

B.

Tabelle

der

für den Halbmesser 100 berechneten Längen der
Tangenten beziehungsweise Cotangenten als Behelf
für die Konstruktion der Winkel von 0° bis 360° .

cotg	270	271	272	273	274	275	276	277	278	279	cotg
tg	180	181	182	183	184	185	186	187	188	189	tg
cotg	90	91	92	93	94	95	96	97	98	99	cotg
tg	0°	1°	2°	3°	4°	5°	6°	7°	8°	9°	tg
/	M e t e r										/
0	0·0	1·7	3·5	5·2	7·0	8·7	10·5	12·3	14·1	15·8	60
2	0·0	1·8	3·6	5·3	7·1	8·8	10·6	12·3	14·1	15·9	58
4	0·1	1·9	3·6	5·4	7·1	8·9	10·6	12·4	14·2	16·0	56
6	0·2	1·9	3·7	5·4	7·2	8·9	10·7	12·5	14·2	16·0	54
8	0·2	2·0	3·7	5·5	7·2	9·0	10·7	12·5	14·3	16·1	52
10	0·3	2·0	3·8	5·5	7·3	9·0	10·8	12·6	14·4	16·1	50
12	0·3	2·1	3·8	5·6	7·3	9·1	10·9	12·6	14·4	16·2	48
14	0·4	2·2	3·9	5·6	7·4	9·2	10·9	12·7	14·5	16·3	46
16	0·5	2·2	4·0	5·7	7·5	9·2	11·0	12·8	14·5	16·3	44
18	0·5	2·3	4·0	5·8	7·5	9·3	11·0	12·8	14·6	16·4	42
20	0·6	2·3	4·1	5·8	7·6	9·3	11·1	12·9	14·6	16·4	40
22	0·6	2·4	4·1	5·9	7·6	9·4	11·2	12·9	14·7	16·5	38
24	0·7	2·4	4·2	5·9	7·7	9·5	11·2	13·0	14·8	16·6	36
26	0·8	2·5	4·2	6·0	7·8	9·5	11·3	13·0	14·8	16·6	34
28	0·8	2·6	4·3	6·1	7·8	9·6	11·3	13·1	14·9	16·7	32
30	0·9	2·6	4·4	6·1	7·9	9·6	11·4	13·2	14·9	16·7	30
32	0·9	2·7	4·4	6·2	7·9	9·7	11·5	13·2	15·0	16·8	28
34	1·0	2·7	4·5	6·2	8·0	9·7	11·5	13·3	15·1	16·9	26
36	1·0	2·8	4·5	6·3	8·0	9·8	11·6	13·3	15·1	16·9	24
38	1·1	2·9	4·6	6·3	8·1	9·9	11·6	13·4	15·2	17·0	22
40	1·2	2·9	4·7	6·4	8·2	9·9	11·7	13·5	15·2	17·0	20
42	1·2	3·0	4·7	6·5	8·2	10·0	11·7	13·5	15·3	17·1	18
44	1·3	3·0	4·8	6·5	8·3	10·0	11·8	13·6	15·4	17·2	16
46	1·3	3·1	4·8	6·6	8·3	10·1	11·9	13·6	15·4	17·2	14
48	1·4	3·1	4·9	6·6	8·4	10·2	11·9	13·7	15·5	17·3	12
50	1·5	3·2	4·9	6·7	8·5	10·2	12·0	13·8	15·5	17·3	10
52	1·5	3·3	5·0	6·8	8·5	10·3	12·0	13·8	15·6	17·4	8
54	1·6	3·3	5·1	6·8	8·6	10·3	12·1	13·9	15·7	17·5	6
56	1·6	3·4	5·1	6·9	8·6	10·4	12·2	13·9	15·7	17·5	4
58	1·7	3·4	5·2	6·9	8·7	10·5	12·2	14·0	15·8	17·6	2
60	1·7	3·5	5·2	7·0	8·7	10·5	12·3	14·1	15·8	17·6	0
/	M e t e r										/
cotg	89°	88°	87°	86°	85°	84°	83°	82°	81°	80°	cotg
tg	179	178	177	176	175	174	173	172	171	170	tg
cotg	269	268	267	266	265	264	263	262	261	260	cotg
tg	359	358	357	356	355	354	353	352	351	350	tg

cotg	280	281	282	283	284	285	286	287	288	289	cotg
tg	190	191	192	193	194	195	196	197	198	199	tg
cotg	100	101	102	103	104	105	106	107	108	109	cotg
tg	10°	11°	12°	13°	14°	15°	16°	17°	18°	19°	tg
/	M e t e r										/
0	17·6	19·4	21·3	23·1	24·9	26·8	28·7	30·6	32·5	34·4	60
2	17·7	19·5	21·3	23·1	25·0	26·9	28·7	30·6	32·6	34·5	58
4	17·8	19·6	21·4	23·2	25·1	26·9	28·8	30·7	32·6	34·6	56
6	17·8	19·6	21·4	23·3	25·1	27·0	28·9	30·8	32·7	34·6	54
8	17·9	19·7	21·5	23·3	25·2	27·0	28·9	30·8	32·7	34·7	52
10	17·9	19·7	21·6	23·4	25·2	27·1	29·0	30·9	32·8	34·8	50
12	18·0	19·8	21·6	23·5	25·3	27·2	29·1	31·0	32·9	34·8	48
14	18·1	19·9	21·7	23·5	25·4	27·2	29·1	31·0	32·9	34·9	46
16	18·1	19·9	21·7	23·6	25·4	27·3	29·2	31·1	33·0	35·0	44
18	18·2	20·0	21·8	23·6	25·5	27·4	29·2	31·1	33·1	35·0	42
20	18·2	20·0	21·9	23·7	25·6	27·4	29·3	31·2	33·1	35·1	40
22	18·3	20·1	21·9	23·8	25·6	27·5	29·4	31·3	33·2	35·2	38
24	18·4	20·2	22·0	23·8	25·7	27·5	29·4	31·3	33·3	35·2	36
26	18·4	20·2	22·0	23·9	25·7	27·6	29·5	31·4	33·3	35·3	34
28	18·5	20·3	22·1	23·9	25·8	27·7	29·6	31·5	33·4	35·3	32
30	18·5	20·3	22·2	24·0	25·9	27·7	29·6	31·5	33·5	35·4	30
32	18·6	20·4	22·2	24·1	25·9	27·8	29·7	31·6	33·5	35·5	28
34	18·7	20·5	22·3	24·1	26·0	27·9	29·7	31·7	33·6	35·5	26
36	18·7	20·5	22·4	24·2	26·0	27·9	29·8	31·7	33·7	35·6	24
38	18·8	20·6	22·4	24·3	26·1	28·0	29·9	31·8	33·7	35·7	22
40	18·8	20·6	22·5	24·3	26·2	28·0	29·9	31·8	33·8	35·7	20
42	18·9	20·7	22·5	24·4	26·2	28·1	30·0	31·9	33·8	35·8	18
44	19·0	20·8	22·6	24·4	26·3	28·2	30·1	32·0	33·9	35·9	16
46	19·0	20·8	22·7	24·5	26·4	28·2	30·1	32·0	34·0	35·9	14
48	19·1	20·9	22·7	24·6	26·4	28·3	30·2	32·1	34·0	36·0	12
50	19·1	21·0	22·8	24·6	26·5	28·4	30·3	32·2	34·1	36·1	10
52	19·2	21·0	22·8	24·7	26·5	28·4	30·3	32·2	34·2	36·1	8
54	19·3	21·1	22·9	24·7	26·6	28·5	30·4	32·3	34·2	36·2	6
56	19·3	21·1	23·0	24·8	26·7	28·5	30·4	32·4	34·3	36·3	4
58	19·4	21·2	23·0	24·9	26·7	28·6	30·5	32·4	34·4	36·3	2
60	19·4	21·3	23·1	24·9	26·8	28·7	30·6	32·5	34·4	36·4	0
/	M e t e r										/
cotg	79°	78°	77°	76°	75°	74°	73°	72°	71°	70°	cotg
tg	169	168	167	166	165	164	163	162	161	160	tg
cotg	259	258	257	256	255	254	253	252	251	250	cotg
tg	349	348	347	346	345	344	343	342	341	340	tg

cotg	290	291	292	293	294	295	296	297	298	299	cotg
tg	200	201	202	203	204	205	206	207	208	209	tg
cotg	110	111	112	113	114	115	116	117	118	119	cotg
tg	20°	21°	22°	23°	24°	25°	26°	27°	28°	29°	tg
/	M e t e r										/
0	36.4	38.4	40.4	42.4	44.5	46.6	48.8	51.0	53.2	55.4	60
2	36.5	38.5	40.5	42.5	44.6	46.7	48.8	51.0	53.2	55.5	58
4	36.5	38.5	40.5	42.6	44.7	46.8	48.9	51.1	53.3	55.6	56
6	36.6	38.6	40.6	42.7	44.7	46.8	49.0	51.2	53.4	55.7	54
8	36.7	38.7	40.7	42.7	44.8	46.9	49.1	51.2	53.5	55.7	52
10	36.7	38.7	40.7	42.8	44.9	47.0	49.1	51.3	53.5	55.8	50
12	36.8	38.8	40.8	42.9	44.9	47.1	49.2	51.4	53.6	55.9	48
14	36.9	38.9	40.9	42.9	45.0	47.1	49.3	51.5	53.7	56.0	46
16	36.9	38.9	40.9	43.0	45.1	47.2	49.4	51.5	53.8	56.0	44
18	37.0	39.0	41.0	43.1	45.2	47.3	49.4	51.6	53.8	56.1	42
20	37.1	39.1	41.1	43.1	45.2	47.3	49.5	51.7	53.9	56.2	40
22	37.1	39.1	41.1	43.2	45.3	47.4	49.6	51.8	54.0	56.3	38
24	37.2	39.2	41.2	43.3	45.4	47.5	49.6	51.8	54.1	56.3	36
26	37.3	39.3	41.3	43.3	45.4	47.6	49.7	51.9	54.1	56.4	34
28	37.3	39.3	41.4	43.4	45.5	47.6	49.8	52.0	54.2	56.5	32
30	37.4	39.4	41.4	43.5	45.6	47.7	49.9	52.1	54.3	56.6	30
32	37.5	39.5	41.5	43.6	45.6	47.8	49.9	52.1	54.4	56.7	28
34	37.5	39.5	41.6	43.6	45.7	47.8	50.0	52.2	54.4	56.7	26
36	37.6	39.6	41.6	43.7	45.8	47.9	50.1	52.3	54.5	56.8	24
38	37.7	39.7	41.7	43.8	45.9	48.0	50.1	52.4	54.6	56.9	22
40	37.7	39.7	41.8	43.8	45.9	48.1	50.2	52.4	54.7	57.0	20
42	37.8	39.8	41.8	43.9	46.0	48.1	50.3	52.5	54.7	57.0	18
44	37.9	39.9	41.9	44.0	46.1	48.2	50.4	52.6	54.8	57.1	16
46	37.9	39.9	42.0	44.0	46.1	48.3	50.4	52.6	54.9	57.2	14
48	38.0	40.0	42.0	44.1	46.2	48.3	50.5	52.7	55.0	57.3	12
50	38.1	40.1	42.1	44.2	46.3	48.4	50.6	52.8	55.1	57.3	10
52	38.1	40.1	42.2	44.2	46.3	48.5	50.7	52.9	55.1	57.4	8
54	38.2	40.2	42.2	44.3	46.4	48.6	50.7	52.9	55.2	57.5	6
56	38.3	40.3	42.3	44.4	46.5	48.6	50.8	53.0	55.3	57.6	4
58	38.3	40.3	42.4	44.5	46.6	48.7	50.9	53.1	55.4	57.7	2
60	38.4	40.4	42.4	44.5	46.6	48.8	51.0	53.2	55.4	57.7	0
/	M e t e r										/
cotg	69°	68°	67°	66°	65°	64°	63°	62°	61°	60°	cotg
tg	159	158	157	156	155	154	153	152	151	150	tg
cotg	249	248	247	246	245	244	243	242	241	240	cotg
tg	339	338	337	336	335	334	333	332	331	330	tg

cotg	300	301	302	303	304	305	306	307	308	309	cotg
tg	210	211	212	213	214	215	216	217	218	219	tg
cotg	120	121	122	123	124	125	126	127	128	129	cotg
tg	30°	31°	32°	33°	34°	35°	36°	37°	38°	39°	tg
<i>l</i>	M e t e r										<i>l</i>
0	57.7	60.1	62.5	64.9	67.5	70.0	72.7	75.4	78.1	81.0	60
2	57.8	60.2	62.6	65.0	67.5	70.1	72.7	75.4	78.2	81.1	58
4	57.9	60.2	62.6	65.1	67.6	70.2	72.8	75.5	78.3	81.2	56
6	58.0	60.3	62.7	65.2	67.7	70.3	72.9	75.6	78.4	81.3	54
8	58.0	60.4	62.8	65.3	67.8	70.4	73.0	75.7	78.5	81.4	52
10	58.1	60.5	62.9	65.4	67.9	70.5	73.1	75.8	78.6	81.5	50
12	58.2	60.6	63.0	65.4	68.0	70.5	73.2	75.9	78.7	81.6	48
14	58.3	60.6	63.1	65.5	68.0	70.6	73.3	76.0	78.8	81.7	46
16	58.4	60.7	63.1	65.6	68.1	70.7	73.4	76.1	78.9	81.8	44
18	58.4	60.8	63.2	65.7	68.2	70.8	73.5	76.2	79.0	81.8	42
20	58.5	60.9	63.3	65.8	68.3	70.9	73.5	76.3	79.1	81.9	40
22	58.6	61.0	63.4	65.9	68.4	71.0	73.6	76.4	79.2	82.0	38
24	58.7	61.0	63.5	65.9	68.5	71.1	73.7	76.5	79.3	82.1	36
26	58.7	61.1	63.5	66.0	68.6	71.2	73.8	76.5	79.4	82.2	34
28	58.8	61.2	63.6	66.1	68.6	71.2	73.9	76.6	79.4	82.3	32
30	58.9	61.3	63.7	66.2	68.7	71.3	74.0	76.7	79.5	82.4	30
32	59.0	61.4	63.8	66.3	68.8	71.4	74.1	76.8	79.6	82.5	28
34	59.1	61.4	63.9	66.4	68.9	71.5	74.2	76.9	79.7	82.6	26
36	59.1	61.5	64.0	66.4	69.0	71.6	74.3	77.0	79.8	82.7	24
38	59.2	61.6	64.0	66.5	69.1	71.7	74.4	77.1	79.9	82.8	22
40	59.3	61.7	64.1	66.6	69.2	71.8	74.4	77.2	80.0	82.9	20
42	59.4	61.8	64.2	66.7	69.2	71.9	74.5	77.3	80.1	83.0	18
44	59.5	61.8	64.3	66.8	69.3	71.9	74.6	77.4	80.2	83.1	16
46	59.5	61.9	64.4	66.9	69.4	72.0	74.7	77.5	80.3	83.2	14
48	59.6	62.0	64.4	66.9	69.5	72.1	74.8	77.6	80.4	83.3	12
50	59.7	62.1	64.5	67.0	69.6	72.2	74.9	77.7	80.5	83.4	10
52	59.8	62.2	64.6	67.1	69.7	72.3	75.0	77.8	80.6	83.5	8
54	59.8	62.2	64.7	67.2	69.8	72.4	75.1	77.8	80.7	83.6	6
56	59.9	62.3	64.8	67.3	69.8	72.5	75.2	77.9	80.8	83.7	4
58	60.0	62.4	64.9	67.4	69.9	72.6	75.3	78.0	80.9	83.8	2
60	60.1	62.5	64.9	67.5	70.0	72.7	75.4	78.1	81.0	83.9	0
<i>l</i>	M e t e r										<i>l</i>
cotg	59°	58°	57°	56°	55°	54°	53°	52°	51°	50°	cotg
tg	149	148	147	146	145	144	143	142	141	140	tg
cotg	239	238	237	236	235	234	233	232	231	230	cotg
tg	329	328	327	326	325	324	323	322	321	320	tg

cotg	310	311	312	313	314	cotg
tg	220	221	222	223	224	tg
cotg	130	131	132	133	134	cotg
tg	40°	41°	42°	43°	44°	tg
/	M e t e r					/
0	83·9	86·9	90·0	93·3	96·6	60
2	84·0	87·0	90·1	93·4	96·7	58
4	84·1	87·1	90·3	93·5	96·8	56
6	84·2	87·2	90·4	93·6	96·9	54
8	84·3	87·3	90·5	93·7	97·0	52
10	84·4	87·4	90·6	93·8	97·1	50
12	84·5	87·5	90·7	93·9	97·2	48
14	84·6	87·6	90·8	94·0	97·4	46
16	84·7	87·7	90·9	94·1	97·5	44
18	84·8	87·9	91·0	94·2	97·6	42
20	84·9	88·0	91·1	94·3	97·7	40
22	85·0	88·1	91·2	94·5	97·8	38
24	85·1	88·2	91·3	94·6	97·9	36
26	85·2	88·3	91·4	94·7	98·0	34
28	85·3	88·4	91·5	94·8	98·2	32
30	85·4	88·5	91·6	94·9	98·3	30
32	85·5	88·6	91·7	95·0	98·4	28
34	85·6	88·7	91·8	95·1	98·5	26
36	85·7	88·8	92·0	95·2	98·6	24
38	85·8	88·9	92·1	95·3	98·7	22
40	85·9	89·0	92·2	95·5	98·8	20
42	86·0	89·1	92·3	95·6	99·0	18
44	86·1	89·2	92·4	95·7	99·1	16
46	86·2	89·3	92·5	95·8	99·2	14
48	86·3	89·4	92·6	95·9	99·3	12
50	86·4	89·5	92·7	96·0	99·4	10
52	86·5	89·6	92·8	96·1	99·5	8
54	86·6	89·7	92·9	96·2	99·7	6
56	86·7	89·8	93·0	96·3	99·8	4
58	86·8	89·9	93·1	96·5	99·9	2
60	86·9	90·0	93·3	96·6	100·0	0
/	M e t e r					/
cotg	49°	48°	47°	46°	45°	cotg
tg	139	138	137	136	135	tg
cotg	229	228	227	226	225	cotg
tg	319	318	317	316	315	tg

Die Anwendung der Tabelle wird durch die nachstehende Darstellung veranschaulicht. Dieselbe betrifft die Konstruktion der Winkel:

<i>AC I</i>	=	32° 26'	auf Grund des Tabellenwertes:	tg	=	63·5	m
<i>AC II</i>	=	63° 44'	" " "	"	cotg	=	49·4 "
<i>AC III</i>	=	113° 14'	" " "	"	cotg	=	42·9 "
<i>AC IV</i>	=	146° 30'	" " "	"	tg	=	66·2 "
<i>AC V</i>	=	214° 10'	" " "	"	tg	=	67·9 "
<i>AC VI</i>	=	249° 32'	" " "	"	cotg	=	37·3 "
<i>AC VII</i>	=	305° 40'	" " "	"	cotg	=	71·8 "
<i>AC VIII</i>	=	332° 10'	" " "	"	tg	=	52·8 "

