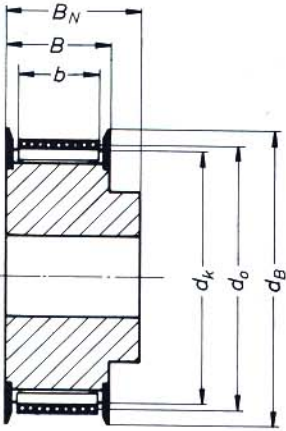
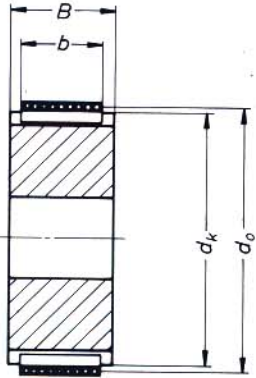


Synchronscheiben-Durchmesser

AT 5

Kopfkreis-Durchmesser d_k
Wirk-Durchmesser d_o



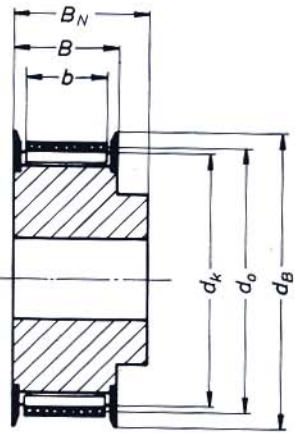
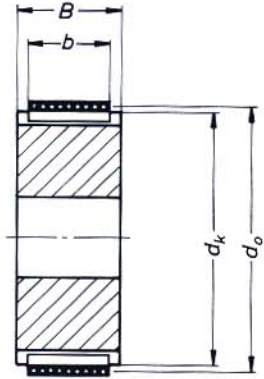
Bordscheiben-Durchmesser
 $d_B \approx d_k + 6$.

Mindestzähnezahlen und Durchmesser
 $z = 12$
 $d = \varnothing 60$ Spannrolle außenlaufend.

Riemenbreite b	10	16	25	32	50
Radbreite B	16	22	32	40	60

Z	d_o	d_k	Z	d_o	d_k	Z	d_o	d_k
			51	81,19	79,95	101	160,79	159,55
			52	82,78	81,55	102	162,38	161,15
			53	84,38	83,15	103	163,97	162,75
			54	85,97	84,70	104	165,57	164,30
			55	97,54	86,30	105	167,16	165,90
			56	89,15	87,90	106	168,75	167,50
			57	90,74	89,50	107	170,34	169,10
			58	92,34	91,10	108	171,94	170,70
			59	93,93	92,70	109	173,53	172,30
			60	95,52	94,25	110	175,12	173,85
			61	97,11	95,85	111	176,71	175,45
12	19,10	17,85	62	98,70	97,45	112	178,30	177,05
13	20,70	19,45	63	100,30	99,05	113	179,84	178,65
14	22,29	21,05	64	101,89	100,65	114	181,49	180,25
15	23,88	22,65	65	103,48	102,25	115	183,08	181,85
16	25,47	24,20	66	105,07	103,80	116	184,67	183,45
17	27,06	25,80	67	106,66	105,40	117	186,26	185,00
18	28,65	27,40	68	108,26	107,00	118	187,86	186,60
19	30,25	29,00	69	109,85	108,60	119	189,45	188,20
20	31,83	30,60	70	111,44	110,20	120	191,04	189,80
21	33,43	32,20	71	113,03	111,80	121	192,63	191,40
22	35,02	33,75	72	114,62	113,35	122	194,22	193,00
23	36,62	35,35	73	116,22	114,95	123	195,82	194,60
24	38,21	36,95	74	117,81	116,55	124	197,41	196,15
25	39,80	38,55	75	119,40	118,15	125	199,00	197,75
26	41,39	40,15	76	120,99	119,75	126	200,59	199,35
27	42,98	41,75	77	122,58	121,35	127	202,18	200,95
28	44,58	43,35	78	124,18	122,95	128	203,78	202,55
29	46,17	44,90	79	125,77	124,50	129	205,37	204,15
30	47,76	46,50	80	127,36	126,10	130	206,96	205,70
31	49,35	48,10	81	128,95	127,70	131	208,55	207,30
32	50,94	49,70	82	130,54	129,30	132	210,14	208,90
33	52,54	51,30	83	132,14	130,90	133	211,74	210,50
34	54,13	52,90	84	133,73	132,50	134	213,33	212,10
35	55,72	54,45	85	135,32	134,05	135	214,92	213,70
36	57,31	56,05	86	136,91	135,65	136	216,51	215,30
37	58,90	57,65	87	138,50	137,25	137	218,10	216,85
38	60,50	59,25	88	140,10	138,85	138	219,70	218,45
39	62,09	60,85	89	141,69	140,45	139	221,29	220,05
40	63,66	62,45	90	143,28	142,05	140	222,88	221,65
41	65,27	64,00	91	144,87	143,60	141	224,47	223,25
42	66,86	65,60	92	146,46	145,20	142	226,06	224,80
43	68,46	67,20	93	148,00	146,80	143	227,66	226,40
44	70,05	68,80	94	149,65	148,40	144	229,25	228,00
45	71,64	70,40	95	151,24	150,00	145	230,84	229,60
46	73,23	72,00	96	152,83	151,60	146	232,43	231,20
47	74,82	73,55	97	154,42	153,15	147	234,02	232,80
48	76,42	75,15	98	156,02	154,75	148	235,62	234,40
49	78,01	76,75	99	157,61	156,35	149	237,21	236,00
50	79,60	78,35	100	159,20	157,95	150	238,80	237,55

Kopfkreis-Durchmesser d_k
Wirk-Durchmesser d_o



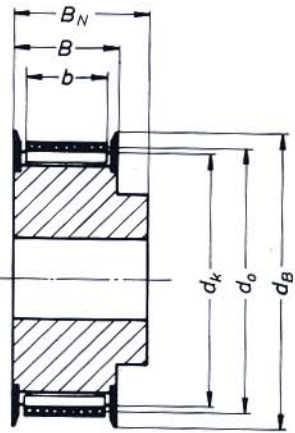
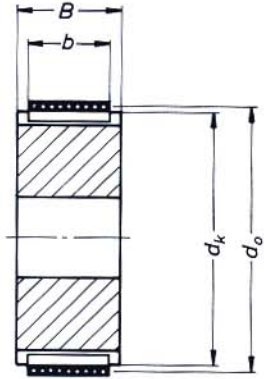
Bordscheiben-Durchmesser
 $d_B \approx d_k + 7$.

Mindestzähnezahlen und Durchmesser
 $z = 15$
 $d = \varnothing 120$ Spannrolle außenlaufend.

Riemenbreite b	25	32	50	75	100
Radbreite B	32	40	60	85	110

Z	do	dk	Z	do	dk	Z	do	dk
			51	162,33	160,50	101	321,48	319,65
			52	165,52	163,65	102	324,66	322,80
			53	168,70	166,85	103	327,85	326,00
			54	171,88	170,05	104	331,03	329,20
			55	175,06	173,20	105	334,21	332,35
			56	178,25	176,40	106	337,40	335,55
			57	181,43	179,60	107	340,58	338,75
			58	184,61	182,75	108	343,76	341,90
			59	187,80	185,95	109	346,95	345,10
			60	190,98	189,15	110	350,13	348,30
			61	194,16	192,30	111	353,31	351,45
			62	197,35	195,50	112	356,50	354,65
			63	200,53	198,70	113	359,68	357,80
			64	203,71	201,85	114	362,86	361,00
			65	206,90	205,05	115	366,04	364,19
15	47,75	45,90	66	210,08	208,25	116	369,23	367,38
16	50,93	49,10	67	213,26	211,40	117	372,41	370,56
17	54,11	52,25	68	216,44	214,60	118	375,59	373,74
18	57,29	55,45	69	219,63	217,80	119	378,78	376,93
19	60,48	58,65	70	222,81	220,95	120	381,96	380,11
20	63,66	61,80	71	225,99	224,15	121	385,14	383,29
21	66,84	65,00	72	229,18	227,35	122	388,33	386,48
22	70,03	68,20	73	232,36	230,50	123	391,51	389,66
23	73,20	71,35	74	235,54	233,70	124	394,69	392,84
24	76,39	74,55	75	238,72	236,90	125	397,88	396,03
25	79,58	77,75	76	241,94	240,05	126	401,06	399,21
26	82,76	80,90	77	245,09	243,25	127	404,24	402,39
27	85,95	84,10	78	248,27	246,40	128	407,42	405,57
28	89,12	87,25	79	251,46	249,60	129	410,60	408,75
29	92,21	90,45	80	254,64	252,80	130	413,80	411,95
30	95,49	93,65	81	257,82	255,95	131	416,97	415,12
31	98,67	96,80	82	261,00	259,15	132	420,16	418,31
32	101,86	100,00	83	264,19	262,35	133	423,34	421,49
33	105,04	103,20	84	267,37	265,50	134	426,52	424,67
34	108,22	106,35	85	270,55	268,70	135	429,70	427,85
35	111,41	109,55	86	273,74	271,90	136	432,89	431,04
36	114,59	112,75	87	276,92	275,05	137	436,07	434,22
37	117,77	115,90	88	280,10	278,25	138	439,25	437,37
38	120,95	119,10	89	283,28	281,45	139	442,44	440,59
39	124,14	122,30	90	286,47	284,60	140	445,62	443,77
40	127,32	125,45	91	289,65	287,80	141	448,80	446,95
41	130,50	128,65	92	292,84	291,00	142	451,99	450,14
42	133,69	131,85	93	296,02	294,15	143	455,17	453,32
43	136,87	135,00	94	299,20	297,35	144	458,35	456,50
44	140,05	138,20	95	302,39	300,55	145	461,53	459,68
45	143,24	141,40	96	305,57	303,70	146	464,72	462,87
46	146,42	144,55	97	308,75	306,90	147	467,90	466,05
47	149,60	147,75	98	311,93	310,10	148	471,08	469,23
48	152,78	150,95	99	315,12	313,25	149	474,27	472,42
49	155,97	154,10	100	318,30	316,45	150	477,45	475,60

Kopfkreis-Durchmesser d_k
Wirk-Durchmesser d_o



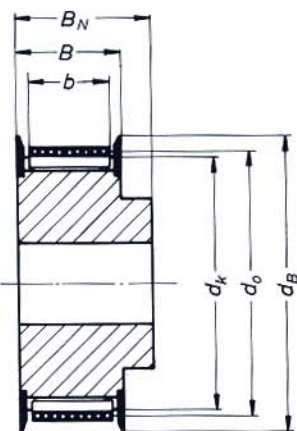
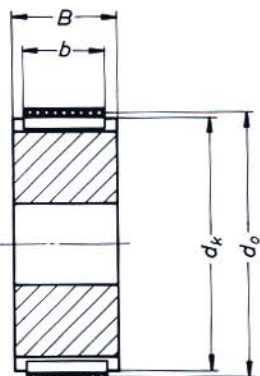
Bordscheiben-Durchmesser
 $d_B \approx d_k + 7$.

Mindestzähnezahlen und Durchmesser
 $z = 15$
 $d = \varnothing 120$ Spannrolle außenlaufend.

Riemenbreite b	25	32	50	75	100
Radbreite B	32	40	60	85	110

Z	do	dk	Z	do	dk	Z	do	dk
			51	162,33	160,50	101	321,48	319,65
			52	165,52	163,65	102	324,66	322,80
			53	168,70	166,85	103	327,85	326,00
			54	171,88	170,05	104	331,03	329,20
			55	175,06	173,20	105	334,21	332,35
			56	178,25	176,40	106	337,40	335,55
			57	181,43	179,60	107	340,58	338,75
			58	184,61	182,75	108	343,76	341,90
			59	187,80	185,95	109	346,95	345,10
			60	190,98	189,15	110	350,13	348,30
			61	194,16	192,30	111	353,31	351,45
			62	197,35	195,50	112	356,50	354,65
			63	200,53	198,70	113	359,68	357,80
			64	203,71	201,85	114	362,86	361,00
			65	206,90	205,05	115	366,04	364,19
15	47,75	45,90	66	210,08	208,25	116	369,23	367,38
16	50,93	49,10	67	213,26	211,40	117	372,41	370,56
17	54,11	52,25	68	216,44	214,60	118	375,59	373,74
18	57,29	55,45	69	219,63	217,80	119	378,78	376,93
19	60,48	58,65	70	222,81	220,95	120	381,96	380,11
20	63,66	61,80	71	225,99	224,15	121	385,14	383,29
21	66,84	65,00	72	229,18	227,35	122	388,33	386,48
22	70,03	68,20	73	232,36	230,50	123	391,51	389,66
23	73,20	71,35	74	235,54	233,70	124	394,69	392,84
24	76,39	74,55	75	238,72	236,90	125	397,88	396,03
25	79,58	77,75	76	241,94	240,05	126	401,06	399,21
26	82,76	80,90	77	245,09	243,25	127	404,24	402,39
27	85,95	84,10	78	248,27	246,40	128	407,42	405,57
28	89,12	87,25	79	251,46	249,60	129	410,60	408,75
29	92,21	90,45	80	254,64	252,80	130	413,80	411,95
30	95,49	93,65	81	257,82	255,95	131	416,97	415,12
31	98,67	96,80	82	261,00	259,15	132	420,16	418,31
32	101,86	100,00	83	264,19	262,35	133	423,34	421,49
33	105,04	103,20	84	267,37	265,50	134	426,52	424,67
34	108,22	106,35	85	270,55	268,70	135	429,70	427,85
35	111,41	109,55	86	273,74	271,90	136	432,89	431,04
36	114,59	112,75	87	276,92	275,05	137	436,07	434,22
37	117,77	115,90	88	280,10	278,25	138	439,25	437,37
38	120,95	119,10	89	283,28	281,45	139	442,44	440,59
39	124,14	122,30	90	286,47	284,60	140	445,62	443,77
40	127,32	125,45	91	289,65	287,80	141	448,80	446,95
41	130,50	128,65	92	292,84	291,00	142	451,99	450,14
42	133,69	131,85	93	296,02	294,15	143	455,17	453,32
43	136,87	135,00	94	299,20	297,35	144	458,35	456,50
44	140,05	138,20	95	302,39	300,55	145	461,53	459,68
45	143,24	141,40	96	305,57	303,70	146	464,72	462,87
46	146,42	144,55	97	308,75	306,90	147	467,90	466,05
47	149,60	147,75	98	311,93	310,10	148	471,08	469,23
48	152,78	150,95	99	315,12	313,25	149	474,27	472,42
49	155,97	154,10	100	318,30	316,45	150	477,45	475,60

Kopfkreis-Durchmesser d_k Wirk-Durchmesser d_o



Bordscheiben-Durchmesser
 $d_B \approx d_k + 11$.

Mindestzähnezahlen und Durchmesser
 $z = 18$
 $d = \varnothing 180$ Spannrolle außenlaufend.

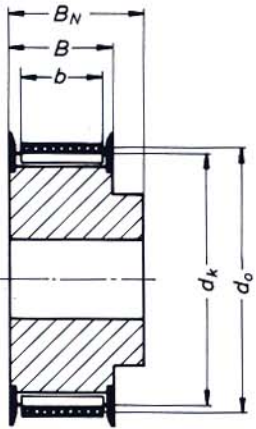
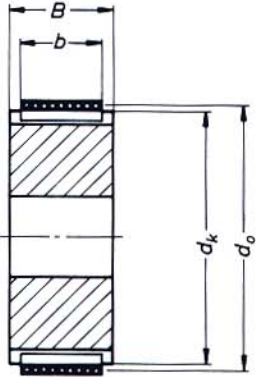
Riemenbreite b	32	50	75	100
Radbreite B	40	60	85	110

Z	do	dk	Z	do	dk	Z	do	dk
			61	388,33	385,50	106	674,80	671,95
			62	394,69	391,85	107	681,16	678,30
			63	401,06	398,20	108	687,53	684,70
18	114,59	111,75	64	407,42	404,55	109	693,89	691,05
19	120,95	118,10	65	413,79	410,95	110	700,26	697,40
20	127,32	124,45						
21	133,69	130,85	66	420,16	417,30	111	706,63	703,80
22	140,05	137,20	67	426,52	423,65	112	712,99	710,15
23	146,42	143,55	68	432,88	430,05	113	719,36	716,50
24	152,78	149,95	69	439,25	436,40	114	725,72	722,85
25	159,15	156,30	70	445,62	442,75	115	732,09	729,24
26	165,52	162,65	71	451,99	449,15	116	738,46	735,61
27	171,88	169,05	72	458,35	455,50	117	744,82	741,97
28	178,25	175,40	73	464,72	461,85	118	751,19	748,34
29	184,61	181,75	74	471,08	468,25	119	757,55	754,70
30	190,98	188,15	75	477,45	474,60	120	763,92	761,07
31	197,35	194,50	76	483,82	480,95	121	770,28	767,43
32	203,71	200,85	77	490,18	487,35	122	776,65	773,80
33	210,08	207,25	78	496,55	493,70	123	783,02	780,17
34	216,44	213,60	79	502,91	500,05	124	789,38	786,53
35	222,81	219,95	80	509,28	506,45	125	795,75	792,90
36	229,18	226,35	81	515,65	512,80	126	802,12	799,27
37	235,54	232,70	82	522,01	519,15	127	808,48	805,63
38	241,91	239,05	83	528,38	525,55	128	814,85	812,00
39	248,27	245,40	84	534,74	531,90	129	821,21	818,36
40	254,64	251,80	85	541,11	538,25	130	827,58	824,73
41	261,01	258,15	86	547,48	544,65	131	833,95	831,10
42	267,37	264,50	87	553,84	551,00	132	840,31	837,46
43	273,74	270,90	88	560,21	557,35	133	846,68	843,83
44	280,10	277,25	89	566,57	563,70	134	853,04	850,19
45	286,47	283,60	90	572,94	570,10	135	859,41	856,56
46	292,84	290,00	91	579,31	576,45	136	865,78	862,93
47	299,20	296,35	92	585,67	582,80	137	872,14	869,29
48	305,57	302,70	93	594,04	589,20	138	878,51	875,66
49	311,93	309,10	94	598,40	595,55	139	884,87	882,02
50	318,30	315,45	95	604,77	601,90	140	891,24	888,39
51	324,66	321,80	96	611,14	608,30	141	897,61	894,76
52	331,03	328,20	97	617,50	614,65	142	903,97	901,12
53	337,40	334,55	98	623,87	621,00	143	910,34	907,49
54	343,76	340,90	99	630,23	627,40	144	916,70	913,85
55	350,13	347,30	100	636,60	633,75	145	923,07	920,22
56	356,50	353,65	101	642,97	640,10	146	929,44	926,59
57	362,86	360,00	102	649,33	646,50	147	935,80	932,95
58	369,23	366,40	103	655,70	652,85	148	942,17	939,32
59	375,59	372,75	104	662,06	659,20	149	948,53	945,68
60	381,96	379,10	105	668,43	665,60	150	954,90	952,05

Synchronscheiben-Durchmesser

XL

Kopfkreis-Durchmesser d_k
Wirk-Durchmesser d_o



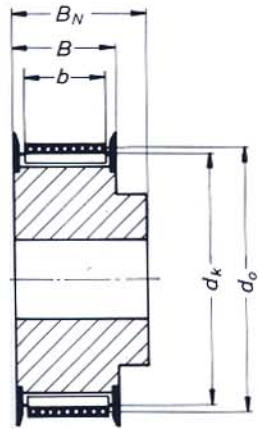
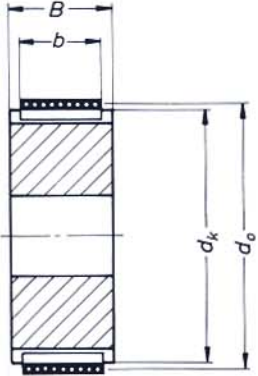
Mindestzähnezahlen und Durchmesser
 $z = 10$
 $d = \varnothing 30$ Spannrolle außenlaufend

Riemenbreite b	Radbreite B
Code 025 mm 6,35	12
Code 032 mm 7,94	14
Code 037 mm 9,53	16
Code 050 mm 12,7	19
Code 075 mm 19,1	25
Code 100 mm 25,4	32

Zähnezahl	Wirk- \varnothing d_o	Außen- \varnothing d_k	Zähnezahl	Wirk- \varnothing d_o	Außen- \varnothing d_k	Zähnezahl	Wirk- \varnothing d_o	Außen- \varnothing d_k
10	16,18	15,68	47	76,00	75,49	84	135,84	135,33
11	17,78	17,28	48	77,63	77,12	85	137,44	136,93
12	19,41	18,90	49	79,23	78,72	86	139,07	138,56
13	21,04	20,53	50	80,85	80,34	87	140,69	140,19
14	22,63	22,13	51	82,48	81,97	88	142,29	141,79
15	24,26	23,75	52	84,08	83,57	89	143,92	143,41
16	25,88	25,38	53	85,70	85,20	90	145,55	145,04
17	27,49	26,98	54	87,33	86,82	91	147,15	146,64
18	29,11	28,60	55	88,93	88,42	92	148,77	148,26
19	30,74	30,23	56	90,55	90,05	93	150,39	148,89
20	32,34	31,83	57	92,18	91,67	94	152,00	151,49
21	33,96	33,44	58	93,78	93,27	95	153,62	153,11
22	35,59	35,08	59	95,41	94,90	96	155,25	154,74
23	37,19	36,68	60	97,03	96,52	97	156,85	156,34
24	38,81	38,31	61	98,63	98,12	98	158,47	157,97
25	40,44	39,92	62	100,26	99,75	99	160,10	159,59
26	42,04	41,53	63	101,88	101,38	100	161,70	161,19
27	43,67	43,16	64	103,48	102,98	101	163,33	162,82
28	45,29	44,78	65	105,11	104,60	102	164,95	164,44
29	46,89	46,38	66	106,73	106,23	103	166,55	166,04
30	48,52	48,01	67	108,33	107,83	104	168,18	167,67
31	50,14	49,63	68	109,96	109,45	105	169,80	169,30
32	51,74	51,23	69	111,59	111,08	106	171,40	170,90
33	53,37	52,86	70	113,19	112,68	107	173,03	172,52
34	54,99	54,49	71	114,81	114,30	108	174,63	174,13
35	56,60	56,09	72	116,44	115,93	109	176,25	175,75
36	58,22	57,71	73	118,04	117,53	110	177,88	177,37
37	59,82	59,31	74	119,66	119,15	111	179,48	178,97
38	61,45	60,94	75	121,29	120,78	112	181,11	180,60
39	63,07	62,56	76	122,89	122,38	113	182,73	182,22
40	64,67	64,16	77	124,51	124,00	114	184,33	183,82
41	66,30	65,79	78	126,14	125,63	115	185,96	185,45
42	67,92	67,42	79	127,74	127,23	116	187,58	187,07
43	69,52	69,02	80	129,37	128,86	117	189,18	188,67
44	71,15	70,64	81	130,99	130,48	118	190,81	190,30
45	72,77	72,27	82	132,59	132,08	119	192,43	191,93
46	74,37	73,87	83	134,22	133,71	120	194,03	193,53



Kopfkreis-Durchmesser d_k
Wirk-Durchmesser d_o



Mindestzähnezahlen und Durchmesser
 $z = 10$
 $d = \varnothing 60$ Spannrolle außenlaufend

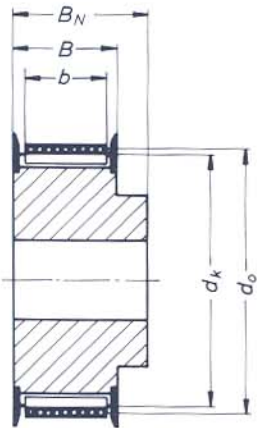
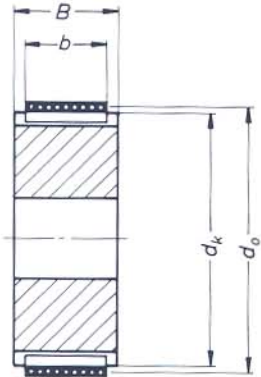
Riemenbreite b	Radbreite B
Code 037 mm 9,53	16
Code 050 mm 12,7	19
Code 075 mm 19,1	25
Code 100 mm 25,4	32
Code 150 mm 38,1	44
Code 200 mm 50,8	59
Code 300 mm 76,2	84
Code 400 mm 101,6	111

Zähnezahl	Wirk- \varnothing d_o	Außen- \varnothing d_k	Zähnezahl	Wirk- \varnothing d_o	Außen- \varnothing d_k	Zähnezahl	Wirk- \varnothing d_o	Außen- \varnothing d_k
10	30,33	29,59	48	145,55	144,94	86	260,73	260,15
11	33,35	32,64	49	148,57	147,98	87	263,78	263,20
12	36,37	35,66	50	151,59	150,98	88	266,81	266,22
13	39,42	38,71	51	154,64	154,03	89	269,85	269,27
14	42,44	41,74	52	157,66	157,05	90	272,88	272,32
15	45,47	44,78	53	160,68	160,07	91	275,90	275,34
16	48,51	47,78	54	163,73	163,12	92	278,95	278,36
17	51,54	50,83	55	166,75	166,14	93	281,97	281,47
18	54,59	53,88	56	169,78	169,17	94	284,99	284,43
19	57,61	56,92	57	172,83	172,22	95	288,04	287,48
20	60,63	59,95	58	175,85	175,24	96	291,06	290,50
21	63,68	63,00	59	178,90	178,29	97	294,11	293,55
22	66,70	66,04	60	181,92	181,31	98	297,13	296,57
23	69,73	69,09	61	184,94	184,33	99	300,16	299,60
24	72,77	72,11	62	187,99	187,33	100	303,20	302,64
25	75,80	75,14	63	191,01	190,40	101	306,22	305,67
26	78,85	78,16	64	194,03	193,42	102	309,25	308,69
27	81,87	81,21	65	197,08	196,50	103	312,50	311,74
28	84,89	84,25	66	200,10	199,50	104	315,32	314,76
29	87,94	87,30	67	203,15	202,54	105	318,34	317,78
30	90,96	90,33	68	206,17	205,57	106	321,39	320,83
31	93,98	93,35	69	209,20	208,61	107	324,41	323,90
32	97,03	96,40	70	212,24	211,66	108	327,46	326,90
33	100,05	99,44	71	215,27	214,66	109	330,48	329,92
34	103,08	102,47	72	218,29	217,71	110	333,51	332,95
35	106,12	105,49	73	221,34	220,75	111	336,55	335,99
36	109,15	108,54	74	224,36	223,78	112	339,58	339,02
37	112,20	111,59	75	227,38	226,80	113	342,60	342,04
38	115,22	114,61	76	230,43	229,82	114	345,65	345,09
39	118,24	117,63	77	233,45	232,87	115	348,67	348,11
40	121,29	120,65	78	236,50	235,92	116	351,69	351,13
41	124,31	123,68	79	239,53	238,94	117	354,74	354,21
42	127,33	126,72	80	242,55	241,96	118	357,76	357,20
43	130,38	129,77	81	245,60	245,01	119	360,81	360,25
44	133,40	132,40	82	248,62	248,03	120	363,83	363,27
45	136,43	135,82	83	251,64	251,06	130	394,16	393,62
46	139,47	138,87	84	254,69	254,11	140	424,46	423,93
47	142,50	141,89	85	257,71	257,15	150	454,79	454,25

Synchronscheiben-Durchmesser

H

Kopfkreis-Durchmesser d_k
Wirk-Durchmesser d_o

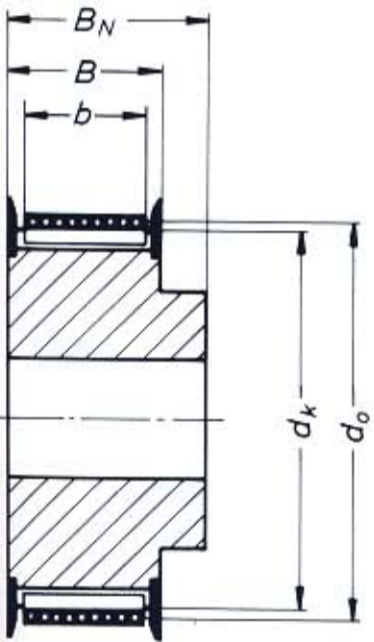
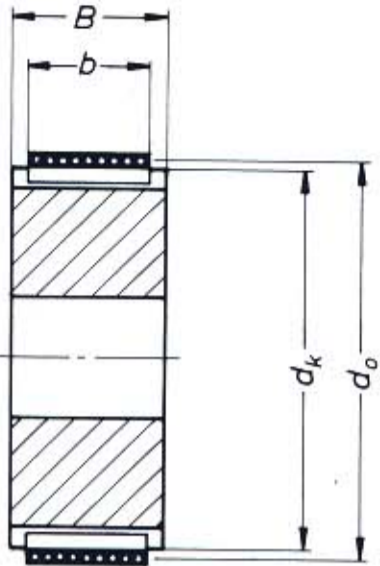


Mindestzähnezahlen und Durchmesser
 $z = 14$ innenlaufend
 $z = 20$ außenlaufend
 $d = \varnothing 80$ Spannrolle außenlaufend

Riemenbreite b	Radbreite B
Code 050 mm 12,7	19
Code 075 mm 19,1	25
Code 100 mm 25,4	32
Code 150 mm 38,1	44
Code 200 mm 50,8	59
Code 300 mm 76,2	84
Code 400 mm 101,6	111

Zähnezahl	Wirk-o d_o	Außen-o d_k	Zähnezahl	Wirk-o d_o	Außen-o d_k	Zähnezahl	Wirk-o d_o	Außen-o d_k
14	56,59	55,25	53	214,25	212,96	92	371,91	370,67
15	60,63	59,29	54	218,29	217,02	93	375,95	374,70
16	64,67	63,35	55	222,33	221,06	94	379,99	378,77
17	68,73	67,39	56	226,39	225,10	95	384,05	382,81
18	72,77	71,43	57	230,43	229,14	96	388,09	386,85
19	76,81	75,47	58	234,47	233,20	97	392,13	390,88
20	80,85	79,53	59	238,51	237,24	98	396,17	394,92
21	84,89	83,57	60	242,55	241,28	99	400,21	398,96
22	88,93	87,63	61	246,59	245,32	100	404,25	403,00
23	92,99	91,67	62	250,65	249,35	101	408,31	407,04
24	97,03	95,71	63	254,69	253,69	102	412,35	411,08
25	101,07	99,75	64	258,73	257,43	103	416,38	415,12
26	105,11	103,81	65	262,77	261,50	104	420,42	419,15
27	109,15	107,85	66	266,80	265,54	105	424,46	423,19
28	113,19	111,89	67	270,84	269,57	106	428,50	427,26
29	117,22	115,93	68	274,88	273,61	107	432,54	431,30
30	121,29	119,97	69	278,95	277,65	108	436,60	435,33
31	125,33	124,03	70	282,98	281,71	109	440,64	439,37
32	129,37	128,07	71	287,02	285,75	110	444,68	443,41
33	133,40	132,11	72	291,06	289,79	111	448,72	447,45
34	137,44	136,15	73	295,10	293,83	112	452,76	451,51
35	141,48	140,19	74	299,14	297,87	113	456,80	455,55
36	145,55	144,22	75	303,20	301,93	114	460,86	459,59
37	149,58	148,26	76	307,24	305,97	115	464,90	463,63
38	153,62	152,30	77	311,28	310,01	116	468,94	467,67
39	157,66	156,36	78	315,32	314,05	117	472,98	471,71
40	161,70	160,40	79	319,36	318,11	118	477,01	475,77
41	165,74	164,44	80	323,40	322,15	119	481,05	479,81
42	169,78	168,51	81	327,43	326,19	120	485,12	483,87
43	173,84	172,55	82	331,50	330,25	125	505,31	504,07
44	177,88	176,61	83	335,54	334,29	130	525,53	524,29
45	181,92	180,65	84	339,58	338,33	135	545,75	544,50
46	185,96	184,69	85	343,61	342,37	140	565,97	564,72
47	189,99	188,73	86	347,65	346,41	145	586,16	584,94
48	194,03	192,76	87	351,69	350,45	150	606,38	605,16
49	198,10	196,80	88	355,76	354,51	156	630,63	629,42
50	202,14	200,84	89	359,79	358,55			
51	206,18	204,88	90	363,83	362,59			
52	210,21	208,92	91	367,87	366,63			

Kopfkreis-Durchmesser d_k Wirk-Durchmesser d_o



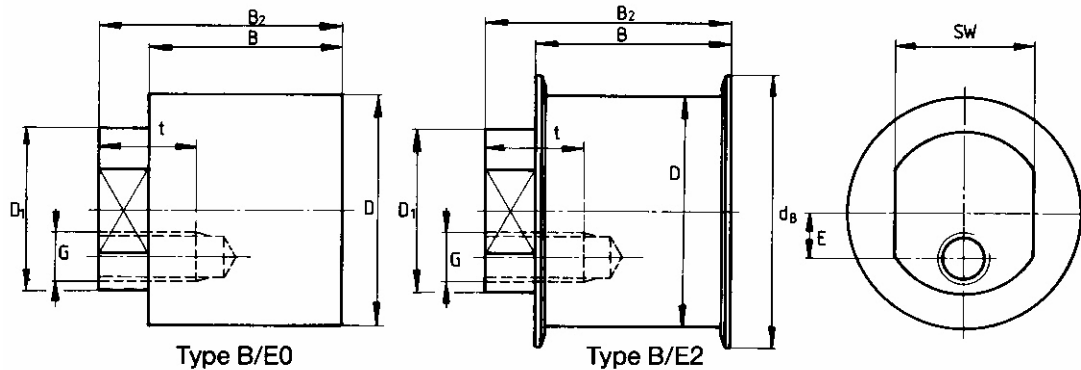
Mindestzähnezahlen und Durchmesser
 $z = 18$
 $d = \varnothing 150$ Spannrolle außenliegend

Riemenbreite b	Radbreite B
Code 200 mm 50,8	59
Code 300 mm 76,2	84
Code 400 mm 101,6	111

Zähnezahl	Wirk- \varnothing d_o	Außen- \varnothing d_k	Zähnezahl	Wirk- \varnothing d_o	Außen- \varnothing d_k	Zähnezahl	Wirk- \varnothing d_o	Außen- \varnothing d_k
18	127,33	124,54	59	417,40	414,61	100	707,44	704,65
19	134,42	131,63	60	424,46	421,67	101	714,53	711,74
20	141,48	138,69	61	431,55	428,76	102	721,59	718,80
21	148,57	145,77	62	438,61	435,82	103	728,68	725,88
22	155,63	152,84	63	445,70	442,90	104	735,74	732,95
23	162,72	159,92	64	452,76	449,96	105	742,83	740,03
24	169,80	167,01	65	459,85	457,05	106	749,89	747,09
25	176,86	174,07	66	466,91	464,11	107	756,97	754,18
26	183,92	181,13	67	473,99	471,20	108	764,04	761,24
27	191,01	188,22	68	481,05	478,26	109	771,12	768,33
28	198,10	195,30	69	488,14	485,35	110	778,18	775,39
29	205,16	202,37	70	495,20	492,41	111	785,27	782,48
30	212,24	209,45	71	502,29	499,49	112	792,33	789,54
31	219,31	216,51	72	509,38	506,58	113	799,42	796,62
32	226,39	223,60	73	516,44	513,64	114	806,48	803,68
33	233,45	230,66	74	523,50	520,70	115	813,57	810,77
34	240,54	237,75	75	530,58	527,79	116	820,63	817,83
35	247,60	244,81	76	537,67	534,67	117	827,71	824,92
36	254,69	251,90	77	544,73	541,94	118	834,77	831,98
37	261,75	258,96	78	551,82	549,02	119	841,86	839,07
38	268,84	266,04	79	558,88	556,09	120	848,95	846,15
39	275,90	273,10	80	565,97	563,17	122	863,10	860,30
40	282,98	280,19	81	573,03	570,23	124	877,24	874,45
41	290,05	287,25	82	580,11	577,32	125	884,30	881,51
42	297,13	294,34	83	587,18	584,38	126	891,39	888,60
43	304,19	301,40	84	594,26	591,47	128	905,54	902,74
44	311,28	308,49	85	601,32	598,53	130	919,69	916,89
45	318,34	315,55	86	608,41	605,62	132	933,83	931,04
46	325,43	322,63	87	615,47	612,68	134	947,98	945,19
47	332,49	329,70	88	622,56	619,76	135	955,04	952,25
48	339,58	336,78	89	629,62	626,82	136	962,13	959,34
49	346,66	343,87	90	636,71	633,91	138	976,28	973,48
50	353,72	350,93	91	643,77	640,97	140	990,43	987,63
51	360,81	358,02	92	650,85	648,06	142	1004,57	1001,78
52	367,87	365,08	93	657,12	655,12	144	1018,72	1015,93
53	374,96	372,16	94	665,00	662,21	145	1025,81	1023,01
54	382,02	379,23	95	672,06	669,27	146	1032,87	1030,08
55	389,11	386,31	96	679,15	676,35	148	1047,02	1044,22
56	396,17	393,37	97	686,24	683,44	150	1061,16	1058,37
57	403,25	400,46	98	693,29	690,50			
58	410,32	407,52	99	700,38	697,59			

TENSIONERS

Stock Type B With Eccentric Adjustment



Specifications

Tensioners Type B incorporate 2 ball bearings. They are permanently lubricated and will not lose their lubricity up to 70°C continuous temperature. Intermittent temperatures up to 120°C are permissible.

Material

Shaft: Steel

Flat pulley: Aluminum

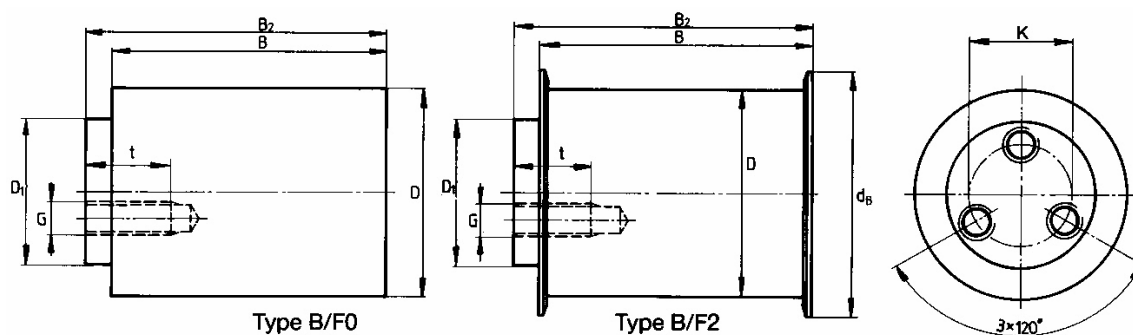
Flanges: Aluminum

Ordering Example

Tensioner Type B 117 / 180 - 2
 Width B _____
 Diameter _____
 No. of flanges _____

Part Numbers		Type	B	D	dB	B2	E
			mm	mm	mm	mm	mm
Tensioner type B	34 / 32-0	B/E0	34	32	-	42	5
Tensioner type B	34 / 32-2	B/E2	34	32	41.4	42	5
Tensioner type B	40 / 60-0	B/E0	40	60	-	50	5
Tensioner type B	AT5-40 / 60-2	B/E2	40	60	69.4	50	5
Tensioner type B	T10-40 / 60-2	B/E2	40	60	73.0	50	5
Tensioner type B	64 / 60-0	B/E0	64	60	-	74	5
Tensioner type B	AT5-64 / 60-2	B/E2	64	60	69.4	74	5
Tensioner type B	T10-64 / 60-2	B/E2	64	60	73.0	74	5
Tensioner type B	114 / 60-0	B/F0	114	60	-	124	-
Tensioner type B	AT5-114 / 60-2	B/F2	114	60	69.4	124	-
Tensioner type B	T10-114 / 60-2	B/F2	114	60	73.0	124	-
Tensioner type B	70 / 120-0	B/E0	70	120	-	85	5
Tensioner type B	AT10-70 / 120-2	B/E2	70	120	137.0	85	5
Tensioner type B	T20-70 / 120-2	B/E2	70	120	144.0	85	5
Tensioner type B	117 / 120-0	B/F0	117	120	-	131	-
Tensioner type B	AT10-117 / 120-2	B/F2	117	120	137.0	131	-
Tensioner type B	T20-117 / 120-2	B/F2	117	120	144.0	131	-
Tensioner type B	117 / 180-0	B/F0	117	180	-	131	-
Tensioner type B	117 / 180-2	B/F2	117	180	204.0	131	-

Stock Type B With Flange

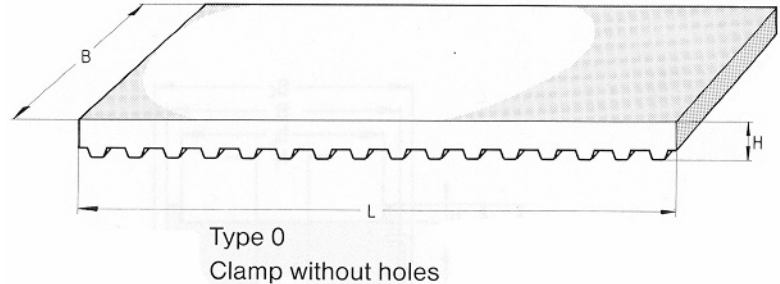


K mm	G mm	t mm	SW mm	D1 mm	Load Ratings		Max. rpm n	Recommended Applications	
					Cdynamic N	Cstatic N		Max. Belt Width mm	Belt Type mm
-	M6	15	17	20	7,950	3,920	30,000	25	T5, XL
-	M6	15	17	20	7,950	3,920	30,000	25	T5, XL
-	M12	20	27	30	19,300	13,100	15,000	32	AT5, T10, L, H
-	M12	20	27	30	19,300	13,100	15,000	32	AT5
-	M12	20	27	30	19,300	13,100	15,000	32	T10, L, H
-	M12	20	27	30	19,300	13,100	15,000	50	AT5, T10, L, H
-	M12	20	27	30	19,300	13,100	15,000	50	AT5
-	M12	20	27	30	19,300	13,100	15,000	50	T10, L, H
34	M8 (3x)	15	-	45	19,300	13,100	15,000	100	AT5, T10, L, H
34	M8 (3x)	15	-	45	19,300	13,100	15,000	100	AT5
34	M8 (3x)	15	-	45	19,300	13,100	15,000	100	T10
-	M20	30	36	45	70,500	48,000	7,500	50	AT10, T20
-	M20	30	36	45	70,500	48,000	7,500	50	AT10
-	M20	30	36	45	70,500	48,000	7,500	50	T20
65	M12 (3x)	24	-	85	70,500	48,000	7,500	100	AT10, T20
65	M12 (3x)	24	-	85	70,500	48,000	7,500	100	AT10
65	M12 (3x)	24	-	85	70,500	48,000	7,500	100	T20
80	M16 (3x)	25	-	106	106,000	76,000	6,300	100	AT20
80	M16 (3x)	25	-	106	106,000	76,000	6,300	100	AT20

CLAMPS

STANDARD SIZES

Clamps are frequently used with linear drive applications when one or both ends of the belt are to be attached to the equipment. Pre-tension cannot be applied with clamps.

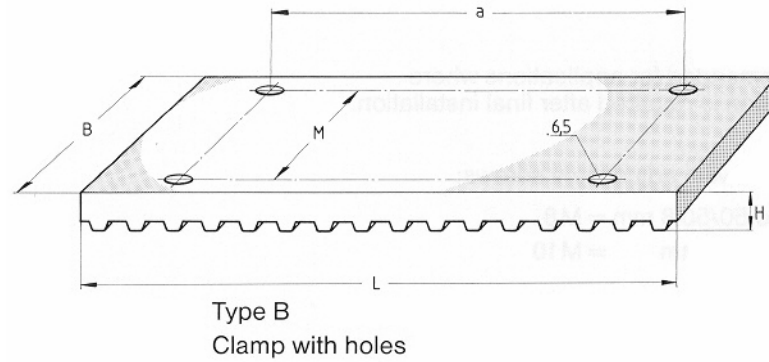


English Pitches

Material: Aluminum

Part Numbers	Belt Width b mm	B mm	L mm	H mm	Belt Type
50 x 120 T1/5"	25.4	50	120	10	25.4 T1/5"
50 x 160 T3/8"			160	10	25.4 T3/8"
50 x 160 T1/2"			160	10	25.4 T1/2"
50 x 200 T7/8"			200	20	25.4 T7/8"
60 x 160 T3/8"	38.1	60	160	10	38.1 T3/8"
60 x 160 T1/2"			160	10	38.1 T1/2"
60 x 200 T7/8"			200	20	38.1 T7/8"
75 x 160 T3/8"	50.8	75	160	10	50.8 T3/8"
75 x 160 T1/2"			160	10	50.8 T1/2"
75 x 200 T7/8"			200	20	50.8 T7/8"
110 x 160 T1/2"	76.2	110	160	10	76.2 T1/2"
110 x 200 T7/8"			200	20	76.2 T7/8"
140 x 160 T1/2"	101.6	140	160	10	101.6 T1/2"
140 x 200 T7/8"			200	20	101.6 T7/8"

STANDARD SIZES



Metric Pitches

Material: Aluminum

Part Numbers	Belt Width b mm	B mm	L mm	M mm	H mm	a mm	Belt Type
50 x 120 AT 5	25	50	120	38	10	80	25 AT5
50 x 160 AT10			160		10	110	25 AT10
50 x 200 AT20			200		20	160	25 AT20
50 x 120 T5			120		10	80	25 T5
50 x 160 T10			160		10	110	25 T10
50 x 200 T20			200		20	160	25 T20
60 x 120 AT5	32	60	120	46	10	80	32 AT5
60 x 160 AT10			160		10	110	32 AT10
60 x 200 AT20			200		20	160	32 AT20
60 x 120 T5			120		10	80	32 T5
60 x 160 T10			160		10	110	32 T10
60 x 200 T20			200		20	160	32 T20
75 x 120 AT5	50	75	120	62	10	80	50 AT5
75 x 160 AT10			160		10	110	50 AT10
75 x 200 AT20			200		20	160	50 AT20
75 x 120 T5			120		10	80	50 T5
75 x 160 T10			160		10	110	50 T10
75 x 200 T20			200		20	160	50 T20
110 x 120 AT5	75	110	120	94	10	80	75 AT5
110 x 160 AT10			160		10	110	75 AT10
110 x 200 AT20			200		20	160	75 AT20
110 x 120 T5			120		10	80	75 T5
110 x 160 T10			160		10	110	75 T10
110 x 200 T20			200		20	160	75 T20
140 x 120 AT5	100	140	120	124	10	80	100 AT5
140 x 160 AT10			160		10	110	100 AT10
140 x 200 AT20			200		20	160	100 AT20
140 x 120 T5			120		10	80	100 T5
140 x 160 T10			160		10	110	100 T10
140 x 200 T20			200		20	160	100 T20
190 x 160 AT10	150	190	160	174	10	110	150 AT10
190 x 200 AT20			200		20	160	150 AT20
190 x 200 T20			200		20	160	150 T20

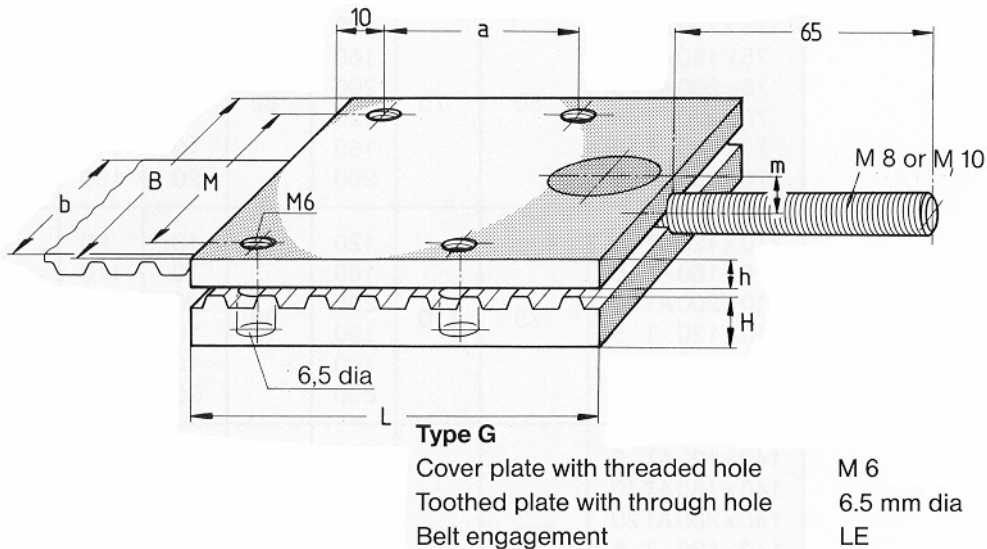
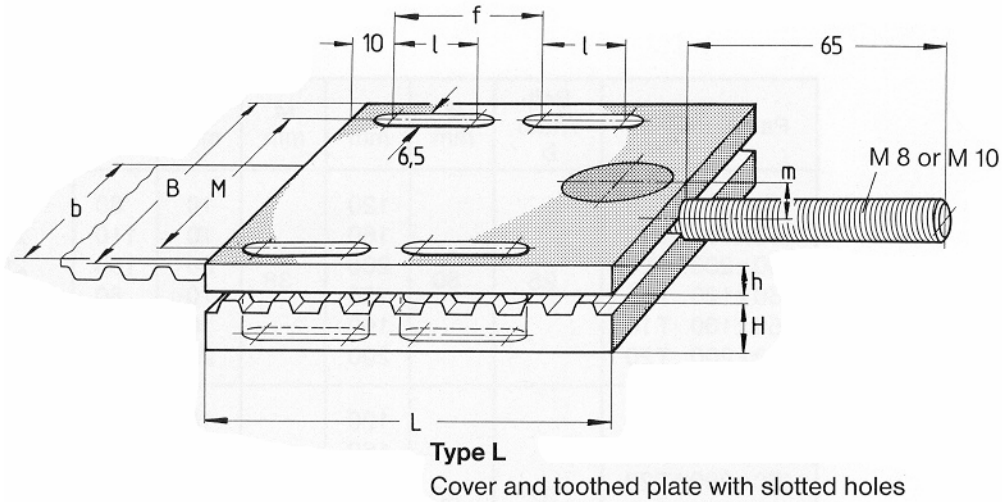
TENSIONERS

STANDARD SIZES

Tensioners are recommended for applications where adjustment of pretension is required after final installation.

Tensioners are supplied with adjustment screws:

Belt width up to 50/50.8 mm = M 8
Belt width up to 150 = M 10



APPLICATION

BRECO and BRECOFLEX timing belts have been very successful in solving conveying applications. Meshing of pulleys and belt teeth guarantee accurate drive forces. Steel cord tension members allow the transmission of high loads without post elongation. The belts are constructed of polyurethane, which has excellent properties with regards to abrasion and coefficient of friction.

To support the timing belt and the product to be conveyed, slider beds are to be provided. Depending on the functional requirements, slider beds are available with and without edge guiding.

Slider beds are available as standard accessory items based on the various belt widths. Standard sections are 2000 mm long. Longer lengths are also available.

MATERIAL

The slider beds are constructed of UHMW. This material is abrasion resistant and, at the same time, has a low coefficient of friction. The dynamic coefficient in relation to BRECOFLEX timing belts is:

Standard Polyurethane $\mu = .3$ approx.

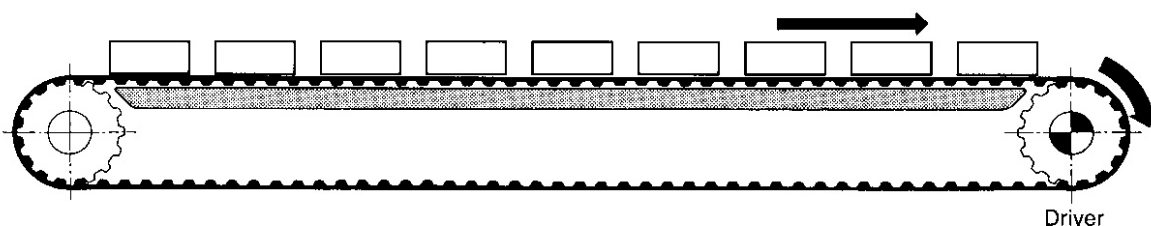
The C-section profile is constructed of zinc plated steel. A rectangular slot is provided to facilitate the use of mounting screws. The C-section profile is to be provided with mounting holes by the customer.

INSTALLATION HINTS

Because of the relatively high coefficient of thermal expansion of UHMW, expansion slots have to be provided in the slider bed design, which should be cut at an angle of less than 30° . The slider bed should be attached to the C-section steel profile at one end to allow for expansion of the plastic material.

As a rule of thumb, the linear expansion of UHMW is 2 mm over a length of 1000 mm at a temperature variation of 10°C .

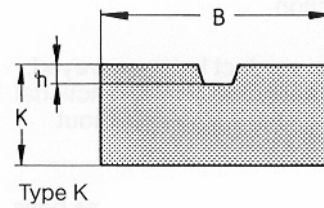
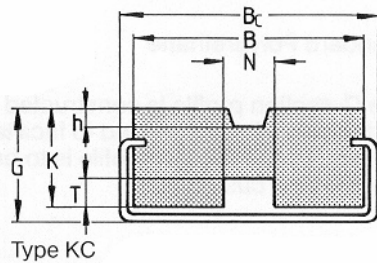
CONVEYOR SYSTEM WITH TIMING BELT



SLIDER BEDS

Slider Beds for Self-tracking Belts

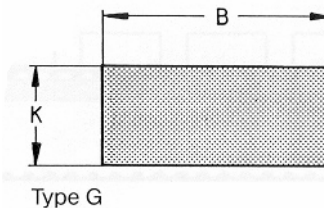
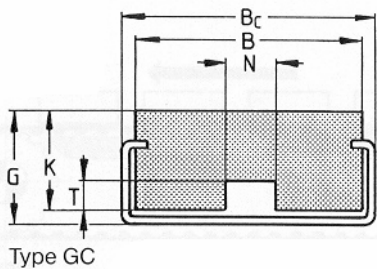
Slider beds with V-groove are used in combination with self-tracking belts.
Please consult BRECOflex catalog on self-tracking belts.



Part Numbers		B	B _c	N	T	K	G	h	Recommended for Self-tracking belts		
Type KC	Type K	mm	mm	mm	mm	mm	mm	mm			
KC 32 x 4	K 32 x 4	45	50	11	7	22	23.5	4	32 ATK5	32 TK5	
KC 50 x 4	K 50 x 4	68	75	14	9	32	34.5	4	50 ATK5	50 TK5	
KC 32 x 4.5	K 32 x 4.5	45	50	11	7	22	23.5	4.5	32 ATK10	32 TK10	
KC 50 x 4.5	K 50 x 4.5	68	75	14	9	32	34.5	4.5	50 ATK10	50 TK10	50.8 HK
KC 75 x 4.5	K 75 x 4.5	93	100	14	9	32	34.5	4.5	75 ATK10	75 TK10	76.7 HK
KC 100 x 4.5	K 100 x 4.5	118	125	14	9	32	34.5	4.5	100 ATK10	100 TK10	101.6 HK
KC 50 x 2	K 50 x 2	68	75	14	9	32	34.5	2	50 ATK20	50 TK20	
KC 75 x 2	K 75 x 2	93	100	14	9	32	34.5	2	75 ATK20	75 TK20	
KC 100 x 2	K 100 x 2	118	125	14	9	32	34.5	2	100 ATK20	100 TK20	

Slider Beds Without Edge Guiding

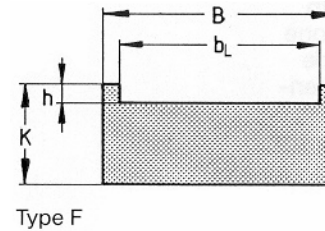
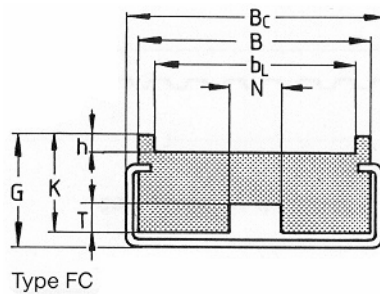
Slider beds without edge guiding can be used with all our polyurethane timing belts.
They are recommended for all conveying applications with minimal side loads.



Part Numbers		B	B _c	N	T	K	G	Recommended For Belt Width	
Type GC	Type G	mm	mm	mm	mm	mm	mm		
GC 32	G 32	45	50	11	7	22	23.5	32	
GC 50	G 50	68	75	14	9	32	34.5	50 / 50.8	
GC 75	G 75	93	100	14	9	32	34.5	75 / 76.2	
GC 100	G 100	118	125	14	9	32	34.5	100 / 101.6	

Slider Beds With Edge Guiding

Slider beds with edge guides are recommended for applications where the timing belt conveyor must be guided due to side thrusts.



Part Numbers		B	Bc	bL	N	T	K	G	h	Recommended for
Type FC	Type F	mm	mm	mm	mm	mm	mm	mm	mm	Self-tracking belts
FC 32 x2	F 32 x2	45	50	33	11	7	22	23.5	2	32 AT5 32 T5
FC 50 x2	F 50 x2	68	75	51	14	9	32	34.5	2	50 AT5 50 T5
FC 75 x2	F 75 x2	93	100	46	14	9	32	34.5	2	75 AT5 75 T5
FC 100 x2	F 100 x2	118	125	101	14	9	32	34.5	2	100 AT5 100 T5
FC 51 x3	F 51 x3	68	75	52	14	9	32	34.5	3	50.8 T3/8"
FC 76 x3	F 76 x3	93	100	77	14	9	32	34.5	3	76.2 T3/8"
FC 101 x3	F 101 x3	118	125	103	14	9	32	34.5	3	101.6 T3/8"
FC 51 x3.5	F 51 x3.5	68	75	52	14	9	32	34.5	3.5	50.8 T1/2"
FC 76 x3.5	F 76 x3.5	93	100	77	14	9	32	34.5	3.5	76.2 T1/2"
FC 101 x3.5	F 101 x3.5	118	125	103	14	9	32	34.5	3.5	101.6 T1/2"
FC 32 x4	F 32 x4	45	50	33	14	7	22	23.5	4	32 AT10 32 T10
FC 50 x4	F 50 x4	68	75	51	14	9	32	34.5	4	50 AT10 50 T10
FC 75 x4	F 75 x4	93	100	76	14	9	32	34.5	4	75 AT10 75 T10
FC 100 x4	F 100 x4	118	125	101	14	9	32	34.5	4	100 AT10 100 T10
FC 50 x7	F 50 x7	68	75	51	14	9	32	34.5	7	50 AT20 50 T20
FC 75 x7	F 75 x7	93	100	76	14	9	32	34.5	7	75 AT20 75 T20
FC 100 x7	F 100 x7	118	125	101	14	9	32	34.5	7	100 AT20 100 T20