

Umschlingungswinkeltabelle

Die Tabelle zeigt die Abhängigkeit der resultierenden Kraft (in %) vom Umschlingungswinkel (α).

Sie errechnet sich nach der Formel: Resultierende (%) = $2 * \sin(\alpha/2) * 100$

Umschl. Grad	Resultierende %	Umschl. Grad	Resultierende %	Umschl. Grad	Resultierende %	Umschl. Grad	Resultierende %
1	1,745	45	76,537	90	141,421	135	184,776
2	3,490	46	78,146	91	142,650	136	185,437
3	5,235	47	79,750	92	143,868	137	186,084
4	6,980	48	81,347	93	145,075	138	186,716
5	8,724	49	82,939	94	146,271	139	187,334
6	10,467	50	84,524	95	147,455	140	187,939
7	12,210	51	86,102	96	148,629	141	188,528
8	13,951	52	87,674	97	149,791	142	189,104
9	15,692	53	89,240	98	150,942	143	189,665
10	17,431	54	90,798	99	152,081	144	190,211
11	19,169	55	92,350	100	153,209	145	190,743
12	20,906	56	93,894	101	154,325	146	191,261
13	22,641	57	95,432	102	155,429	147	191,764
14	24,374	58	96,962	103	156,522	148	192,252
15	26,105	59	98,485	104	157,602	149	192,726
16	27,835	60	100,000	105	158,671	150	193,185
17	29,562	61	101,508	106	159,727	151	193,630
18	31,287	62	103,008	107	160,771	152	194,059
19	33,010	63	104,500	108	161,803	153	194,474
20	34,730	64	105,984	109	162,823	154	194,874
21	36,447	65	107,460	110	163,830	155	195,259
22	38,162	66	108,928	111	164,825	156	195,630
23	39,874	67	110,387	112	165,808	157	195,985
24	41,582	68	111,839	113	166,777	158	196,325
25	43,288	69	113,281	114	167,734	159	196,651
26	44,990	70	114,715	115	168,678	160	196,962
27	46,689	71	116,141	116	169,610	161	197,257
28	48,384	72	117,557	117	170,528	162	197,538
29	50,076	73	118,965	118	171,433	163	197,803
30	51,764	74	120,363	119	172,326	164	198,054
31	53,448	75	121,752	120	173,205	165	198,289
32	55,127	76	123,132	121	174,071	166	198,509
33	56,803	77	124,503	122	174,924	167	198,714
34	58,474	78	125,864	123	175,763	168	198,904
35	60,141	79	127,216	124	176,590	169	199,079
36	61,803	80	128,558	125	177,402	170	199,239
37	63,461	81	129,890	126	178,201	171	199,383
38	65,114	82	131,212	127	178,987	172	199,513
39	66,761	83	132,524	128	179,759	173	199,627
40	68,404	84	133,826	129	180,517	174	199,726
41	70,041	85	135,118	130	181,262	175	199,810
42	71,674	86	136,400	131	181,992	176	199,878
43	73,300	87	137,671	132	182,709	177	199,931
44	74,921	88	138,932	133	183,412	178	199,970
		89	140,182	134	184,101	179	199,992
						180	200,000