	44,82	45,70	1100	75,85	77,33
41	2,83	2,88	86	5,93	6,05	255	17,58	17,93	660	45,51	46,40	1120	77,22	78,74
42	2,90	2,95	87	6,00	6,12	260	17,93	18,28	670	46,20	47,10	1140	78,60	80,14
43	2,96	3,02	88	6,07	6,19	265	18,27	18,63	680	46,89	47,80	1160	79,98	81,55
44	3,03	3,09	89	6,14	6,26	270	18,62	18,98	690	47,58	48,51	1180	81,36	82,95
45	3,10	3,16	90	6,21	6,33	275	18,96	19,33	700	48,27	49,21	1200	82,74	84,36

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TABLEAUX DE CONVERSION

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CONVERSION TABLES

LENGTH

1 mm.	1 cm.	1 m.	1 km.	1 in.	1 ft	1 yd	1 mile	1 sm.	Units
millimetre	centimetre	metre	kilometre	inch	foot	yard	statute mile	nautical mile (seamile)	
1	10	1000	—	25,4	304,8	914,398	—	—	mm.
0,1	1	100	100.000	2,54	30,48	91,4398	—	—	cm.
0,001	0,01	1	1000	0,0254	0,3048	0,914398	1609,34	1852	m.
—	—	0,001	1	—	—	—	1,609	1,852	km.
0,03937	0,3937	39,37	39.370	1	12	36	63.360	72.913	in.
0,00328	0,03281	3,28084	3280,84	0,08333	1	3	5280	6076,12	ft
—	—	1,09362	1093,62	0,0277778	0,33333	1	1760	2025,38	yd
—	—	—	0,62137	—	—	—	1	1,15078	
—	—	—	0,53996	—	—	—	0,86898	1	sm

AREA

1 cm ²	1 m ²	1 a.	1 ha.	1 km ²	1 in ²	1 ft ²	1 yd ²	1 sq. mile	Units
square centimetre	square metre	are	hectare	square kilometre	square inch	square foot	square yard	square mile	
1	1000	—	—	—	6,4516	929,03	8361,24	—	cm ²
0,0001	1	100	10.000	—	—	0,0929	0,83612	—	m ²
—	0,01	1	100	10.000	—	0,00093	0,00836	25899,9	a
—	0,0001	0,01	1	100	—	—	0,00008	258,999	ha
—	—	0,0001	0,01	1	—	—	—	2,58999	km ²
0,155	1550	—	—	—	1	144	1296	—	in ²
0,00108	10,7639	1076,39	107.639	—	0,00694	1	9	—	ft ²
0,00012	1,19599	119,599	11.959,9	—	0,00077	0,11111	1	—	yd ²
—	—	—	0,000386	0,3861	—	—	—	1	sq. mile

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CONVERSION TABLES

VOLUME

1 cm ³	1 dm ³ = 1 l.	1 in ³	1 ft ³	1 yd ³	1 fl.oz.(UK)	1 fl.oz.(US)	1 gal.(UK)	1 gal.(US)	Units
cubic centimetre	cubic decimetre = liter	cubic inch	cubic foot	cubic yard	fluid ounce (UK)	fluid ounce (US)	gallon (UK)	gallon (US)	
1	1000	16,3871	28,316,8	764,551	28,413	29,5737	4546,09	3785,43	cm ³
0,001	1	0,01639	28,3168	764,551	0,0284	0,0296	4,54609	3,78543	dm ³ = l.
0,06102	61,0237	1	1728	46.655,7	1,73388	1,8047	277,42	231	in ³
—	0,03531	0,00058	1	27	0,001	0,00104	0,16054	0,13368	ft ³
—	0,00131	—	0,03704	1	0,00004	0,00004	0,00595	0,00495	yd ³
0,0352	35,1952	0,57675	996,614	26.908,5	1	1,04085	160	133,223	fl.oz.(UK)
0,03381	33,8138	0,55411	957,499	25.852,4	0,96075	1	153,721	128	fl.oz.(US)
0,00022	0,21997	0,0036	6,22882	168,178	0,00625	0,00651	1	0,83268	gal.(UK)
0,00026	0,26417	0,00433	7,48047	201,972	0,00751	0,00781	1,20094	1	gal.(US)

WEIGHT

1 g.	1 kg.	1 t.	1 oz.	1 lb.	1 sh.wt	1 cwt	1 sh.tn	1 tn	Units
gramme	kilogramme	ton	ounce	pound	short hundredweight (US)	(long) hundredweight (UK)	short ton (US)	(long) ton (UK)	
1	1000	—	28,3495	453,592	45.359,2	50.802,3	907.185	—	g.
0,001	1	1000	0,02835	0,45359	45,3592	50,8023	907,185	1016,05	kg.
—	0,001	1	—	0,00045	0,04536	0,05802	0,90719	1,01605	t.
0,03527	35,274	35,274	1	16	1600	1792	32.000	35.840	oz.
0,0022	2,20462	2204,62	0,0625	1	100	112	2000	2240	lb.
0,00002	0,022	22,0462	0,00062	0,01	1	1,12	20	22,4	sh.wt
0,00002	0,01968	19,6841	0,00056	0,00893	0,89286	1	17,8572	20	cwt
—	0,0011	1,10231	—	0,0005	0,05	0,056	1	1,12	sh.tn
—	0,00098	0,9842	0,00003	0,00045	0,04464	0,05	0,89285	1	tn

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PRESSURE

1 Pa=1N/m ²	1 bar	1kg/m ² =1mmH ₂ O	1kg/cm ² =1at.	1 atm.	1 Torr=1mmHg	1 m.H ₂ O	1 lb/in ²	1 in.Hg	Units
Pascal	bar	millimetre of water	technical atmosphere	physical atmosphere	millimetre of mercury	metre of water	pound-force per square inch	inch of mercury	
1	100.000	9,80665	98066,5	101.325	133,322	9806,65	6894,76	3386,39	Pa=N/m ²
0,00001	1	—	0,98067	1,01325	0,00133	0,09807	0,06895	0,03386	bar
0,10197	10.197,2	1	10.000	10.332,3	13,5951	1000	703,07	354,316	kg/m ² =mmH ₂ O
0,00001	1,01972	0,0001	1	1,03323	0,00136	0,1	0,07031	0,03453	kg/cm=at.
—	0,98692	—	0,96784	1	0,00132	0,09678	0,06805	0,03342	atm.
0,0075	750,062	0,07356	735,559	760	1	73,5559	51,7149	25,4	Torr=mmHg
0,0001	10,1972	0,001	10	10,3323	0,013595	1	0,70307	0,34532	m.H ₂ O
0,00014	14,5037	0,00142	14,2233	14,696	0,01934	1,42233	1	0,49115	lb/in ²
0,000295	29,53	0,0029	28,959	29,9213	0,03937	2,8959	2,03602	1	in.Hg

ENERGY

1 J=1 Nm.	1 kgm.	1 PSh	1 kW _s	1 kWh	1 kcal.	1 lb.ft	1 BTU	1 hph.	Units
Joule = Newtonmetre	kilogramme metre	Pferdestärke- stunde	kilowatt second	kilowatt hour	kilogramme calorie	pound-force foot	British thermal unit	horsepower- hour	
1	9,80665	2.647.790	1000	3.600.000	4186,8	1,35582	1055,06	2.684.520	J=Nm.
0,10197	1	270.000	101,972	367.098	426,935	0,13826	107,585	273.745	kgm.
3,7768 x 10 ⁻⁷	3,7037 x 10 ⁻⁶	1	3,7768 x 10 ⁻⁴	1,359648	0,001581	5,1206 x 10 ⁻⁷	3,9848 x 10 ⁻⁴	1,013869	PSh
0,001	0,00981	2647,79	1	3600	4,1868	0,00136	1,05506	2684,52	kW _s
2,7778 x 10 ⁻⁷	2,7241 x 10 ⁻⁶	0,735499	2,7778 x 10 ⁻⁴	1	0,001163	3,7662 x 10 ⁻⁷	0,000293	0,7457	kWh
2,3885 x 10 ⁻⁴	0,002342	632,415	0,238846	859,845	1	3,2383 x 10 ⁻⁴	0,251995	641,1863	kcal
0,73756	7,233	1.952.907	737,561	2.655.220	3088	1	778,171	1.980.000	lb.ft
0,00095	0,00929	2508,33	0,94733	3412,14	3,96381	0,00128	1	2543,12	BTU
3,7251 x 10 ⁻⁷	3,653 x 10 ⁻⁶	0,98632	3,7251 x 10 ⁻⁴	1,341021	0,00156	5,0505 x 10 ⁻⁷	0,000393	1	hph

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