

Torr – Millibar Millibar – Torr Umrechnungstabellen

DIN 66038

Torr – millibar, millibar – torr; conversion tables

Diese Norm kann benutzt werden zum Umrechnen der Zahlenwerte von Größen mit der Einheit Torr in Millibar oder umgekehrt. Sie kann auch angewendet werden zum Umrechnen der Zahlenwerte abgeleiteter Größen, z. B. mit der Einheit Torr in Mikrobar.

1. Umrechnung von Torr (Torr) in Millibar (mbar)

Einheitengleichung: $1 \text{ Torr} = \frac{1,01325}{0,760} \text{ mbar} = 1,33322368 \text{ mbar}$

Die Zahlenwerte der Tabelle 1 sind nach DIN 1333 auf sechs Stellen hinter dem Komma gerundet.

Tabelle 1.

Torr	0,0	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9
	mbar									
0	0,000000	0,133322	0,266645	0,399967	0,533289	0,666612	0,799934	0,933257	1,066579	1,199901
1	1,333224	1,466546	1,599868	1,733191	1,866513	1,999836	2,133158	2,266480	2,399803	2,533125
2	2,666447	2,799770	2,933092	3,066414	3,199737	3,333059	3,466382	3,599704	3,733026	3,866349
3	3,999671	4,132993	4,266316	4,399638	4,532961	4,666283	4,799605	4,932928	5,066250	5,199572
4	5,332895	5,466217	5,599539	5,732862	5,866184	5,999507	6,132829	6,266151	6,399474	6,532796
5	6,666118	6,799441	6,932763	7,066086	7,199408	7,332730	7,466053	7,599375	7,732697	7,866020
6	7,999342	8,132664	8,265987	8,399309	8,532632	8,665954	8,799276	8,932599	9,065921	9,199243
7	9,332566	9,465888	9,599211	9,732533	9,865855	9,999178	10,132500	10,265822	10,399145	10,532467
8	10,665789	10,799112	10,932434	11,065757	11,199079	11,332401	11,465724	11,599046	11,732368	11,865691
9	11,999013	12,132336	12,265658	12,398980	12,532303	12,665625	12,798947	12,932270	13,065592	13,198914
10	13,332237	13,465559	13,598882	13,732204	13,865526	13,998849	14,132171	14,265493	14,398816	14,532138
11	14,665461	14,798783	14,932105	15,065428	15,198750	15,332072	15,465395	15,598717	15,732039	15,865362
12	15,998684	16,132007	16,265329	16,398651	16,531974	16,665296	16,798618	16,931941	17,065263	17,198586
13	17,331908	17,465230	17,598553	17,731875	17,865197	17,998520	18,131842	18,265164	18,398487	18,531809
14	18,665132	18,798454	18,931776	19,065099	19,198421	19,331743	19,465066	19,598388	19,731711	19,865033
15	19,998355	20,131678	20,265000	20,398322	20,531645	20,664967	20,798289	20,931612	21,064934	21,198257
16	21,331579	21,464901	21,598224	21,731546	21,864868	21,998191	22,131513	22,264836	22,398158	22,531480
17	22,664803	22,798125	22,931447	23,064770	23,198092	23,331414	23,464737	23,598059	23,731382	23,864704
18	23,998026	24,131349	24,264671	24,397993	24,531316	24,664638	24,797961	24,931283	25,064605	25,197928
19	25,331250	25,464572	25,597895	25,731217	25,864539	25,997862	26,131184	26,264507	26,397829	26,531151
20	26,664474	26,797796	26,931118	27,064441	27,197763	27,331086	27,464408	27,597730	27,731053	27,864375
21	27,997697	28,131020	28,264342	28,397664	28,530987	28,664309	28,797632	28,930954	29,064276	29,197599
22	29,330921	29,464243	29,597566	29,730888	29,864211	29,997533	30,130855	30,264178	30,397500	30,530822
23	30,664145	30,797467	30,930789	31,064112	31,197434	31,330757	31,464079	31,597401	31,730724	31,864046
24	31,997368	32,130691	32,264013	32,397336	32,530658	32,663980	32,797303	32,930625	33,063947	33,197270
25	33,330592	33,463914	33,597237	33,730559	33,863882	33,997204	34,130526	34,263849	34,397171	34,530493
26	34,663816	34,797138	34,930461	35,063783	35,197105	35,330428	35,463750	35,597072	35,730395	35,863717
27	35,997039	36,130362	36,263684	36,397007	36,530329	36,663651	36,796974	36,930296	37,063618	37,196941
28	37,330263	37,463586	37,596908	37,730230	37,863553	37,996875	38,130197	38,263520	38,396842	38,530164
29	38,663487	38,796809	38,930132	39,063454	39,196776	39,330099	39,463421	39,596743	39,730066	39,863388
30	39,996711	40,130033	40,263355	40,396678	40,530000	40,663322	40,796645	40,929967	41,063289	41,196612
31	41,329934	41,463257	41,596579	41,729901	41,863224	41,996546	42,129868	42,263191	42,396513	42,529836
32	42,663158	42,796480	42,929803	43,063125	43,196447	43,329770	43,463092	43,596414	43,729737	43,863059
33	43,996382	44,129704	44,263026	44,396349	44,529671	44,662993	44,796316	44,929638	45,062961	45,196283
34	45,329605	45,462928	45,596250	45,729572	45,862895	45,996217	46,129539	46,262862	46,396184	46,529507
35	46,662829	46,796151	46,929474	47,062796	47,196118	47,329441	47,462763	47,596086	47,729408	47,862730
36	47,996053	48,129375	48,262697	48,396020	48,529342	48,662664	48,795987	48,929309	49,062632	49,195954
37	49,329276	49,462599	49,595921	49,729243	49,862566	49,995888	50,129211	50,262533	50,395855	50,529178
38	50,662500	50,795822	50,929145	51,062467	51,195789	51,329112	51,462434	51,595757	51,729079	51,862401
39	51,995724	52,129046	52,262368	52,395691	52,529013	52,662336	52,795658	52,928980	53,062303	53,195625
40	53,328947									

Fortsetzung Seite 2 bis 4

Ausschuß Normungstechnik (ANT) im Deutschen Normenausschuß (DNA)

Tabelle 1 (Fortsetzung von Seite 1)

Torr	0,0	0,1	0,2	0,3	0,4	0,5	0,6	0,7	0,8	0,9
	mbar									
40	53,328947	53,462270	53,595592	53,728914	53,862237	53,995559	54,128882	54,262204	54,395526	54,528849
41	54,662171	54,795493	54,928816	55,062138	55,195461	55,328783	55,462105	55,595428	55,728750	55,862072
42	55,995395	56,128717	56,262039	56,395362	56,528684	56,662007	56,795329	56,928651	57,061974	57,195296
43	57,328618	57,461941	57,595263	57,728586	57,861908	57,995230	58,128553	58,261875	58,395197	58,528520
44	58,661842	58,795164	58,928487	59,061809	59,195132	59,328454	59,461776	59,595099	59,728421	59,861743
45	59,995066	60,128388	60,261711	60,395033	60,528355	60,661678	60,795000	60,928322	61,061645	61,194967
46	61,328289	61,461612	61,594934	61,728257	61,861579	61,994901	62,128224	62,261546	62,394868	62,528191
47	62,661513	62,794836	62,928158	63,061480	63,194803	63,328125	63,461447	63,594770	63,728092	63,861414
48	63,994737	64,128059	64,261382	64,394704	64,528026	64,661349	64,794671	64,927993	65,061316	65,194638
49	65,327961	65,461283	65,594605	65,727928	65,861250	65,994572	66,127895	66,261217	66,394539	66,527862
50	66,661184	66,794507	66,927829	67,061151	67,194474	67,327796	67,461118	67,594441	67,727763	67,861086
51	67,994408	68,127730	68,261053	68,394375	68,527697	68,661020	68,794342	68,927664	69,060987	69,194309
52	69,327632	69,460954	69,594276	69,727599	69,860921	69,994243	70,127566	70,260888	70,394211	70,527533
53	70,660855	70,794178	70,927500	71,060822	71,194145	71,327467	71,460789	71,594112	71,727434	71,860757
54	71,994079	72,127401	72,260724	72,394046	72,527368	72,660691	72,794013	72,927336	73,060658	73,193980
55	73,327303	73,460625	73,593947	73,727270	73,860592	73,993914	74,127237	74,260559	74,393882	74,527204
56	74,660526	74,793849	74,927171	75,060493	75,193816	75,327138	75,460461	75,593783	75,727105	75,860428
57	75,993750	76,127072	76,260395	76,393717	76,527039	76,660362	76,793684	76,927007	77,060329	77,193651
58	77,326974	77,460296	77,593618	77,726941	77,860263	77,993586	78,126908	78,260230	78,393553	78,526875
59	78,660197	78,793520	78,926842	79,060164	79,193487	79,326809	79,460132	79,593454	79,726776	79,860099
60	79,993421	80,126743	80,260066	80,393388	80,526711	80,660033	80,793355	80,926678	81,060000	81,193322
61	81,326645	81,459967	81,593289	81,726612	81,859934	81,993257	82,126579	82,259901	82,393224	82,526546
62	82,659868	82,793191	82,926513	83,059836	83,193158	83,326480	83,459803	83,593125	83,726447	83,859770
63	83,993092	84,126414	84,259737	84,393059	84,526382	84,659704	84,793026	84,926349	85,059671	85,192993
64	85,326316	85,459638	85,592961	85,726283	85,859605	85,992928	86,126250	86,259572	86,392895	86,526217
65	86,659539	86,792862	86,926184	87,059507	87,192829	87,326151	87,459474	87,592796	87,726118	87,859441
66	87,992763	88,126086	88,259408	88,392730	88,526053	88,659375	88,792697	88,926020	89,059342	89,192664
67	89,325987	89,459309	89,592632	89,725954	89,859276	89,992599	90,125921	90,259243	90,392566	90,525888
68	90,659211	90,792533	90,925855	91,059178	91,192500	91,325822	91,459145	91,592467	91,725789	91,859112
69	91,992434	92,125757	92,259079	92,392401	92,525724	92,659046	92,792368	92,925691	93,059013	93,192336
70	93,325658	93,458980	93,592303	93,725625	93,858947	93,992270	94,125592	94,258914	94,392237	94,525559
71	94,658882	94,792204	94,925526	95,058849	95,192171	95,325493	95,458816	95,592138	95,725461	95,858783
72	95,992105	96,125428	96,258750	96,392072	96,525395	96,658717	96,792039	96,925362	97,058684	97,192007
73	97,325329	97,458651	97,591974	97,725296	97,858618	97,991941	98,125263	98,258586	98,391908	98,525230
74	98,658553	98,791875	98,925197	99,058520	99,191842	99,325164	99,458487	99,591809	99,725132	99,858454
75	99,991776	100,125099	100,258421	100,391743	100,525066	100,658388	100,791711	100,925033	101,058355	101,191678
76	101,325000	101,458322	101,591645	101,724967	101,858290	101,991612	102,124934	102,258257	102,391579	102,524901
77	102,658224	102,791546	102,924868	103,058191	103,191513	103,324836	103,458158	103,591480	103,724803	103,858125
78	103,991447	104,124770	104,258092	104,391415	104,524737	104,658059	104,791382	104,924704	105,058026	105,191349
79	105,324671	105,457993	105,591316	105,724638	105,857961	105,991283	106,124605	106,257928	106,391250	106,524572
80	106,657895	106,791217	106,924540	107,057862	107,191184	107,324507	107,457829	107,591151	107,724474	107,857796
81	107,991118	108,124441	108,257763	108,391086	108,524408	108,657730	108,791053	108,924375	109,057697	109,191020
82	109,324342	109,457665	109,590987	109,724309	109,857632	109,990954	110,124276	110,257599	110,390921	110,524243
83	110,657566	110,790888	110,924211	111,057533	111,190855	111,324178	111,457500	111,590822	111,724145	111,857467
84	111,990790	112,124112	112,257434	112,390757	112,524079	112,657401	112,790724	112,924046	113,057368	113,190691
85	113,324013	113,457336	113,590658	113,723980	113,857303	113,990625	114,123947	114,257270	114,390592	114,523915
86	114,657237	114,790559	114,923882	115,057204	115,190526	115,323849	115,457171	115,590493	115,723816	115,857138
87	115,990461	116,123783	116,257105	116,390428	116,523750	116,657072	116,790395	116,923717	117,057040	117,190362
88	117,323684	117,457007	117,590329	117,723651	117,856974	117,990296	118,123618	118,256941	118,390263	118,523586
89	118,656908	118,790230	118,923553	119,056875	119,190197	119,323520	119,456842	119,590165	119,723487	119,856809
90	119,990132	120,123454	120,256776	120,390099	120,523421	120,656743	120,790066	120,923388	121,056711	121,190033
91	121,323355	121,456678	121,590000	121,723322	121,856645	121,989967	122,123290	122,256612	122,389934	122,523257
92	122,656579	122,789901	122,923224	123,056546	123,189868	123,323191	123,456513	123,589836	123,723158	123,856480
93	123,989803	124,123125	124,256447	124,389770	124,523092	124,656415	124,789737	124,923059	125,056382	125,189704
94	125,323026	125,456349	125,589671	125,722993	125,856316	125,989638	126,122961	126,256283	126,389605	126,522928
95	126,656250	126,789572	126,922895	127,056217	127,189540	127,322862	127,456184	127,589507	127,722829	127,856151
96	127,989474	128,122796	128,256118	128,389441	128,522763	128,656086	128,789408	128,922730	129,056053	129,189375
97	129,322697	129,456020	129,589342	129,722665	129,855987	129,989309	130,122632	130,255954	130,389276	130,522599
98	130,655921	130,789243	130,922566	131,055888	131,189211	131,322533	131,455855	131,589178	131,722500	131,855822
99	131,989145	132,122467	132,255790	132,389112	132,522434	132,655757	132,789079	132,922401	133,055724	133,189046
100	133,322368									

Anwendungsbeispiele unter Aufrechterhalten der Genauigkeit der Werte in Tabelle 1:

0,4 Torr = 0,533289 mbar
 4,1 Torr = 5,466217 mbar
 410 Torr = 546,62171 mbar

4153 Torr = ? mbar
 4150 Torr = 5532,8783 mbar
 3 Torr = 3,9997 mbar
 4153 Torr = 5536,8780 mbar



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