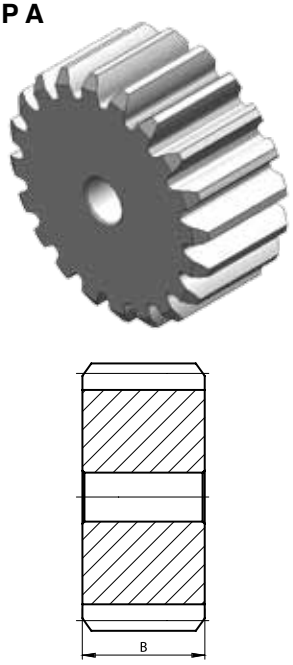
DÜZ DİŞLİLER

DIN 867

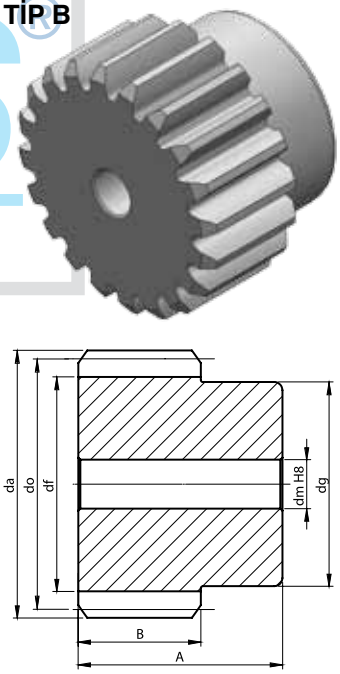
STANDART DÜZ ve HELİS DİŞLİLER

Diş Sayısı Z	1 Modül					1,5 Modül					2 Modül				
	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm
10	12	10	7.7	-	-	18.0	15.0	11.5	-	-	24	20	15.3	12	-
11	13	11	8.7	-	-	19.5	16.5	13.0	-	-	26	22	17.3	14	-
12	14	12	9.7	-	-	21.0	18.0	14.5	12	-	28	24	19.3	16	-
13	15	13	10.7	-	-	22.5	19.5	16.0	14	-	30	26	21.3	18	8
14	16	14	11.7	-	-	24.0	21.0	17.5	15	-	32	28	23.3	20	8
15	17	15	12.7	-	-	25.5	22.5	19.0	17	-	34	30	25.3	22	8
16	18	16	13.7	12	-	27.0	24.0	20.5	18	-	36	32	27.3	24	8
17	19	17	14.7	13	-	28.5	25.5	22.0	20	8	38	34	29.3	26	10
18	20	18	15.7	14	-	30.0	27.0	23.5	21	8	40	36	31.3	28	10
19	21	19	16.7	15	-	31.5	28.5	25.0	23	8	42	38	33.3	30	10
20	22	20	17.7	16	-	33.0	30.0	26.5	24	8	44	40	35.3	32	10
21	23	21	18.7	17	-	34.5	31.5	28.0	26	10	46	42	37.3	34	12
22	24	22	19.7	18	-	36.0	33.0	29.5	27	10	48	44	39.3	36	12
23	25	23	20.7	19	-	37.5	34.5	31.0	29	10	50	46	41.3	38	12
24	26	24	21.7	20	8	39.0	36.0	32.5	30	10	52	48	43.3	40	12
25	27	25	22.7	21	8	40.5	37.5	34.0	32	10	54	50	45.3	42	12
26	28	26	23.7	22	8	42.0	39.0	35.5	33	12	56	52	47.3	44	12
27	29	27	24.7	23	8	43.5	40.5	37.0	35	12	58	54	49.3	46	12
28	30	28	25.7	24	8	45.0	42.0	38.5	36	12	60	56	51.3	48	14
29	31	29	26.7	25	8	46.5	43.5	40.0	38	12	62	58	53.3	50	14
30	32	30	27.7	26	8	48.0	45.0	41.5	39	12	64	60	55.3	52	14
31	33	31	28.7	27	8	49.5	46.5	43.0	41	12	66	62	57.3	54	14
32	34	32	29.7	28	10	51.0	48.0	44.5	42	12	68	64	59.3	56	14
33	35	33	30.7	29	10	52.5	49.5	46.0	44	12	70	66	61.3	58	14
34	36	34	31.7	30	10	54.0	51.0	47.5	45	12	72	68	63.3	60	14
35	37	35	32.7	31	10	55.5	52.5	49.0	47	12	74	70	65.3	62	14
36	38	36	33.7	32	10	57.0	54.0	50.5	48	12	76	72	67.3	64	14
37	39	37	34.7	33	10	58.5	55.5	52.0	50	12	78	74	69.3	66	14
38	40	38	35.7	34	10	60.0	57.0	53.5	51	12	80	76	71.3	68	14
39	41	39	36.7	35	10	61.5	58.5	55.0	53	12	82	78	73.3	70	14
40	42	40	37.7	36	10	63.0	60.0	56.5	54	12	84	80	75.3	72	14
41	43	41	38.7	37	10	64.5	61.5	58.0	56	14	86	82	77.3	74	16
42	44	42	39.7	38	10	66.0	63.0	59.5	57	14	88	84	79.3	76	16
43	45	43	40.7	39	10	67.5	64.5	61.0	59	14	90	86	81.3	78	16
44	46	44	41.7	40	10	69.0	66.0	62.5	60	14	92	88	83.3	80	16
45	47	45	42.7	41	10	70.5	67.5	64.0	62	14	94	90	85.3	82	16
46	48	46	43.7	42	10	72.0	69.0	65.5	63	14	96	92	87.3	84	16
47	49	47	44.7	43	10	73.5	70.5	67.0	65	14	98	94	89.3	86	16
48	50	48	45.7	44	10	75.0	72.0	68.5	66	14	100	96	91.3	88	16
49	51	49	46.7	45	10	76.5	73.5	70.0	68	14	102	98	93.3	90	16
50	52	50	47.7	46	10	78.0	75.0	71.5	69	14	104	100	95.3	92	16
51	53	51	48.7	47	12	79.5	76.5	73.0	71	16	106	102	97.3	94	18
52	54	52	49.7	48	12	81.0	78.0	74.5	72	16	108	104	99.3	96	18
53	55	53	50.7	49	12	82.5	79.5	76.0	74	16	110	106	101.3	98	18
54	56	54	51.7	50	12	84.0	81.0	77.5	75	16	112	108	103.3	100	18
55	57	55	52.7	51	12	85.5	82.5	79.0	77	16	114	110	105.3	102	18
56	58	56	53.7	52	12	87.0	84.0	80.5	78	16	116	112	107.3	104	18
57	59	57	54.7	53	12	88.5	85.5	82.0	80	16	118	114	109.3	106	18
58	60	58	55.7	54	12	90.0	87.0	83.5	81	18	120	116	111.3	108	18
59	61	59	56.7	55	12	91.5	88.5	85.0	83	18	122	118	113.3	110	18
60	62	60	57.7	56	12	93.0	90.0	86.5	84	18	124	120	115.3	112	18
61	63	61	58.7	57	12	94.5	91.5	88.0	86	18	126	122	117.3	114	20
62	64	62	59.7	58	12	96.0	93.0	89.5	87	18	128	124	119.3	116	20
63	65	63	60.7	59	12	97.5	94.5	91.0	89	18	130	126	121.3	118	20
64	66	64	61.7	60	12	99.0	96.0	92.5	90	18	132	128	123.3	120	20
65	67	65	62.7	61	12	100.5	97.5	94.0	92	18	134	130	125.3	122	20
66	68	66	63.7	62	12	102.0	99.0	95.5	93	18	136	132	127.3	124	20
67	69	67	64.7	63	12	103.5	100.5	97.0	95	18	138	134	129.3	126	20
68	70	68	65.7	64	12	105.0	102.0	98.5	96	18	140	136	131.3	128	20
69	71	69	66.7	65	12	106.5	103.5	100.0	98	18	142	138	133.3	130	20
70	72	70	67.7	66	12	108.0	105.0	101.5	99	18	144	140	135.3	132	20
75	77	75	72.7	71	12	115.5	112.5	109.0	107	18	154	150	145.3	-	20
80	82	80	77.7	76	12	123.0	120.0	116.5	114	18	164	160	155.3	-	20
90	92	90	87.7	86	12	138.0	135.0	131.5	129	20	184	180	175.3	-	20
95	97	95	92.7	91	12	145.5	142.5	139.0	137	20	194	190	185.3	-	20
100	102	100	97.7	96	12	153.0	150.0	146.5	-	20	204	200	195.3	-	20
105	107	105	102.7	101	12	160.5	157.5	154.0	-	20	214	210	205.3	-	20
110	112	110	107.7	106	12	168.0	165.0	161.5	-	20	224	220	215.3	-	20
115	117	115	112.7	111	12	175.5	172.5	169.0	-	20	234	230	225.3	-	20
125	127	125	122.7	121	12	190.5	187.5	184.0	-	20	254	250	245.3	-	25

TİP A



TİP B



Modül	A	B
1	30	20
1.5	30	20
2	40	25
2.5	40	25
3	50	30
4	60	40
5	65	45
6	75	55
7	85	60
8	100	75
9	115	85
10	125	95

Profil Açısı $\alpha = 20°$ Helis Açısı $\beta = 0°$

YDS DİŞLİ

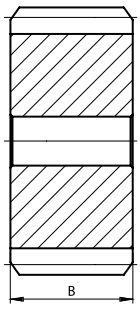
STANDART DÜZ ve HELİS DİŞLİLER

DÜZ DİŞLİLER

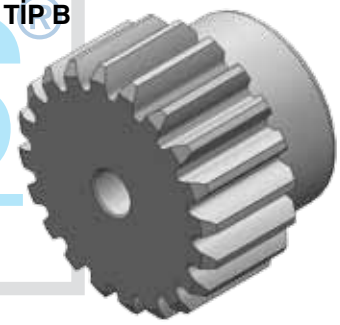
DIN 867

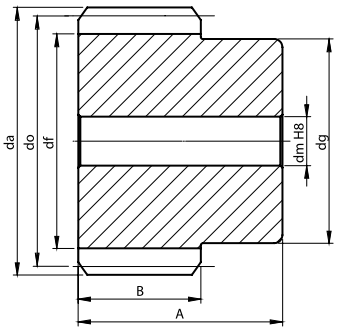
Diş Sayısı Z	2,5 Modül					3 Modül					4 Modül				
	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm
10	30.0	25.0	19.2	16	-	36	30	23.0	20	10	48	40	30.7	27	12
11	32.5	27.5	21.7	18	10	39	33	26.0	23	10	52	44	34.7	31	12
12	35.0	30.0	24.2	21	10	42	36	29.0	26	10	56	48	38.7	35	12
13	37.5	32.5	26.7	23	10	45	39	32.0	29	10	60	52	42.7	39	12
14	40.0	35.0	29.2	26	10	48	42	35.0	32	10	64	56	46.7	43	12
15	42.5	37.5	31.7	28	10	51	45	38.0	35	10	68	60	50.7	47	12
16	45.0	40.0	34.2	31	12	54	48	41.0	38	10	72	64	54.7	51	14
17	47.5	42.5	36.7	33	12	57	51	44.0	41	12	76	68	58.7	55	14
18	50.0	45.0	39.2	36	12	60	54	47.0	44	12	80	72	62.7	59	14
19	52.5	47.5	41.7	38	12	63	57	50.0	47	12	84	76	66.7	63	14
20	55.0	50.0	44.2	41	14	66	60	53.0	50	12	88	80	70.7	67	14
21	57.5	52.5	46.7	43	14	69	63	56.0	53	12	92	84	74.7	71	14
22	60.0	55.0	49.2	46	14	72	66	59.0	56	12	96	88	78.7	75	14
23	62.5	57.5	51.7	48	14	75	69	62.0	59	12	100	92	82.7	79	14
24	65.0	60.0	54.2	51	14	78	72	65.0	62	12	104	96	86.7	83	16
25	67.5	62.5	56.7	53	14	81	75	68.0	65	12	108	100	90.7	87	16
26	70.0	65.0	59.2	56	14	84	78	71.0	68	14	112	104	94.7	91	16
27	72.5	67.5	61.7	58	14	87	81	74.0	71	14	116	108	98.7	95	16
28	75.0	70.0	64.2	61	14	90	84	77.0	74	14	120	112	102.7	99	16
29	77.5	72.5	66.7	63	14	93	87	80.0	77	14	124	116	106.7	103	16
30	80.0	75.0	69.2	66	16	96	90	83.0	80	14	128	120	110.7	107	16
31	82.5	77.5	71.7	68	16	99	93	86.0	83	14	132	124	114.7	111	16
32	85.0	80.0	74.2	71	16	102	96	89.0	86	14	136	128	118.7	115	16
33	87.5	82.5	76.7	73	16	105	99	92.0	89	14	140	132	122.7	119	16
34	90.0	85.0	79.2	76	16	108	102	95.0	92	14	144	136	126.7	123	16
35	92.5	87.5	81.7	78	16	111	105	98.0	95	14	148	140	130.7	127	16
36	95.0	90.0	84.2	81	16	114	108	101.0	98	14	152	144	134.7	-	18
37	97.5	92.5	86.7	83	16	117	111	104.0	101	14	156	148	138.7	-	18
38	100.0	95.0	89.2	86	16	120	114	107.0	104	14	160	152	142.7	-	18
39	102.5	97.5	91.7	88	16	123	117	110.0	107	14	164	156	146.7	-	18
40	105.0	100.0	94.2	91	16	126	120	113.0	110	14	168	160	150.7	-	18
41	107.5	102.5	96.7	93	18	129	123	116.0	113	16	172	164	154.7	-	18
42	110.0	105.0	99.2	96	18	132	126	119.0	116	16	176	168	158.7	-	18
43	112.5	107.5	101.7	98	18	135	129	122.0	119	16	180	172	162.7	-	18
44	115.0	110.0	104.2	101	18	138	132	125.0	122	16	184	176	166.7	-	18
45	117.5	112.5	106.7	103	18	141	135	128.0	125	16	188	180	170.7	-	18
46	120.0	115.0	109.2	106	18	144	138	131.0	128	16	192	184	174.7	-	18
47	122.5	117.5	111.7	108	18	147	141	134.0	131	16	196	188	178.7	-	18
48	125.0	120.0	114.2	111	18	150	144	137.0	-	16	200	192	182.7	-	18
49	127.5	122.5	116.7	113	18	153	147	140.0	-	16	204	196	186.7	-	18
50	130.0	125.0	119.2	116	18	156	150	143.0	-	16	208	200	190.7	-	20
51	132.5	127.5	121.7	118	20	159	153	146.0	-	18	212	204	194.7	-	20
52	135.0	130.0	124.2	121	20	162	156	149.0	-	18	216	208	198.7	-	20
53	137.5	132.5	126.7	123	20	165	159	152.0	-	18	220	212	202.7	-	20
54	140.0	135.0	129.2	126	20	168	162	155.0	-	18	224	216	206.7	-	20
55	142.5	137.5	131.7	128	20	171	165	158.0	-	18	228	220	210.7	-	20
56	145.0	140.0	134.2	131	20	174	168	161.0	-	18	232	224	214.7	-	20
57	147.5	142.5	136.7	133	20	177	171	164.0	-	18	236	228	218.7	-	20
58	150.0	145.0	139.2	-	20	180	174	167.0	-	18	240	232	222.7	-	20
59	152.5	147.5	141.7	-	20	183	177	170.0	-	18	244	236	226.7	-	20
60	155.0	150.0	144.2	-	20	186	180	173.0	-	20	248	240	230.7	-	20
61	157.5	152.5	146.7	-	20	189	183	176.0	-	20	252	244	234.7	-	25
62	160.0	155.0	149.2	-	20	192	186	179.0	-	20	256	248	238.7	-	25
63	162.5	157.5	151.7	-	20	195	189	182.0	-	20	260	252	242.7	-	25
64	165.0	160.0	154.2	-	20	198	192	185.0	-	20	264	256	246.7	-	25
65	167.5	162.5	156.7	-	20	201	195	188.0	-	20	268	260	250.7	-	25
66	170.0	165.0	159.2	-	20	204	198	191.0	-	20	272	264	254.7	-	25
67	172.5	167.5	161.7	-	20	207	201	194.0	-	20	276	268	258.7	-	25
68	175.0	170.0	164.2	-	20	210	204	197.0	-	20	280	272	262.7	-	25
69	177.5	172.5	166.7	-	20	213	207	200.0	-	20	284	276	266.7	-	25
70	180.0	175.0	169.2	-	20	216	210	203.0	-	20	288	280	270.7	-	25
75	192.5	187.5	181.7	-	20	231	225	218.0	-	25	308	300	290.7	-	25
80	205.0	200.0	194.2	-	20	246	240	233.0	-	25	328	320	310.7	-	25
90	230.0	225.0	219.2	-	20	276	270	263.0	-	25	368	360	350.7	-	25
95	242.5	237.5	231.7	-	20	291	285	278.0	-	25	388	380	370.7	-	25
100	255.0	250.0	244.2	-	25	306	300	293.0	-	25	408	400	390.7	-	30
105	267.5	262.5	256.7	-	25	321	315	308.0	-	25	428	420	410.7	-	30
110	280.0	275.0	269.2	-	25	336	330	323.0	-	25	448	440	430.7	-	30
115	292.5	287.5	281.7	-	25	351	345	338.0	-	25	468	460	450.7	-	30
125	317.5	312.5	306.7	-	25	381	375	368.0	-	25	508	500	490.7	-	30

TİP A



TİP B





Modül	A	B
1	30	20
1.5	30	20
2	40	25
2.5	40	25
3	50	30
4	60	40
5	65	45
6	75	55
7	85	60
8	100	75
9	115	85
10	125	95

Profil Açısı $\alpha = 20°$ Helis Açısı $\beta = 0°$

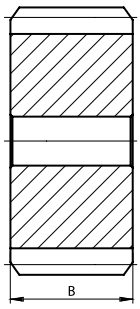
DÜZ DİŞLİLER

DIN 867

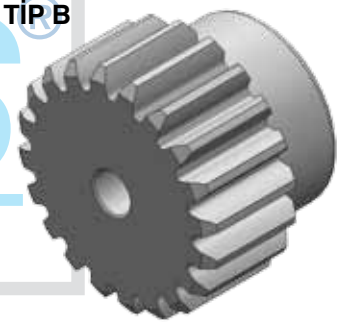
STANDART DÜZ ve HELİS DİŞLİLER

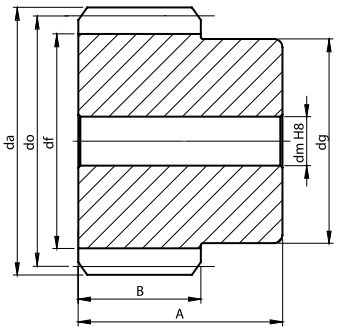
Diş Sayısı Z	5 Modül					6 Modül					7 Modül				
	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm
10	60	50	38.3	34	16	72	60	46.0	41	20	84	70	53.7	48	20
11	65	55	43.3	39	16	78	66	52.0	47	20	91	77	60.7	55	20
12	70	60	48.3	44	16	84	72	58.0	53	20	98	84	67.7	62	20
13	75	65	53.3	49	16	90	78	64.0	59	20	105	91	74.7	69	20
14	80	70	58.3	54	18	96	84	70.0	65	20	112	98	81.7	76	20
15	85	75	63.3	59	18	102	90	76.0	71	20	119	105	88.7	83	20
16	90	80	68.3	64	18	108	96	82.0	77	20	126	112	95.7	90	25
17	95	85	73.3	69	18	114	102	88.0	83	20	133	119	102.7	97	25
18	100	90	78.3	74	18	120	108	94.0	89	20	140	126	109.7	104	25
19	105	95	83.3	79	18	126	114	100.0	95	20	147	133	116.7	111	25
20	110	100	88.3	84	18	132	120	106.0	101	20	154	140	123.7	-	25
21	115	105	93.3	89	20	138	126	112.0	107	20	161	147	130.7	-	25
22	120	110	98.3	94	20	144	132	118.0	113	20	168	154	137.7	-	25
23	125	115	103.3	99	20	150	138	124.0	-	25	175	161	144.7	-	25
24	130	120	108.3	104	20	156	144	130.0	-	25	182	168	151.7	-	25
25	135	125	113.3	109	20	162	150	136.0	-	25	189	175	158.7	-	25
26	140	130	118.3	114	25	168	156	142.0	-	25	196	182	165.7	-	25
27	145	135	123.3	119	25	174	162	148.0	-	25	203	189	172.7	-	25
28	150	140	128.3	-	25	180	168	154.0	-	25	210	196	179.7	-	25
29	155	145	133.3	-	25	186	174	160.0	-	25	217	203	186.7	-	25
30	160	150	138.3	-	25	192	180	166.0	-	25	224	210	193.7	-	25
31	165	155	143.3	-	25	198	186	172.0	-	25	231	217	200.7	-	25
32	170	160	148.3	-	25	204	192	178.0	-	25	238	224	207.7	-	25
33	175	165	153.3	-	25	210	198	184.0	-	25	245	231	214.7	-	25
34	180	170	158.3	-	25	216	204	190.0	-	25	252	238	221.7	-	30
35	185	175	163.3	-	25	222	210	196.0	-	25	259	245	228.7	-	30
36	190	180	168.3	-	25	228	216	202.0	-	25	266	252	235.7	-	30
37	195	185	173.3	-	25	234	222	208.0	-	25	273	259	242.7	-	30
38	200	190	178.3	-	25	240	228	214.0	-	25	280	266	249.7	-	30
39	205	195	183.3	-	25	246	234	220.0	-	25	287	273	256.7	-	30
40	210	200	188.3	-	25	252	240	226.0	-	30	294	280	263.7	-	30
41	215	205	193.3	-	25	258	246	232.0	-	30	301	287	270.7	-	30
42	220	210	198.3	-	25	264	252	238.0	-	30	308	294	277.7	-	30
43	225	215	203.3	-	25	270	258	244.0	-	30	315	301	284.7	-	30
44	230	220	208.3	-	25	276	264	250.0	-	30	322	308	291.7	-	30
45	235	225	213.3	-	25	282	270	256.0	-	30	329	315	298.7	-	30
46	240	230	218.3	-	25	288	276	262.0	-	30	336	322	305.7	-	30
47	245	235	223.3	-	25	294	282	268.0	-	30	343	329	312.7	-	30
48	250	240	228.3	-	30	300	288	274.0	-	30	350	336	319.7	-	30
49	255	245	233.3	-	30	306	294	280.0	-	30	357	343	326.7	-	30
50	260	250	238.3	-	30	312	300	286.0	-	30	364	350	333.7	-	30
51	265	255	243.3	-	30	318	306	292.0	-	30	371	357	340.7	-	30
52	270	260	248.3	-	30	324	312	298.0	-	30	378	364	347.7	-	30
53	275	265	253.3	-	30	330	318	304.0	-	30	385	371	354.7	-	30
54	280	270	258.3	-	30	336	324	310.0	-	30	392	378	361.7	-	30
55	285	275	263.3	-	30	342	330	316.0	-	30	399	385	368.7	-	30
56	290	280	268.3	-	30	348	336	322.0	-	30	406	392	375.7	-	35
57	295	285	273.3	-	30	354	342	328.0	-	30	413	399	382.7	-	35
58	300	290	278.3	-	30	360	348	334.0	-	30	420	406	389.7	-	35
59	305	295	283.3	-	30	366	354	340.0	-	30	427	413	396.7	-	35
60	310	300	288.3	-	30	372	360	346.0	-	30	434	420	403.7	-	35
61	315	305	293.3	-	30	378	366	352.0	-	30	441	427	410.7	-	35
62	320	310	298.3	-	30	384	372	358.0	-	30	448	434	417.7	-	35
63	325	315	303.3	-	30	390	378	364.0	-	30	455	441	424.7	-	35
64	330	320	308.3	-	30	396	384	370.0	-	30	462	448	431.7	-	35
65	335	325	313.3	-	30	402	390	376.0	-	35	469	455	438.7	-	35
66	340	330	318.3	-	30	408	396	382.0	-	35	476	462	445.7	-	35
67	345	335	323.3	-	30	414	402	388.0	-	35	483	469	452.7	-	35
68	350	340	328.3	-	30	420	408	394.0	-	35	490	476	459.7	-	35
69	355	345	333.3	-	30	426	414	400.0	-	35	497	483	466.7	-	35
70	360	350	338.3	-	30	432	420	406.0	-	35	504	490	473.7	-	35
75	385	375	363.3	-	30	462	450	436.0	-	35	539	525	508.7	-	35
80	410	400	388.3	-	35	492	480	466.0	-	35	574	560	543.7	-	35
90	460	450	438.3	-	35	552	540	526.0	-	35	644	630	613.7	-	35
95	485	475	463.3	-	35	582	570	556.0	-	35	679	665	648.7	-	35
100	510	500	488.3	-	35	612	600	586.0	-	35	714	700	683.7	-	40
105	535	525	513.3	-	35	642	630	616.0	-	35	749	735	718.7	-	40
110	560	550	538.3	-	35	672	660	646.0	-	35	784	770	753.7	-	40
115	585	575	563.3	-	35	702	690	676.0	-	35	819	805	788.7	-	40
125	635	625	613.3	-	35	762	750	736.0	-	35	889	875	858.7	-	40

TİP A



TİP B





Modül	A	B
1	30	20
1.5	30	20
2	40	25
2.5	40	25
3	50	30
4	60	40
5	65	45
6	75	55
7	85	60
8	100	75
9	115	85
10	125	95

Profil Açısı $\alpha = 20°$ Helis Açısı $\beta = 0°$

YDS DİŞLİ

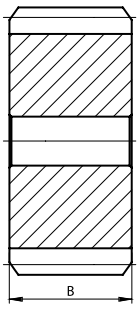
STANDART DÜZ ve HELİS DİŞLİLER

DÜZ DİŞLİLER

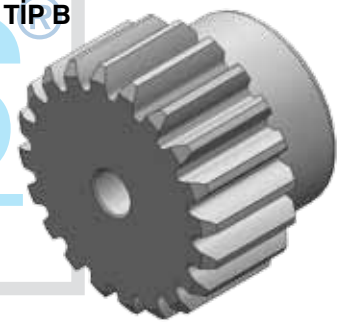
DIN 867

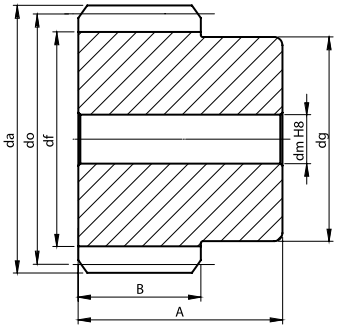
Diş Sayısı Z	8 Modül					9 Modül					10 Modül				
	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm
10	96	80	61.3	55	20	108	90	69.0	63	25	120	100	76.7	70	25
11	104	88	69.3	63	20	117	99	78.0	72	25	130	110	86.7	80	25
12	112	96	77.3	71	20	126	108	87.0	81	25	140	120	96.7	90	25
13	120	104	85.3	79	20	135	117	96.0	90	25	150	130	106.7	-	30
14	128	112	93.3	87	20	144	126	105.0	99	25	160	140	116.7	-	30
15	136	120	101.3	95	20	153	135	114.0	-	25	170	150	126.7	-	30
16	144	128	109.3	103	20	162	144	123.0	-	25	180	160	136.7	-	30
17	152	136	117.3	-	25	171	153	132.0	-	25	190	170	146.7	-	30
18	160	144	125.3	-	25	180	162	141.0	-	25	200	180	156.7	-	30
19	168	152	133.3	-	25	189	171	150.0	-	25	210	190	166.7	-	30
20	176	160	141.3	-	25	198	180	159.0	-	25	220	200	176.7	-	30
21	184	168	149.3	-	25	207	189	168.0	-	30	230	210	186.7	-	30
22	192	176	157.3	-	25	216	198	177.0	-	30	240	220	196.7	-	30
23	200	184	165.3	-	25	225	207	186.0	-	30	250	230	206.7	-	30
24	208	192	173.3	-	25	234	216	195.0	-	30	260	240	216.7	-	30
25	216	200	181.3	-	25	243	225	204.0	-	30	270	250	226.7	-	30
26	224	208	189.3	-	25	252	234	213.0	-	30	280	260	236.7	-	30
27	232	216	197.3	-	25	261	243	222.0	-	30	290	270	246.7	-	30
28	240	224	205.3	-	25	270	252	231.0	-	30	300	280	256.7	-	35
29	248	232	213.3	-	25	279	261	240.0	-	30	310	290	266.7	-	35
30	256	240	221.3	-	30	288	270	249.0	-	30	320	300	276.7	-	35
31	264	248	229.3	-	30	297	279	258.0	-	30	330	310	286.7	-	35
32	272	256	237.3	-	30	306	288	267.0	-	35	340	320	296.7	-	35
33	280	264	245.3	-	30	315	297	276.0	-	35	350	330	306.7	-	35
34	288	272	253.3	-	30	324	306	285.0	-	35	360	340	316.7	-	35
35	296	280	261.3	-	30	333	315	294.0	-	35	370	350	326.7	-	35
36	304	288	269.3	-	30	342	324	303.0	-	35	380	360	336.7	-	35
37	312	296	277.3	-	30	351	333	312.0	-	35	390	370	346.7	-	35
38	320	304	285.3	-	30	360	342	321.0	-	35	400	380	356.7	-	35
39	328	312	293.3	-	30	369	351	330.0	-	35	410	390	366.7	-	35
40	336	320	301.3	-	30	378	360	339.0	-	35	420	400	376.7	-	35
41	344	328	309.3	-	30	387	369	348.0	-	35	430	410	386.7	-	35
42	352	336	317.3	-	30	396	378	357.0	-	35	440	420	396.7	-	35
43	360	344	325.3	-	30	405	387	366.0	-	35	450	430	406.7	-	35
44	368	352	333.3	-	30	414	396	375.0	-	35	460	440	416.7	-	35
45	376	360	341.3	-	30	423	405	384.0	-	35	470	450	426.7	-	35
46	384	368	349.3	-	30	432	414	393.0	-	35	480	460	436.7	-	35
47	392	376	357.3	-	30	441	423	402.0	-	35	490	470	446.7	-	35
48	400	384	365.3	-	30	450	432	411.0	-	35	500	480	456.7	-	35
49	408	392	373.3	-	35	459	441	420.0	-	35	510	490	466.7	-	40
50	416	400	381.3	-	35	468	450	429.0	-	35	520	500	476.7	-	40
51	424	408	389.3	-	35	477	459	438.0	-	35	530	510	486.7	-	40
52	432	416	397.3	-	35	486	468	447.0	-	35	540	520	496.7	-	40
53	440	424	405.3	-	35	495	477	456.0	-	35	550	530	506.7	-	40
54	448	432	413.3	-	35	504	486	465.0	-	40	560	540	516.7	-	40
55	456	440	421.3	-	35	513	495	474.0	-	40	570	550	526.7	-	40
56	464	448	429.3	-	35	522	504	483.0	-	40	580	560	536.7	-	40
57	472	456	437.3	-	35	531	513	492.0	-	40	590	570	546.7	-	40
58	480	464	445.3	-	35	540	522	501.0	-	40	600	580	556.7	-	40
59	488	472	453.3	-	35	549	531	510.0	-	40	610	590	566.7	-	40
60	496	480	461.3	-	35	558	540	519.0	-	40	620	600	576.7	-	40
61	504	488	469.3	-	35	567	549	528.0	-	40	630	610	586.7	-	40
62	512	496	477.3	-	35	576	558	537.0	-	40	640	620	596.7	-	40
63	520	504	485.3	-	35	585	567	546.0	-	40	650	630	606.7	-	40
64	528	512	493.3	-	35	594	576	555.0	-	40	660	640	616.7	-	40
65	536	520	501.3	-	35	603	585	564.0	-	40	670	650	626.7	-	40
66	544	528	509.3	-	35	612	594	573.0	-	40	680	660	636.7	-	40
67	552	536	517.3	-	35	621	603	582.0	-	40	690	670	646.7	-	40
68	560	544	525.3	-	35	630	612	591.0	-	40	700	680	656.7	-	40
69	568	552	533.3	-	35	639	621	600.0	-	40	710	690	666.7	-	40
70	576	560	541.3	-	35	648	630	609.0	-	40	720	700	676.7	-	40
75	616	600	581.3	-	35	693	675	654.0	-	40	770	750	726.7	-	40
80	656	640	621.3	-	35	738	720	699.0	-	40	820	800	776.7	-	40
90	736	720	701.3	-	40	828	810	789.0	-	40	920	900	876.7	-	40
95	776	760	741.3	-	40	873	855	834.0	-	40	970	950	926.7	-	40
100	816	800	781.3	-	40	918	900	879.0	-	40	1020	1000	976.7	-	50
105	856	840	821.3	-	40	963	945	924.0	-	40	1070	1050	1026.7	-	50
110	896	880	861.3	-	40	1008	990	969.0	-	50	1120	1100	1076.7	-	50
115	936	920	901.3	-	40	1053	1035	1014	-	50	1170	1150	1126.7	-	50
125	1016	1000	981.3	-	40	1143	1125	1104	-	50	1270	1250	1226.7	-	50

TİP A



TİP B





Modül	A	B
1	30	20
1.5	30	20
2	40	25
2.5	40	25
3	50	30
4	60	40
5	65	45
6	75	55
7	85	60
8	100	75
9	115	85
10	125	95

Profil Açısı $\alpha = 20°$ Helis Açısı $\beta = 0°$

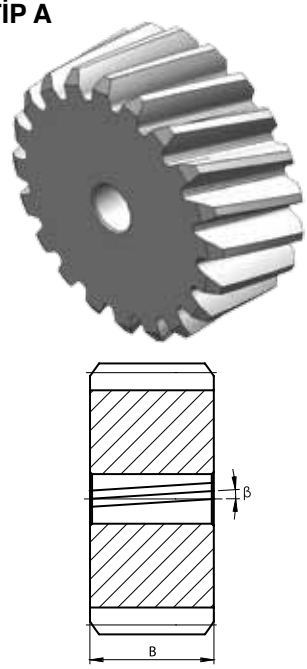
HELİS DİŞLİLER

DIN 867

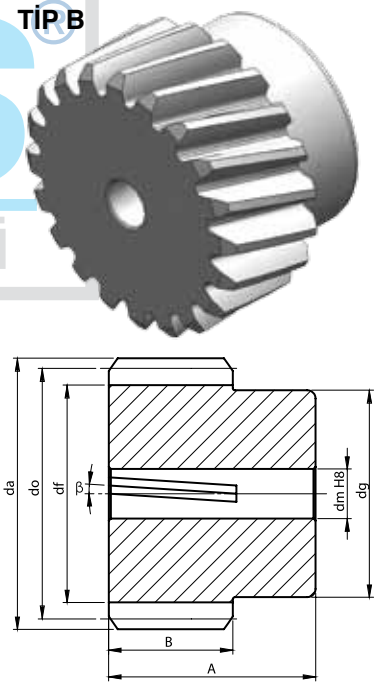
STANDART
DÜZ ve HELİS DİŞLİLER

Diş Sayısı Z	1 Modül					1,5 Modül					2 Modül				
	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm
10	12.6	10.64	8.3	-	-	19.0	15.96	12.5	-	-	25.3	21.28	16.6	14	-
11	13.7	11.71	9.4	-	-	20.6	17.56	14.1	12	-	27.4	23.41	18.7	16	-
12	14.8	12.77	10.4	-	-	22.2	19.16	15.7	13	-	29.5	25.54	20.9	18	-
13	15.8	13.83	11.5	-	-	23.8	20.75	17.3	15	-	31.7	27.67	23.0	20	8
14	16.9	14.90	12.6	-	-	25.3	22.35	18.8	17	-	33.8	29.80	25.1	22	8
15	18.0	15.96	13.6	12	-	26.9	23.94	20.4	18	-	35.9	31.93	27.3	24	8
16	19.0	17.03	14.7	13	-	28.5	25.54	22.0	20	-	38.1	34.05	29.4	26	8
17	20.1	18.09	15.8	14	-	30.1	27.14	23.6	21	8	40.2	36.18	31.5	29	10
18	21.2	19.16	16.8	15	-	31.7	28.73	25.2	23	8	42.3	38.31	33.6	31	10
19	22.2	20.22	17.9	16	-	33.3	30.33	26.8	25	8	44.4	40.44	35.8	33	10
20	23.3	21.28	19.0	17	-	34.9	31.93	28.4	26	8	46.6	42.57	37.9	35	10
21	24.3	22.35	20.0	19	-	36.5	33.52	30.0	28	10	48.7	44.70	40.0	37	12
22	25.4	23.41	21.1	20	-	38.1	35.12	31.6	29	10	50.8	46.82	42.2	39	12
23	26.5	24.48	22.1	21	-	39.7	36.71	33.2	31	10	53.0	48.95	44.3	41	12
24	27.5	25.54	23.2	22	8	41.3	38.31	34.8	33	10	55.1	51.08	46.4	43	12
25	28.6	26.60	24.3	23	8	42.9	39.91	36.4	34	10	57.2	53.21	48.5	46	12
26	29.7	27.67	25.3	24	8	44.5	41.50	38.0	36	12	59.3	55.34	50.7	48	12
27	30.7	28.73	26.4	25	8	46.1	43.10	39.6	37	12	61.5	57.47	52.8	50	12
28	31.8	29.80	27.5	26	8	47.7	44.70	41.2	39	12	63.6	59.59	54.9	52	14
29	32.9	30.86	28.5	27	8	49.3	46.29	42.8	40	12	65.7	61.72	57.1	54	14
30	33.9	31.93	29.6	28	8	50.9	47.89	44.4	42	12	67.9	63.85	59.2	56	14
31	35.0	32.99	30.7	29	8	52.5	49.48	46.0	44	12	70.0	65.98	61.3	58	14
32	36.1	34.05	31.7	30	10	54.1	51.08	47.6	45	12	72.1	68.11	63.4	60	14
33	37.1	35.12	32.8	31	10	55.7	52.68	49.2	47	12	74.2	70.24	65.6	63	14
34	38.2	36.18	33.9	32	10	57.3	54.27	50.8	48	12	76.4	72.36	67.7	65	14
35	39.2	37.25	34.9	33	10	58.9	55.87	52.4	50	12	78.5	74.49	69.8	67	14
36	40.3	38.31	36.0	34	10	60.5	57.47	54.0	52	12	80.6	76.62	72.0	69	14
37	41.4	39.37	37.0	36	10	62.1	59.06	55.6	53	12	82.7	78.75	74.1	71	14
38	42.4	40.44	38.1	37	10	63.7	60.66	57.2	55	12	84.9	80.88	76.2	73	14
39	43.5	41.50	39.2	38	10	65.3	62.25	58.8	56	12	87.0	83.01	78.3	75	14
40	44.6	42.57	40.2	39	10	66.9	63.85	60.4	58	12	89.1	85.13	80.5	77	14
41	45.6	43.63	41.3	40	10	68.4	65.45	61.9	60	14	91.3	87.26	82.6	80	16
42	46.7	44.70	42.4	41	10	70.0	67.04	63.5	61	14	93.4	89.39	84.7	82	16
43	47.8	45.76	43.4	42	10	71.6	68.64	65.1	63	14	95.5	91.52	86.9	84	16
44	48.8	46.82	44.5	43	10	73.2	70.24	66.7	64	14	97.6	93.65	89.0	86	16
45	49.9	47.89	45.6	44	10	74.8	71.83	68.3	66	14	99.8	95.78	91.1	88	16
46	51.0	48.95	46.6	45	10	76.4	73.43	69.9	68	14	101.9	97.90	93.2	90	16
47	52.0	50.02	47.7	46	10	78.0	75.02	71.5	69	14	104.0	100.03	95.4	92	16
48	53.1	51.08	48.7	47	10	79.6	76.62	73.1	71	14	106.2	102.16	97.5	94	16
49	54.1	52.14	49.8	48	10	81.2	78.22	74.7	72	14	108.3	104.29	99.6	97	16
50	55.2	53.21	50.9	49	10	82.8	79.81	76.3	74	14	110.4	106.42	101.8	99	16
51	56.3	54.27	51.9	50	12	84.4	81.41	77.9	76	16	112.5	108.55	103.9	101	18
52	57.3	55.34	53.0	52	12	86.0	83.01	79.5	77	16	114.7	110.67	106.0	103	18
53	58.4	56.40	54.1	53	12	87.6	84.60	81.1	79	16	116.8	112.80	108.1	105	18
54	59.5	57.47	55.1	54	12	89.2	86.20	82.7	80	16	118.9	114.93	110.3	107	18
55	60.5	58.53	56.2	55	12	90.8	87.79	84.3	82	16	121.1	117.06	112.4	109	18
56	61.6	59.59	57.3	56	12	92.4	89.39	85.9	84	16	123.2	119.19	114.5	112	18
57	62.7	60.66	58.3	57	12	94.0	90.99	87.5	85	16	125.3	121.32	116.7	114	18
58	63.7	61.72	59.4	58	12	95.6	92.58	89.1	87	18	127.4	123.44	118.8	116	18
59	64.8	62.79	60.5	59	12	97.2	94.18	90.7	88	18	129.6	125.57	120.9	118	18
60	65.9	63.85	61.5	60	12	98.8	95.78	92.3	90	18	131.7	127.70	123.0	120	18
61	66.9	64.91	62.6	61	12	100.4	97.37	93.9	92	18	133.8	129.83	125.2	122	20
62	68.0	65.98	63.6	62	12	102.0	98.97	95.5	93	18	136.0	131.96	127.3	124	20
63	69.0	67.04	64.7	63	12	103.6	100.56	97.1	95	18	138.1	134.09	129.4	126	20
64	70.1	68.11	65.8	64	12	105.2	102.16	98.7	96	18	140.2	136.21	131.6	129	20
65	71.2	69.17	66.8	65	12	106.8	103.76	100.3	98	18	142.3	138.34	133.7	131	20
66	72.2	70.24	67.9	66	12	108.4	105.35	101.9	100	18	144.5	140.47	135.8	133	20
67	73.3	71.30	69.0	67	12	109.9	106.95	103.5	101	18	146.6	142.60	137.9	135	20
68	74.4	72.36	70.0	69	12	111.5	108.55	105.0	103	18	148.7	144.73	140.1	-	20
69	75.4	73.43	71.1	70	12	113.1	110.14	106.6	104	18	150.9	146.86	142.2	-	20
70	76.5	74.49	72.2	71	12	114.7	111.74	108.2	106	18	153.0	148.98	144.3	-	20
75	81.8	79.81	77.5	76	12	122.7	119.72	116.2	114	18	163.6	159.63	155.0	-	20
80	87.1	85.13	82.8	81	12	130.7	127.70	124.2	122	18	174.3	170.27	165.6	-	20
90	97.8	95.78	93.4	92	12	146.7	143.66	140.2	138	20	195.6	191.55	186.9	-	20
95	103.1	101.10	98.8	97	12	154.6	151.65	148.1	-	20	206.2	202.19	197.5	-	20
100	108.4	106.42	104.1	103	12	162.6	159.63	156.1	-	20	216.8	212.84	208.2	-	20
105	113.7	111.74	109.4	108	12	170.6	167.61	164.1	-	20	227.5	223.48	218.8	-	20
110	119.1	117.06	114.7	113	12	178.6	175.59	172.1	-	20	238.1	234.12	229.5	-	20
115	124.4	122.38	120.0	119	12	186.6	183.57	180.1	-	20	248.8	244.76	240.1	-	20
125	135.0	133.02	130.7	129	12	202.5	199.53	196.0	-	20	270.0	266.04	261.4	-	25

TİP A



TİP B



Modül	A	B
1	30	20
1.5	30	20
2	40	25
2.5	40	25
3	50	30
4	60	40
5	65	45
6	75	55
7	85	60
8	100	75
9	115	85
10	125	95

Profil Açısı $\alpha = 20°$ Helis Açısı $\beta = 20°$ Sağ / Sol Helis

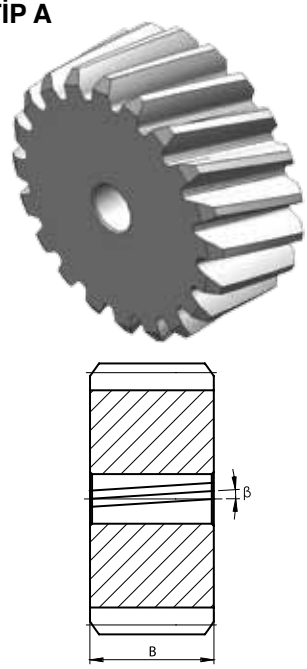
STANDART DÜZ ve HELİS DİŞLİLER

HELİS DİŞLİLER

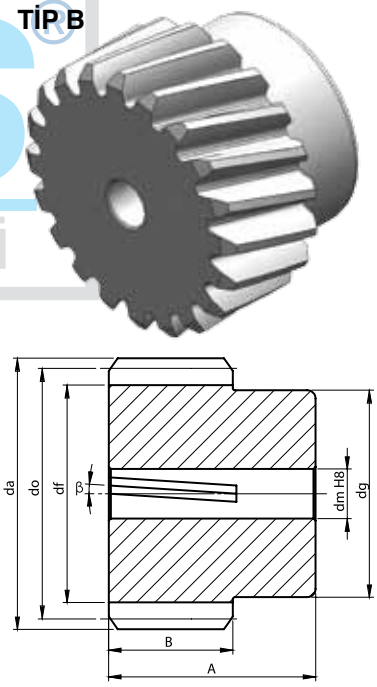
DIN 867

Diş Sayısı Z	2,5 Modül					3 Modül					4 Modül				
	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm
10	31.6	26.60	20.8	17	-	37.9	31.93	24.9	21	10	50.6	42.57	33.2	29	12
11	34.3	29.26	23.4	20	10	41.1	35.12	28.1	25	10	54.8	46.82	37.5	33	12
12	36.9	31.93	26.1	23	10	44.3	38.31	31.3	28	10	59.1	51.08	41.8	38	12
13	39.6	34.59	28.8	25	10	47.5	41.50	34.5	31	10	63.3	55.34	46.0	42	12
14	42.2	37.25	31.4	28	10	50.7	44.70	37.7	34	10	67.6	59.59	50.3	46	12
15	44.9	39.91	34.1	31	10	53.9	47.89	40.9	37	10	71.9	63.85	54.5	51	12
16	47.6	42.57	36.7	33	12	57.1	51.08	44.1	41	10	76.1	68.11	58.8	55	14
17	50.2	45.23	39.4	36	12	60.3	54.27	47.3	44	12	80.4	72.36	63.0	59	14
18	52.9	47.89	42.1	39	12	63.5	57.47	50.5	47	12	84.6	76.62	67.3	63	14
19	55.5	50.55	44.7	41	12	66.7	60.66	53.7	50	12	88.9	80.88	71.5	68	14
20	58.2	53.21	47.4	44	14	69.9	63.85	56.9	53	12	93.1	85.13	75.8	72	14
21	60.9	55.87	50.0	47	14	73.0	67.04	60.0	57	12	97.4	89.39	80.1	76	14
22	63.5	58.53	52.7	49	14	76.2	70.24	63.2	60	12	101.6	93.65	84.3	80	14
23	66.2	61.19	55.4	52	14	79.4	73.43	66.4	63	12	105.9	97.90	88.6	85	14
24	68.9	63.85	58.0	55	14	82.6	76.62	69.6	66	12	110.2	102.16	92.8	89	16
25	71.5	66.51	60.7	57	14	85.8	79.81	72.8	69	12	114.4	106.42	97.1	93	16
26	74.2	69.17	63.3	60	14	89.0	83.01	76.0	73	14	118.7	110.67	101.3	97	16
27	76.8	71.83	66.0	63	14	92.2	86.20	79.2	76	14	122.9	114.93	105.6	102	16
28	79.5	74.49	68.7	65	14	95.4	89.39	82.4	79	14	127.2	119.19	109.9	106	16
29	82.2	77.15	71.3	68	14	98.6	92.58	85.6	82	14	131.4	123.44	114.1	110	16
30	84.8	79.81	74.0	71	16	101.8	95.78	88.8	85	14	135.7	127.70	118.4	114	16
31	87.5	82.47	76.6	73	16	105.0	98.97	92.0	88	14	140.0	131.96	122.6	119	16
32	90.1	85.13	79.3	76	16	108.2	102.16	95.2	92	14	144.2	136.21	126.9	123	16
33	92.8	87.79	82.0	79	16	111.4	105.35	98.4	95	14	148.5	140.47	131.1	127	16
34	95.5	90.46	84.6	81	16	114.5	108.55	101.6	98	14	152.7	144.73	135.4	-	16
35	98.1	93.12	87.3	84	16	117.7	111.74	104.7	101	14	157.0	148.98	139.7	-	16
36	100.8	95.78	89.9	87	16	120.9	114.93	107.9	104	14	161.2	153.24	143.9	-	18
37	103.4	98.44	92.6	89	16	124.1	118.12	111.1	108	14	165.5	157.50	148.2	-	18
38	106.1	101.10	95.3	92	16	127.3	121.32	114.3	111	14	169.8	161.76	152.4	-	18
39	108.8	103.76	97.9	95	16	130.5	124.51	117.5	114	14	174.0	166.01	156.7	-	18
40	111.4	106.42	100.6	97	16	133.7	127.70	120.7	117	14	178.3	170.27	160.9	-	18
41	114.1	109.08	103.2	100	18	136.9	130.89	123.9	120	16	182.5	174.53	165.2	-	18
42	116.7	111.74	105.9	103	18	140.1	134.09	127.1	124	16	186.8	178.78	169.5	-	18
43	119.4	114.40	108.6	105	18	143.3	137.28	130.3	127	16	191.0	183.04	173.7	-	18
44	122.1	117.06	111.2	108	18	146.5	140.47	133.5	130	16	195.3	187.30	178.0	-	18
45	124.7	119.72	113.9	111	18	149.7	143.66	136.7	-	16	199.6	191.55	182.2	-	18
46	127.4	122.38	116.6	113	18	152.9	146.86	139.9	-	16	203.8	195.81	186.5	-	18
47	130.0	125.04	119.2	116	18	156.0	150.05	143.1	-	16	208.1	200.07	190.7	-	18
48	132.7	127.70	121.9	119	18	159.2	153.24	146.2	-	16	212.3	204.32	195.0	-	18
49	135.4	130.36	124.5	121	18	162.4	156.43	149.4	-	16	216.6	208.58	199.3	-	18
50	138.0	133.02	127.2	124	18	165.6	159.63	152.6	-	16	220.8	212.84	203.5	-	20
51	140.7	135.68	129.9	127	20	168.8	162.82	155.8	-	18	225.1	217.09	207.8	-	20
52	143.3	138.34	132.5	129	20	172.0	166.01	159.0	-	18	229.3	221.35	212.0	-	20
53	146.0	141.00	135.2	132	20	175.2	169.20	162.2	-	18	233.6	225.61	216.3	-	20
54	148.7	143.66	137.8	-	20	178.4	172.40	165.4	-	18	237.9	229.86	220.5	-	20
55	151.3	146.32	140.5	-	20	181.6	175.59	168.6	-	18	242.1	234.12	224.8	-	20
56	154.0	148.98	143.2	-	20	184.8	178.78	171.8	-	18	246.4	238.38	229.0	-	20
57	156.6	151.65	145.8	-	20	188.0	181.97	175.0	-	18	250.6	242.63	233.3	-	20
58	159.3	154.31	148.5	-	20	191.2	185.17	178.2	-	18	254.9	246.89	237.6	-	20
59	162.0	156.97	151.1	-	20	194.4	188.36	181.4	-	18	259.1	251.15	241.8	-	20
60	164.6	159.63	153.8	-	20	197.6	191.55	184.6	-	20	263.4	255.40	246.1	-	20
61	167.3	162.29	156.5	-	20	200.7	194.74	187.7	-	20	267.7	259.66	250.3	-	25
62	169.9	164.95	159.1	-	20	203.9	197.94	190.9	-	20	271.9	263.92	254.6	-	25
63	172.6	167.61	161.8	-	20	207.1	201.13	194.1	-	20	276.2	268.17	258.8	-	25
64	175.3	170.27	164.4	-	20	210.3	204.32	197.3	-	20	280.4	272.43	263.1	-	25
65	177.9	172.93	167.1	-	20	213.5	207.51	200.5	-	20	284.7	276.69	267.4	-	25
66	180.6	175.59	169.8	-	20	216.7	210.71	203.7	-	20	288.9	280.94	271.6	-	25
67	183.2	178.25	172.4	-	20	219.9	213.90	206.9	-	20	293.2	285.20	275.9	-	25
68	185.9	180.91	175.1	-	20	223.1	217.09	210.1	-	20	297.5	289.46	280.1	-	25
69	188.6	183.57	177.7	-	20	226.3	220.28	213.3	-	20	301.7	293.71	284.4	-	25
70	191.2	186.23	180.4	-	20	229.5	223.48	216.5	-	20	306.0	297.97	288.6	-	25
75	204.5	199.53	193.7	-	20	245.4	239.44	232.4	-	25	327.3	319.25	309.9	-	25
80	217.8	212.84	207.0	-	20	261.4	255.40	248.4	-	25	348.5	340.54	331.2	-	25
90	244.4	239.44	233.6	-	20	293.3	287.33	280.3	-	25	391.1	383.10	373.8	-	25
95	257.7	252.74	246.9	-	20	309.3	303.29	296.3	-	25	412.4	404.39	395.1	-	25
100	271.0	266.04	260.2	-	25	325.3	319.25	312.3	-	25	433.7	425.67	416.3	-	30
105	284.3	279.35	273.5	-	25	341.2	335.22	328.2	-	25	455.0	446.95	437.6	-	30
110	297.6	292.65	286.8	-	25	357.2	351.18	344.2	-	25	476.2	468.24	458.9	-	30
115	311.0	305.95	300.1	-	25	373.1	367.14	360.1	-	25	497.5	489.52	480.2	-	30
125	337.6	332.56	326.7	-	25	405.1	399.07	392.1	-	25	540.1	532.09	522.8	-	30

TİP A



TİP B



Modül	A	B
1	30	20
1.5	30	20
2	40	25
2.5	40	25
3	50	30
4	60	40
5	65	45
6	75	55
7	85	60
8	100	75
9	115	85
10	125	95

Profil Açısı $\alpha = 20°$ Helis Açısı $\beta = 20°$ Sağ / Sol Helis

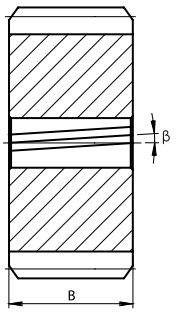
HELİS DİŞLİLER

DIN 867

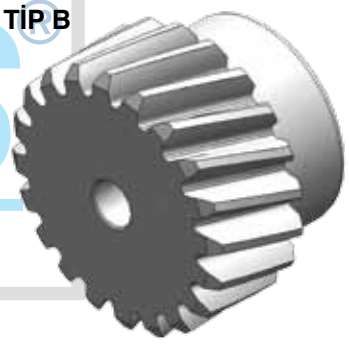
STANDART
DÜZ ve HELİS DİŞLİLER

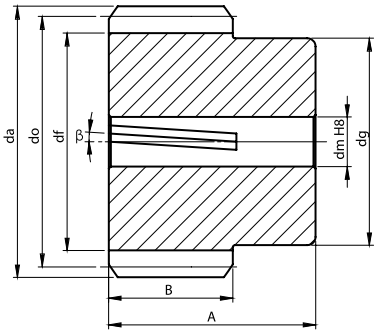
Diş Sayısı Z	5 Modül					6 Modül					7 Modül				
	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm
10	63.2	53.21	41.5	37	16	75.9	63.85	49.9	45	20	88.5	74.49	58.2	53	20
11	68.5	58.53	46.9	42	16	82.2	70.24	56.2	51	20	95.9	81.94	65.6	60	20
12	73.9	63.85	52.2	48	16	88.6	76.62	62.6	58	20	103.4	89.39	73.1	68	20
13	79.2	69.17	57.5	53	16	95.0	83.01	69.0	64	20	110.8	96.84	80.5	75	20
14	84.5	74.49	62.8	58	18	101.4	89.39	75.4	70	20	118.3	104.29	88.0	82	20
15	89.8	79.81	68.2	64	18	107.8	95.78	81.8	77	20	125.7	111.74	95.4	90	20
16	95.1	85.13	73.5	69	18	114.2	102.16	88.2	83	20	133.2	119.19	102.9	97	25
17	100.5	90.46	78.8	74	18	120.5	108.55	94.6	90	20	140.6	126.64	110.3	105	25
18	105.8	95.78	84.1	80	18	126.9	114.93	100.9	96	20	148.1	134.09	117.8	112	25
19	111.1	101.10	89.4	85	18	133.3	121.32	107.3	102	20	155.5	141.54	125.2	-	25
20	116.4	106.42	94.8	90	18	139.7	127.70	113.7	109	20	163.0	148.98	132.7	-	25
21	121.7	111.74	100.1	96	20	146.1	134.09	120.1	115	20	170.4	156.43	140.1	-	25
22	127.1	117.06	105.4	101	20	152.5	140.47	126.5	-	20	177.9	163.88	147.6	-	25
23	132.4	122.38	110.7	106	20	158.9	146.86	132.9	-	25	185.3	171.33	155.0	-	25
24	137.7	127.70	116.0	112	20	165.2	153.24	139.2	-	25	192.8	178.78	162.5	-	25
25	143.0	133.02	121.4	117	20	171.6	159.63	145.6	-	25	200.2	186.23	169.9	-	25
26	148.3	138.34	126.7	122	25	178.0	166.01	152.0	-	25	207.7	193.68	177.4	-	25
27	153.7	143.66	132.0	-	25	184.4	172.40	158.4	-	25	215.1	201.13	184.8	-	25
28	159.0	148.98	137.3	-	25	190.8	178.78	164.8	-	25	222.6	208.58	192.3	-	25
29	164.3	154.31	142.6	-	25	197.2	185.17	171.2	-	25	230.0	216.03	199.7	-	25
30	169.6	159.63	148.0	-	25	203.6	191.55	177.6	-	25	237.5	223.48	207.2	-	25
31	174.9	164.95	153.3	-	25	209.9	197.94	183.9	-	25	244.9	230.93	214.6	-	25
32	180.3	170.27	158.6	-	25	216.3	204.32	190.3	-	25	252.4	238.38	222.1	-	25
33	185.6	175.59	163.9	-	25	222.7	210.71	196.7	-	25	259.8	245.83	229.5	-	25
34	190.9	180.91	169.3	-	25	229.1	217.09	203.1	-	25	267.3	253.27	237.0	-	30
35	196.2	186.23	174.6	-	25	235.5	223.48	209.5	-	25	274.7	260.72	244.4	-	30
36	201.6	191.55	179.9	-	25	241.9	229.86	215.9	-	25	282.2	268.17	251.8	-	30
37	206.9	196.87	185.2	-	25	248.2	236.25	222.3	-	25	289.6	275.62	259.3	-	30
38	212.2	202.19	190.5	-	25	254.6	242.63	228.6	-	25	297.1	283.07	266.7	-	30
39	217.5	207.51	195.9	-	25	261.0	249.02	235.0	-	25	304.5	290.52	274.2	-	30
40	222.8	212.84	201.2	-	25	267.4	255.40	241.4	-	30	312.0	297.97	281.6	-	30
41	228.2	218.16	206.5	-	25	273.8	261.79	247.8	-	30	319.4	305.42	289.1	-	30
42	233.5	223.48	211.8	-	25	280.2	268.17	254.2	-	30	326.9	312.87	296.5	-	30
43	238.8	228.80	217.1	-	25	286.6	274.56	260.6	-	30	334.3	320.32	304.0	-	30
44	244.1	234.12	222.5	-	25	292.9	280.94	267.0	-	30	341.8	327.77	311.4	-	30
45	249.4	239.44	227.8	-	25	299.3	287.33	273.3	-	30	349.2	335.22	318.9	-	30
46	254.8	244.76	233.1	-	25	305.7	293.71	279.7	-	30	356.7	342.67	326.3	-	30
47	260.1	250.08	238.4	-	25	312.1	300.10	286.1	-	30	364.1	350.11	333.8	-	30
48	265.4	255.40	243.7	-	30	318.5	306.48	292.5	-	30	371.6	357.56	341.2	-	30
49	270.7	260.72	249.1	-	30	324.9	312.87	298.9	-	30	379.0	365.01	348.7	-	30
50	276.0	266.04	254.4	-	30	331.3	319.25	305.3	-	30	386.5	372.46	356.1	-	30
51	281.4	271.37	259.7	-	30	337.6	325.64	311.6	-	30	393.9	379.91	363.6	-	30
52	286.7	276.69	265.0	-	30	344.0	332.02	318.0	-	30	401.4	387.36	371.0	-	30
53	292.0	282.01	270.3	-	30	350.4	338.41	324.4	-	30	408.8	394.81	378.5	-	30
54	297.3	287.33	275.7	-	30	356.8	344.79	330.8	-	30	416.3	402.26	385.9	-	30
55	302.6	292.65	281.0	-	30	363.2	351.18	337.2	-	30	423.7	409.71	393.4	-	30
56	308.0	297.97	286.3	-	30	369.6	357.56	343.6	-	30	431.2	417.16	400.8	-	35
57	313.3	303.29	291.6	-	30	375.9	363.95	350.0	-	30	438.6	424.61	408.3	-	35
58	318.6	308.61	297.0	-	30	382.3	370.33	356.3	-	30	446.1	432.06	415.7	-	35
59	323.9	313.93	302.3	-	30	388.7	376.72	362.7	-	30	453.5	439.51	423.2	-	35
60	329.3	319.25	307.6	-	30	395.1	383.10	369.1	-	30	461.0	446.95	430.6	-	35
61	334.6	324.57	312.9	-	30	401.5	389.49	375.5	-	30	468.4	454.40	438.1	-	35
62	339.9	329.90	318.2	-	30	407.9	395.87	381.9	-	30	475.9	461.85	445.5	-	35
63	345.2	335.22	323.6	-	30	414.3	402.26	388.3	-	30	483.3	469.30	453.0	-	35
64	350.5	340.54	328.9	-	30	420.6	408.64	394.7	-	30	490.8	476.75	460.4	-	35
65	355.9	345.86	334.2	-	30	427.0	415.03	401.0	-	35	498.2	484.20	467.9	-	35
66	361.2	351.18	339.5	-	30	433.4	421.41	407.4	-	35	505.7	491.65	475.3	-	35
67	366.5	356.50	344.8	-	30	439.8	427.80	413.8	-	35	513.1	499.10	482.8	-	35
68	371.8	361.82	350.2	-	30	446.2	434.18	420.2	-	35	520.5	506.55	490.2	-	35
69	377.1	367.14	355.5	-	30	452.6	440.57	426.6	-	35	528.0	514.00	497.7	-	35
70	382.5	372.46	360.8	-	30	459.0	446.95	433.0	-	35	535.4	521.45	505.1	-	35
75	409.1	399.07	387.4	-	30	490.9	478.88	464.9	-	35	572.7	558.69	542.4	-	35
80	435.7	425.67	414.0	-	35	522.8	510.81	496.8	-	35	609.9	595.94	579.6	-	35
90	488.9	478.88	467.2	-	35	586.7	574.66	560.7	-	35	684.4	670.43	654.1	-	35
95	515.5	505.48	493.8	-	35	618.6	606.58	592.6	-	35	721.7	707.68	691.4	-	35
100	542.1	532.09	520.4	-	35	650.5	638.51	624.5	-	35	758.9	744.92	728.6	-	40
105	568.7	558.69	547.0	-	35	682.4	670.43	656.4	-	35	796.2	782.17	765.8	-	40
110	595.3	585.30	573.6	-	35	714.4	702.36	688.4	-	35	833.4	819.42	803.1	-	40
115	621.9	611.90	600.2	-	35	746.3	734.28	720.3	-	35	870.7	856.66	840.3	-	40
125	675.1	665.11	653.5	-	35	810.1	798.13	784.1	-	35	945.2	931.16	914.8	-	40

TİP A



TİP B





Modül	A	B
1	30	20
1.5	30	20
2	40	25
2.5	40	25
3	50	30
4	60	40
5	65	45
6	75	55
7	85	60
8	100	75
9	115	85
10	125	95

Profil Açısı $\alpha = 20°$ Helis Açısı $\beta = 20°$ Sağ / Sol Helis

YDS® DİŞLİ

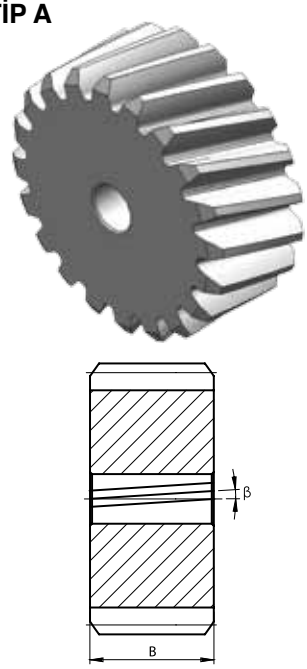
STANDART DÜZ ve HELİS DİŞLİLER

HELİS DİŞLİLER

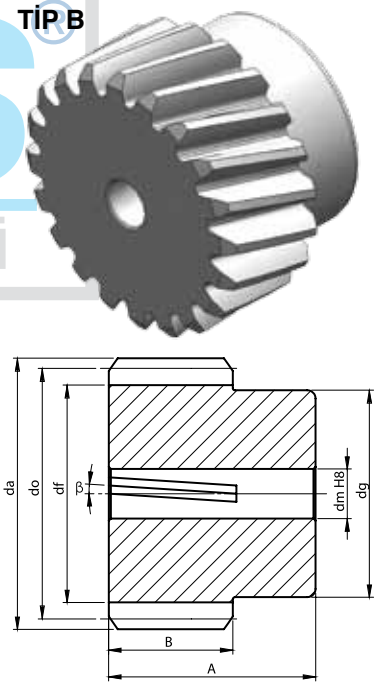
DIN 867

Diş Sayısı Z	8 Modül					9 Modül					10 Modül				
	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm	Diş Üstü Çapı da	Bölüm Dairesi Çapı do	Diş Dibi Çapı df	Göbek Çapı dg	Delik Çapı dm
10	101.1	85.13	66.5	60	20	113.8	95.78	74.8	68	25	126.4	106.42	83.1	76	25
11	109.6	93.65	75.0	69	20	123.4	105.35	84.4	78	25	137.1	117.06	93.7	87	25
12	118.2	102.16	83.5	78	20	132.9	114.93	93.9	87	25	147.7	127.70	104.4	97	25
13	126.7	110.67	92.0	86	20	142.5	124.51	103.5	97	25	158.3	138.34	115.0	-	30
14	135.2	119.19	100.5	95	20	152.1	134.09	113.1	-	25	169.0	148.98	125.7	-	30
15	143.7	127.70	109.0	103	20	161.7	143.66	122.7	-	25	179.6	159.63	136.3	-	30
16	152.2	136.21	117.6	-	20	171.2	153.24	132.3	-	25	190.3	170.27	146.9	-	30
17	160.7	144.73	126.1	-	25	180.8	162.82	141.8	-	25	200.9	180.91	157.6	-	30
18	169.2	153.24	134.6	-	25	190.4	172.40	151.4	-	25	211.6	191.55	168.2	-	30
19	177.8	161.76	143.1	-	25	200.0	181.97	161.0	-	25	222.2	202.19	178.9	-	30
20	186.3	170.27	151.6	-	25	209.6	191.55	170.6	-	25	232.8	212.84	189.5	-	30
21	194.8	178.78	160.1	-	25	219.1	201.13	180.1	-	30	243.5	223.48	200.2	-	30
22	203.3	187.30	168.6	-	25	228.7	210.71	189.7	-	30	254.1	234.12	210.8	-	30
23	211.8	195.81	177.2	-	25	238.3	220.28	199.3	-	30	264.8	244.76	221.4	-	30
24	220.3	204.32	185.7	-	25	247.9	229.86	208.9	-	30	275.4	255.40	232.1	-	30
25	228.8	212.84	194.2	-	25	257.4	239.44	218.5	-	30	286.0	266.04	242.7	-	30
26	237.3	221.35	202.7	-	25	267.0	249.02	228.0	-	30	296.7	276.69	253.4	-	30
27	245.9	229.86	211.2	-	25	276.6	258.60	237.6	-	30	307.3	287.33	264.0	-	30
28	254.4	238.38	219.7	-	25	286.2	268.17	247.2	-	30	318.0	297.97	274.6	-	35
29	262.9	246.89	228.2	-	25	295.8	277.75	256.8	-	30	328.6	308.61	285.3	-	35
30	271.4	255.40	236.7	-	30	305.3	287.33	266.3	-	30	339.3	319.25	295.9	-	35
31	279.9	263.92	245.3	-	30	314.9	296.91	275.9	-	30	349.9	329.90	306.6	-	35
32	288.4	272.43	253.8	-	30	324.5	306.48	285.5	-	35	360.5	340.54	317.2	-	35
33	296.9	280.94	262.3	-	30	334.1	316.06	295.1	-	35	371.2	351.18	327.9	-	35
34	305.5	289.46	270.8	-	30	343.6	325.64	304.7	-	35	381.8	361.82	338.5	-	35
35	314.0	297.97	279.3	-	30	353.2	335.22	314.2	-	35	392.5	372.46	349.1	-	35
36	322.5	306.48	287.8	-	30	362.8	344.79	323.8	-	35	403.1	383.10	359.8	-	35
37	331.0	315.00	296.3	-	30	372.4	354.37	333.4	-	35	413.7	393.75	370.4	-	35
38	339.5	323.51	304.9	-	30	381.9	363.95	343.0	-	35	424.4	404.39	381.1	-	35
39	348.0	332.02	313.4	-	30	391.5	373.53	352.5	-	35	435.0	415.03	391.7	-	35
40	356.5	340.54	321.9	-	30	401.1	383.10	362.1	-	35	445.7	425.67	402.4	-	35
41	365.1	349.05	330.4	-	30	410.7	392.68	371.7	-	35	456.3	436.31	413.0	-	35
42	373.6	357.56	338.9	-	30	420.3	402.26	381.3	-	35	467.0	446.95	423.6	-	35
43	382.1	366.08	347.4	-	30	429.8	411.84	390.8	-	35	477.6	457.60	434.3	-	35
44	390.6	374.59	355.9	-	30	439.4	421.41	400.4	-	35	488.2	468.24	444.9	-	35
45	399.1	383.10	364.4	-	30	449.0	430.99	410.0	-	35	498.9	478.88	455.6	-	35
46	407.6	391.62	373.0	-	30	458.6	440.57	419.6	-	35	509.5	489.52	466.2	-	35
47	416.1	400.13	381.5	-	30	468.1	450.15	429.2	-	35	520.2	500.16	476.8	-	35
48	424.6	408.64	390.0	-	30	477.7	459.72	438.7	-	35	530.8	510.81	487.5	-	35
49	433.2	417.16	398.5	-	35	487.3	469.30	448.3	-	35	541.4	521.45	498.1	-	40
50	441.7	425.67	407.0	-	35	496.9	478.88	457.9	-	35	552.1	532.09	508.8	-	40
51	450.2	434.18	415.5	-	35	506.5	488.46	467.5	-	35	562.7	542.73	519.4	-	40
52	458.7	442.70	424.0	-	35	516.0	498.04	477.0	-	35	573.4	553.37	530.1	-	40
53	467.2	451.21	432.6	-	35	525.6	507.61	486.6	-	35	584.0	564.01	540.7	-	40
54	475.7	459.72	441.1	-	35	535.2	517.19	496.2	-	40	594.7	574.66	551.3	-	40
55	484.2	468.24	449.6	-	35	544.8	526.77	505.8	-	40	605.3	585.30	562.0	-	40
56	492.8	476.75	458.1	-	35	554.3	536.35	515.4	-	40	615.9	595.94	572.6	-	40
57	501.3	485.27	466.6	-	35	563.9	545.92	524.9	-	40	626.6	606.58	583.3	-	40
58	509.8	493.78	475.1	-	35	573.5	555.50	534.5	-	40	637.2	617.22	593.9	-	40
59	518.3	502.29	483.6	-	35	583.1	565.08	544.1	-	40	647.9	627.86	604.5	-	40
60	526.8	510.81	492.1	-	35	592.7	574.66	553.7	-	40	658.5	638.51	615.2	-	40
61	535.3	519.32	500.7	-	35	602.2	584.23	563.2	-	40	669.1	649.15	625.8	-	40
62	543.8	527.83	509.2	-	35	611.8	593.81	572.8	-	40	679.8	659.79	636.5	-	40
63	552.3	536.35	517.7	-	35	621.4	603.39	582.4	-	40	690.4	670.43	647.1	-	40
64	560.9	544.86	526.2	-	35	631.0	612.97	592.0	-	40	701.1	681.07	657.8	-	40
65	569.4	553.37	534.7	-	35	640.5	622.54	601.6	-	40	711.7	691.72	668.4	-	40
66	577.9	561.89	543.2	-	35	650.1	632.12	611.1	-	40	722.4	702.36	679.0	-	40
67	586.4	570.40	551.7	-	35	659.7	641.70	620.7	-	40	733.0	713.00	689.7	-	40
68	594.9	578.91	560.3	-	35	669.3	651.28	630.3	-	40	743.6	723.64	700.3	-	40
69	603.4	587.43	568.8	-	35	678.9	660.85	639.9	-	40	754.3	734.28	711.0	-	40
70	611.9	595.94	577.3	-	35	688.4	670.43	649.4	-	40	764.9	744.92	721.6	-	40
75	654.5	638.51	619.9	-	35	736.3	718.32	697.3	-	40	818.1	798.13	774.8	-	40
80	697.1	681.07	662.4	-	35	784.2	766.21	745.2	-	40	871.3	851.34	828.0	-	40
90	782.2	766.21	747.6	-	40	880.0	861.98	841.0	-	40	977.8	957.76	934.4	-	40
95	824.8	808.78	790.1	-	40	927.9	909.87	888.9	-	40	1031.0	1010.97	987.6	-	40
100	867.3	851.34	832.7	-	40	975.8	957.76	936.8	-	40	1084.2	1064.18	1040.9	-	50
105	909.9	893.91	875.3	-	40	1023.6	1005.65	984.7	-	40	1137.4	1117.39	1094.1	-	50
110	952.5	936.48	917.8	-	40	1071.5	1053.54	1032.5	-	50	1190.6	1170.60	1147.3	-	50
115	995.0	979.04	960.4	-	40	1119.4	1101.42	1080.4	-	50	1243.8	1223.80	1200.5	-	50
125	1080.2	1064.18	1045.5	-	40	1215.2	1197.20	1176.2	-	50	1350.2	1330.22	1306.9	-	50

TİP A



TİP B



Modül	A	B
1	30	20
1.5	30	20
2	40	25
2.5	40	25
3	50	30
4	60	40
5	65	45
6	75	55
7	85	60
8	100	75
9	115	85
10	125	95

Profil Açısı $\alpha = 20°$ Helis Açısı $\beta = 20°$ Sağ / Sol Helis