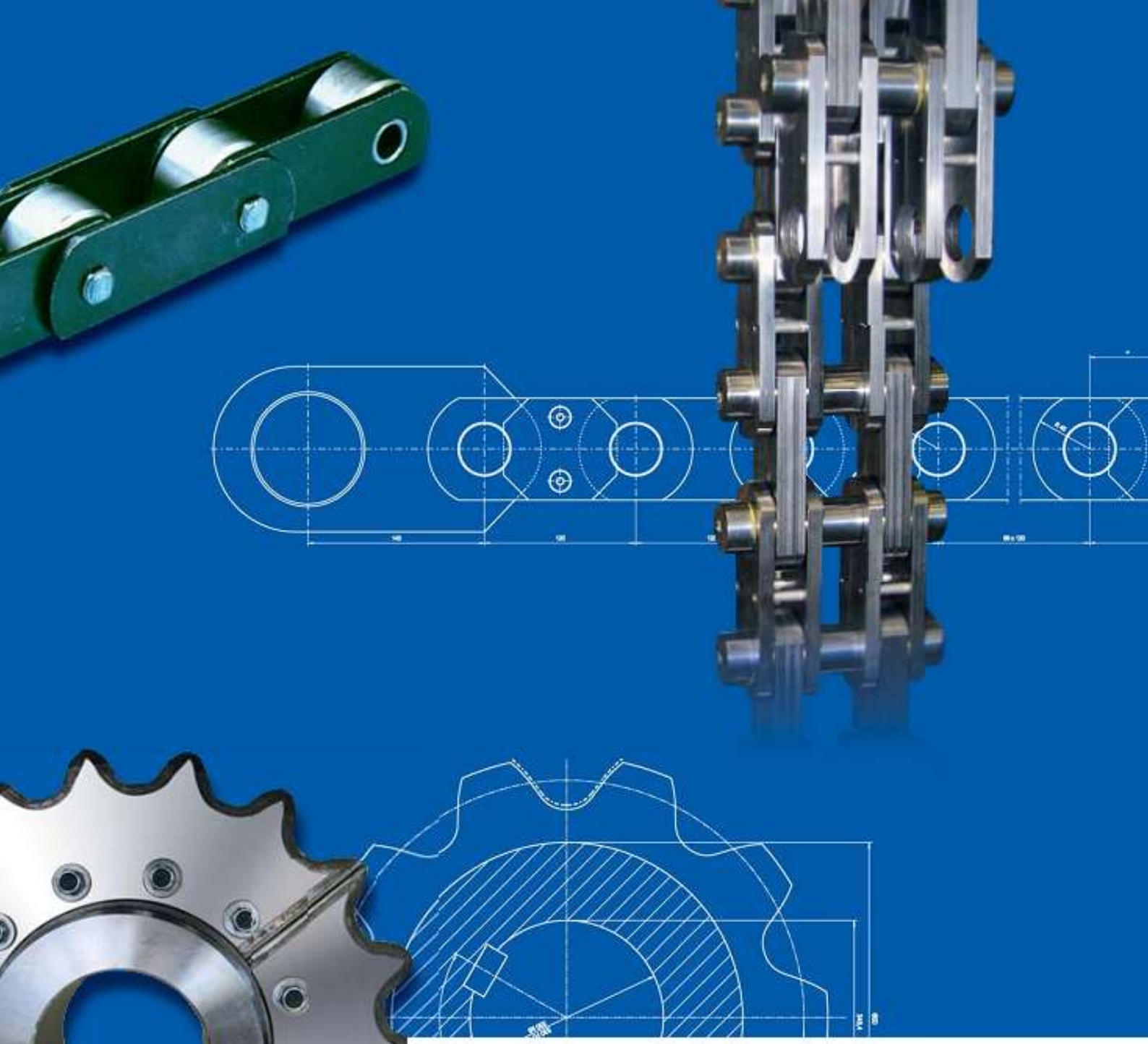

Specifikacije prenosnih lanaca

Keten d.o.o.

Babići b.b.
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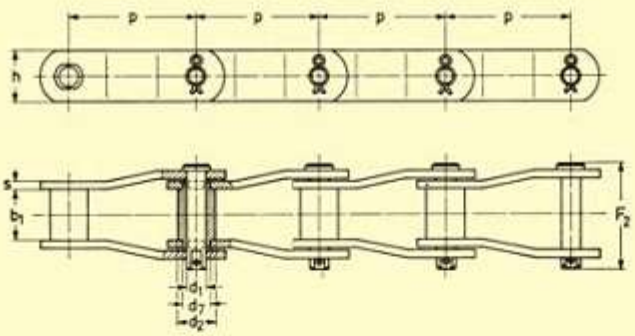
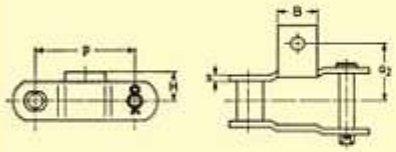
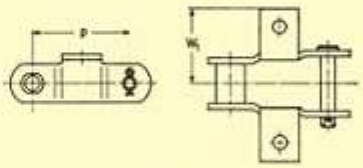
chain



chain links



standard 1



standard 10

Crder No.	p mm	b_1 mm min	d_1 mm	d_2 mm	d_7 mm	h mm	s mm	F_2 mm	f cm²	F_B N min.	q kg/m	a_2 mm	B mm	H mm	W_1 mm
St. 59*	59,5	28,0	9	21	17	30	5	62	3,42	56000	4,4	37,5	25	22	52,5
St. 63*	63,0	29,5	10	21	15	30	5	63	3,95	65000	4,4	40,0	25	22	52,5
St. 65*	65,5	33,0	12	25	18	30	6	72	5,40	78000	6,5	40,0	32	22	55,0
St. 87	87,0	48,0	17	35	28	45	6	88	10,20	90000	11,5	55,0	45	30	70,0
St. 100	100	31,0	12	23	18	35	5	65	4,92	73000	4,2	55,0	60	28	70,0
St. 100 A	100	29,0	13	27	19	35	6	68	5,33	98000	5,3	55,0	60	28	70,0
St. 100 B	100	41,0	15	30	22	40	6	82	7,95	127000	8,5	60,0	60	30	80,0
St. 150	150	48,0	17	32	26	50	8	96	10,88	155000	11,5	60,0	70	38	75,0

* with waisted plates f = joint surface F_B = breaking load q = chain weight

Normally, the chain links are supplied without mounting holes. If necessary, we ask for information regarding the desired hole diameter.
Other types of chain links and chain wheels are available on request.

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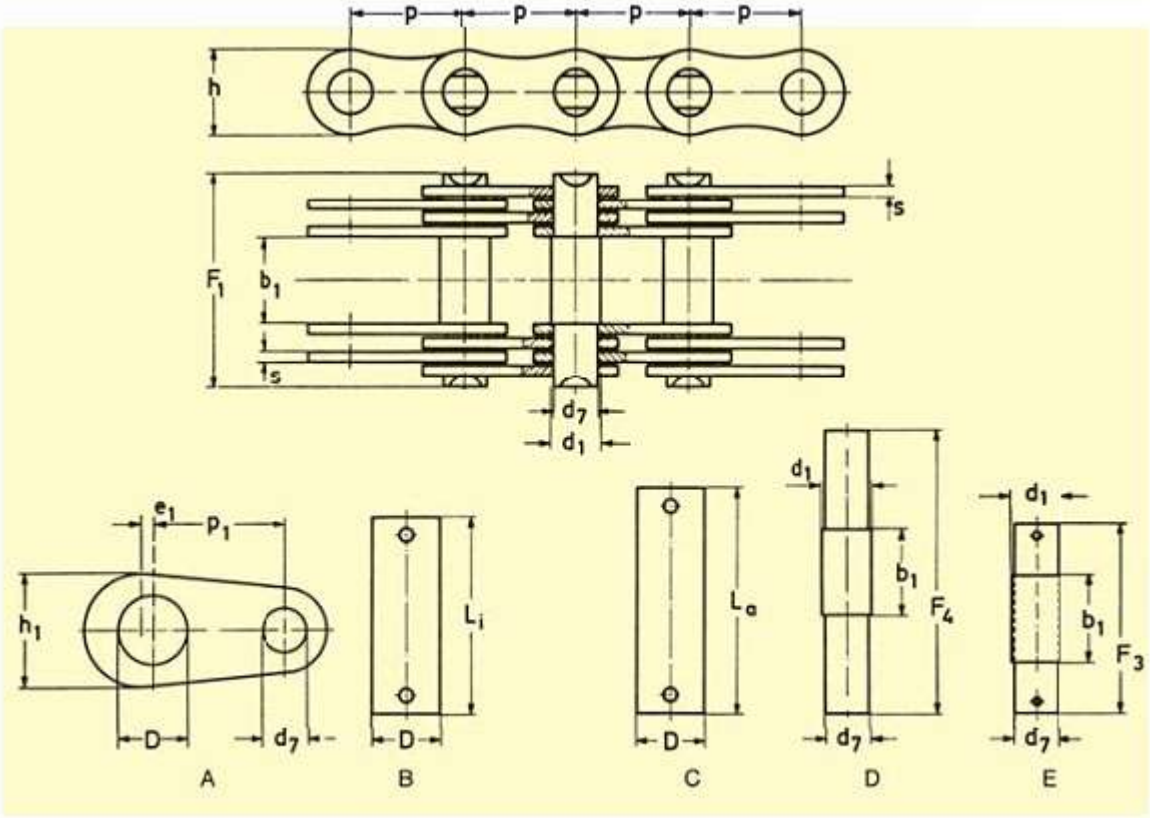

ISO nm	p_1 mm	b_1 mm min.	d_1 mm max.	d_7 mm	D mm max.	e_1 mm	F_1 mm max.	F_3 mm max.	F_4 mm max.	h mm max.	h_1 mm	L_a mm max.	L_i mm max.	s mm	x	f cm²	F_B N min.	q kg/m
6*	–	4	3	2,3	–	–	11	12	–	5	–	–	–	1	2	0,05	1250	0,2
8*	15	6	3,5	2,5	6	–	13	16	–	7	16	17	17	1	2	0,05	1500	0,3
10*	15	8	4	3	6	–	17	19	–	8	16	22	19	1,5	2	0,09	2500	0,4
13*	20	10	5	4	8	–	21	22,5	–	10	18	29	25	2	2	0,16	4500	0,6
15	20	12	5	4	9	2,0	25	27	–	12	18	33	29	2	2	0,16	5000	0,7
20	25	15	8	6	10	2,0	28	33	–	15	20	36	32	2	2	0,24	12500	1,0
20*	25	15	8	6	10	2,0	36	42	63	15	24	41	37	2	4	0,48	15000	2,0
25	30	18	10	8	12	2,5	36	42	68	18	25	46	40	3	2	0,48	25000	1,7
25*	30	18	10	8	12	2,5	47	52	80	18	23,5	54	48	3	4	0,96	35000	2,9
30*	40	20	11	9	14	3,0	43	50	80	20	30	48	44	2	4	0,72	37500	2,7
30	40	20	11	9	14	3,0	51	58	88	20	30	60	54	3	4	1,08	40000	3,1
35	45	22	12	10	16	3,5	53	61	93	26	35	62	55	3	4	1,20	60000	4,1
40	50	25	14	12	18	4,0	58	66	102	30	40	70	63	3	4	1,44	80000	5,0
45	55	30	17	14	22	4,5	63	70	108	35	45	75	68	3	4	1,68	100000	6,2
50**	60	35	22	18	26	5,0	90	97	141	38	50	103	98	4,5	4	3,24	300000	10,9
55**	65	40	24	21	32	5,5	100	115	169	40	55	132	110	6	4	5,04	390000	14,1
60**	70	45	26	23	36	6,0	114	120	171	45	60	139	125	6	4	5,52	500000	17,2
70***	85	50	32	28	40	7,0	148	157	213	55	70	169	156	6	6	10,08	375000	33,5
80***	100	60	36	32	50	8,5	159	171	233	60	85	189	176	6	6	11,52	500000	38,2
90***	120	70	40	36	60	10	184	200	266	70	100	214	199	7	6	15,12	750000	53,0
100***	140	80	45	40	70	12	224	234	309	80	120	256	239	7	8	22,95	1000000	76,6
110***	160	90	50	45	80	14	236	251	327	90	140	279	264	7	8	25,28	1250000	90,0
120***	180	100	55	50	90	16	262	277	357	100	160	305	287	8	8	32,00	1500000	112

* Manufacturers standard specifications ** Hardened pins, tempered plates *** with straight plates
f = joint surface F_B = breaking load q = chain veight x = number of links Chain wheels on request

Materials:
Links: Steel of 600 N/mm² tensile strength.
Pins: Steel of 500 N/mm² tensile strength.

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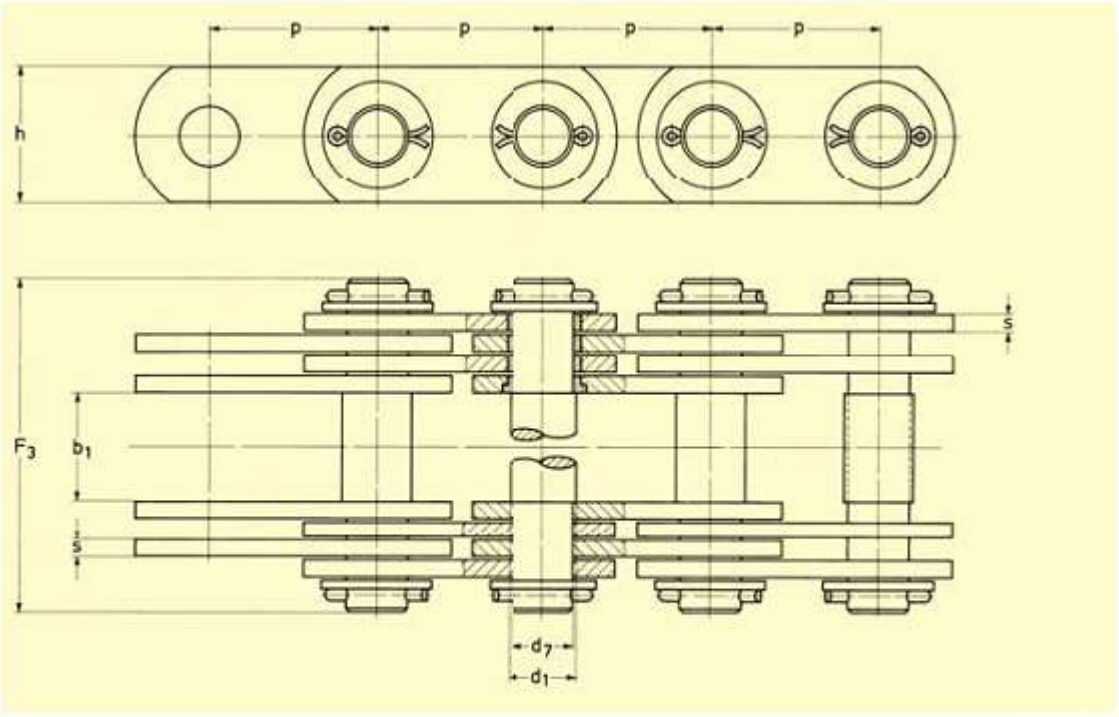

DN 8156

p mm	b_1 mm min.	d_1 mm h_{11}	d_7 mm	F_3 mm max.	h mm max.	s mm	Splint DIN 94	f cm^2	F_B N min.	q kg/m
30	20	11	9	60	20	3	2,5 x 16	1,1	30000	4
50	25	14	12	71	30	3	3,2 x 20	1,5	60000	6
60	35	22	20	103	40	5	5 x 32	4,0	190000	14
70	45	28	25	143	50	8	6,3 x 40	8,0	380000	27
90	60	36	32	183	60	10	8 x 50	13	600000	42
110	70	45	40	211	80	12	8 x 56	19	960000	68
120	80	50	45	248	80	15	10 x 63	27	1200000	83
160	100	60	55	320	100	20	10 x 71	44	1900000	130
180	120	80	70	385	130	25	13 x 90	70	3000000	220
240	140	90	80	456	160	30	13 x 100	96	4800000	305
280	160	110	100	481	200	30	13 x 125	120	6000000	395

DN 8157

p mm	b_1 mm min.	d_1 mm h_{11}	d_7 mm	F_3 mm max.	h mm max.	s mm	Splint DIN 94	f cm^2	F_B N min.	q kg/m
70	45	28	25	143	60	8	6,3 x 40	8	380000	35
90	60	36	32	183	70	10	8 x 50	13	600000	50
110	70	45	40	211	90	12	8 x 56	19	960000	75
120	80	50	45	248	90	15	10 x 63	27	1200000	93
160	100	60	55	320	110	20	10 x 71	44	1900000	140
180	120	80	70	385	140	25	13 x 90	70	3000000	250
240	140	90	80	456	180	30	13 x 100	96	4800000	345
280	160	110	100	481	220	30	13 x 125	120	6000000	435

f = oint surface q = chain weight f_B = breaking load Chain wheels on request

Materials:
Links: Steel with a minimum of 600 N/mm² tensile strength.
Pins: DIN 8156: Steel with a minimum of 500 N/mm² tensile strength, DIN 8157: Surface-hardened steel according to DIN 17200 or DIN 17210

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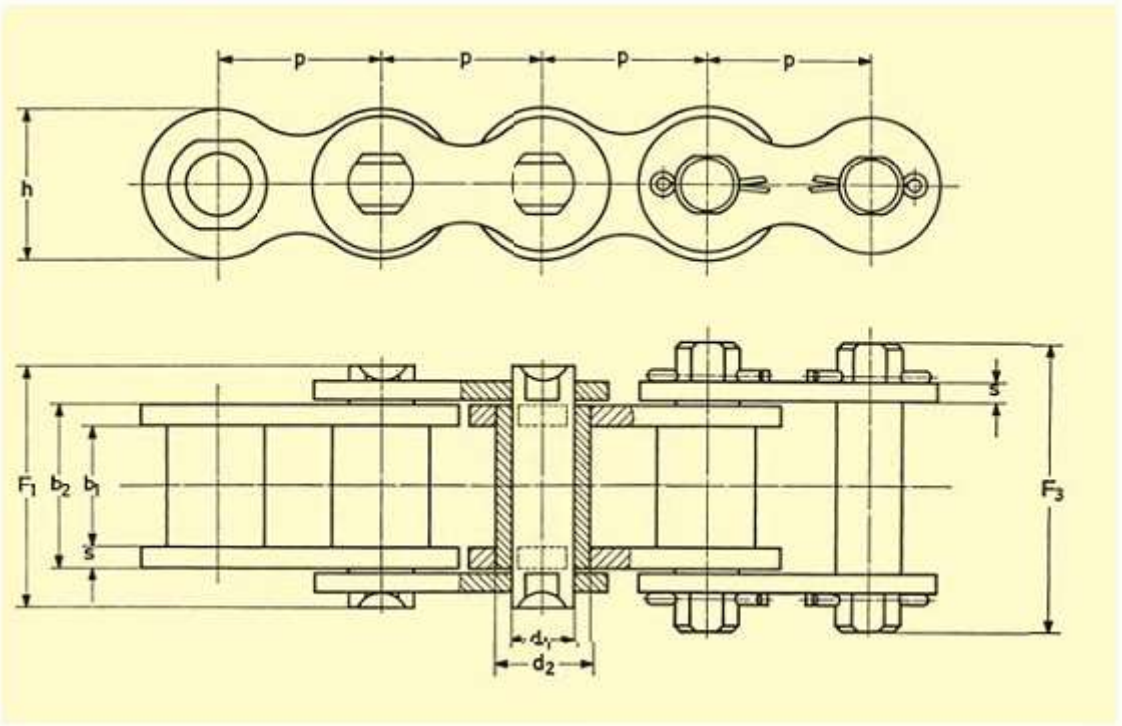
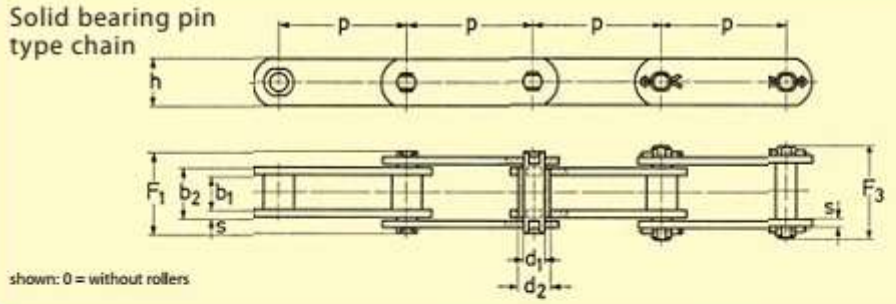


order no.	p mm	b_1 mm min.	b_2 mm max.	d_1 mm max.	d_2 mm max.	F_1 mm	F_3 mm	h mm max.	s mm	f cm²	F_B N min.	q kg/m
201	15	14	18,5	6	9	25,3	30,0	14	2	1,11	12500	1,2
202	20	16	22,5	8	12	32,7	38,2	19	3	1,84	25000	2,1
203	25	18	24,5	10	15	36,1	43,2	24	3	2,50	31500	2,6
204	30	20	28,5	11	17	42,1	50,2	28	4	3,19	40000	4,0
205	35	22	30,5	12	18	44,0	54,0	30	4	3,72	50000	4,3
206	40	25	35,5	14	20	52,0	61,0	35	5	5,04	63000	6,0
207	45	30	42,5	16	22	61,0	70,0	40	6	6,88	80000	7,6
208	50	35	47,5	18	26	66,0	79,0	44	6	8,64	100000	9,0
209	55	45	61,5	20	30	85,5	99,0	49	8	12,60	125000	13,6
210	60	50	66,5	22	32	96,0	104	55	8	14,96	160000	14,9
211	65	55	72,0	26	36	97,5	113	61	8	18,98	200000	18,9
212	70	65	86,0	30	42	117	130	67	10	26,10	250000	24,7
214	80	70	96,0	32	44	130	148	75	12	30,72	315000	31,0
216	90	80	106	36	50	140	160	85	12	38,16	400000	41,8
218	100	90	116	42	56	152	168	95	12	45,72	500000	46,4

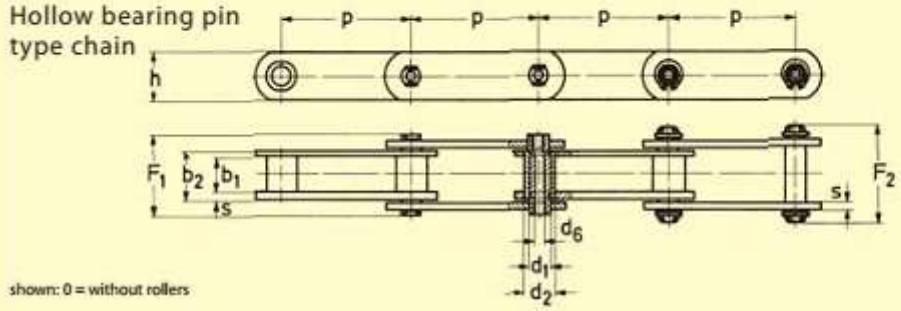
f = joint surface F_B = breaking load q = chain weight connecting links p. 79 Performance chart p. 31
Chain wheels on request

Solid bearing pin type chain



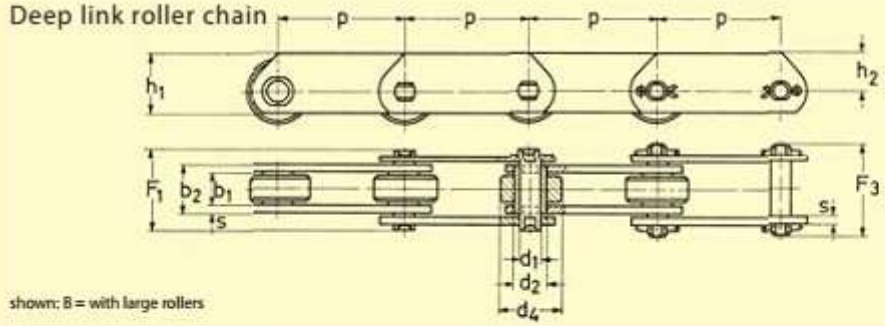
shown: 0 = without rollers

Hollow bearing pin type chain



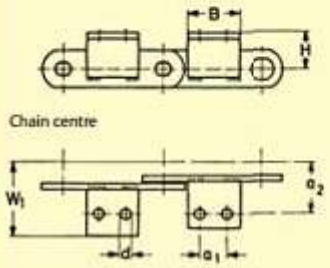
shown: 0 = without rollers

Deep link roller chain

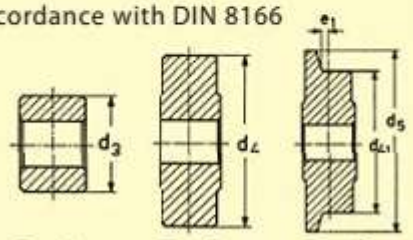


shown: B = with large rollers

Chain links



rollers in accordance with DIN 8166



Type A: Small roller

Type B: Large roller

Type D: Flanged roller

Best. Nr.	DIN Nr.	p mm	b_1 mm min.	b_2 mm max.	d_1 mm	d_2 mm O	d_3 mm A	d_4 mm B	d_4/d_5 mm D	d_6 mm min.	e_1 mm	F_1 mm	F_2 mm	F_3 mm	h mm	s mm	h_1 mm	h_2 mm	f cm^2	F_B N min.	F_{Bh} N min.
203	FV 40	40 50 63 80 100	18	25	10	15	20	32	– – 40/48**	–	4,0	36	–	43	26	3	35	22,0	2,50	40000	–
205	FV 63	63 80 100 125 160	22	31	12	18	26	40	– 50/60*	8	5,0	44,0	44,0	54,0	30	4	40	25,0	3,72	63000	45000
206	FV 90	63 100 125 160 200 250	25	36	14	20	30	48	– 63/73*	10	6,5	52,0	51,2	61,0	35	5	45	27,5	5,04	90000	63000
207	FV 112	100 125 160 200 250	30	43	16	22	32	55	72/87*	11	7,5	61,0	60,2	70,0	40	6	50	30,0	6,88	112000	82000
208	FV 140	100 125 160 200 250	35	48	18	26	36	60	– 80/95*	12	9,0	66,0	65,3	79,0	45	6	60	37,5	8,64	140000	105000
209	FV 180	125 160 200 250 315	45	63	20	30	42	70	– 100/120*	14	13	85,5	84,8	99,0	50	8	70	45,0	12,60	180000	135000
211	FV 250	125 160 200 250 315	55	73	26	36	50	80	– 125/145*	18	15	97,5	95,3	113	60	8	80	50,0	18,98	250000	190000
212	FV 315	160 200 250 315 400	65	87	30	42	60	90	– 140/170*	20	18	117	113,3	130	70	10	90	55	26,10	315000	240000
214	FV 400	160 200 250 315 400	70	96	32	44	60	100	– 150/185*	22	20	130	127,3	148	70	12	90	55	30,72	400000	320000
216	FV 500	160 200 250 315 400	80	106	36	50	70	110	– – 160/195*	26	21	140	138,3	160	80	12	100	60	38,16	500000	400000
218	FV 630	200 250 315 400 500	90	116	42	56	80	120	– 170/210*	30	22	152	149,3	169	100	12	120	70	48,72	630000	520000

Nastavak na slijedećoj stranici

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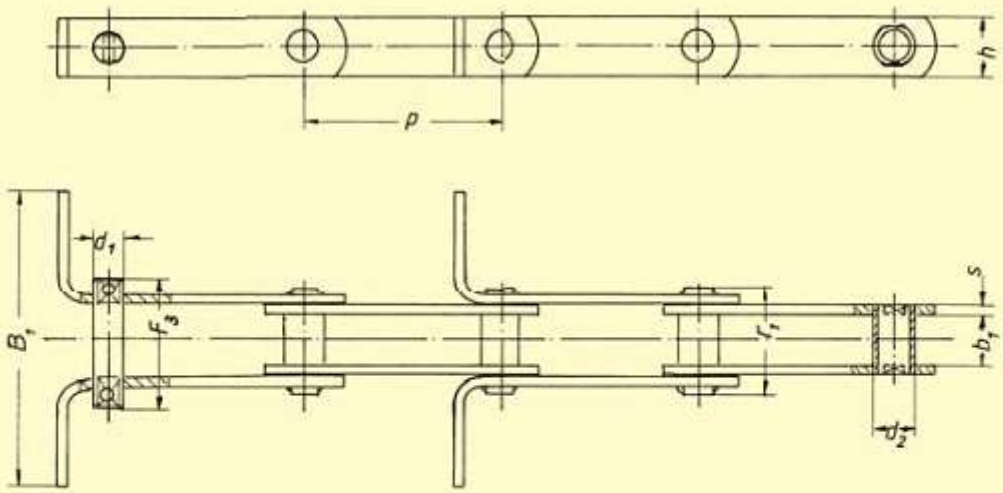
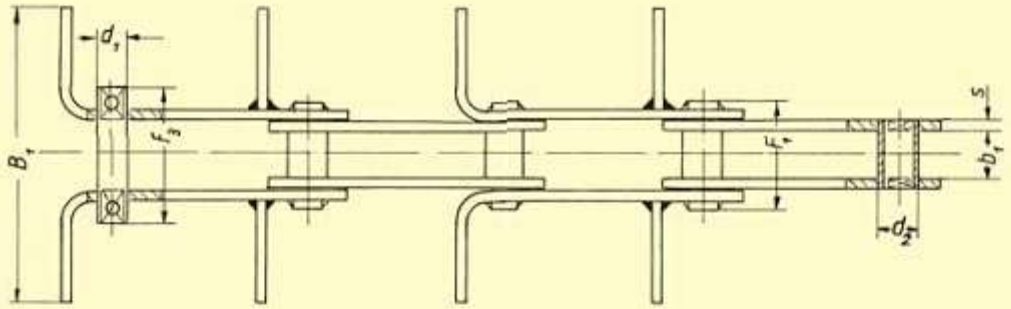
Best.-Nr.	DIN Nr.	p mm	a_1 mm	a_2*** mm	B mm max.	d mm max.	H*** mm	W_1 mm max.	Angle section	q kg/m O	q kg/m A	q kg/m B	q kg/m D	▲
203	FV 40	40	–	–	–	–	–	–	–	2,59	3,04	4,68	–	–
		50	●	25	25	6,4	20	49	■	2,34	2,70	4,06	–	0,02
		63	●		31				■	2,08	2,36	3,43	4,65	0,03
		80	●		40				■	1,91	2,14	3,02	4,01	0,04
		100	30		50				■	1,76	1,94	2,60	3,38	0,05
205	FV 63	63	●	34	40	8,4	30	50	■	3,46	4,17	6,08	–	0,05
		80	●		40				30 x 30 x 4	3,10	3,72	5,29	6,00	0,07
		100	30		50					2,92	3,37	4,57	5,60	0,09
		125	40		60					2,67	3,03	3,97	4,82	0,12
		160	50		70					2,45	2,73	3,48	4,13	0,14
206	FV 90	63	–	–	–	–	–	–	–	5,72	6,87	10,0	–	–
		100	30	40	50	8,4	35	63	40 x 40 x 5	4,67	5,40	7,37	9,59	0,15
		125	40		60					4,35	4,93	6,51	8,29	0,19
		160	50		70					3,87	4,32	5,56	6,95	0,24
		200	60		80					3,50	3,86	4,85	5,96	0,27
		250	65		85					3,47	3,76	4,55	5,44	0,30
207	FV 112	100	30	50	50	11	40	68	40 x 40 x 6	6,11	7,06	10,5	14,3	0,18
		125	40		65					5,85	6,61	9,39	12,4	0,23
		160	50		75					5,26	5,85	8,03	10,4	0,28
		200	65		90					5,00	5,47	7,30	9,13	0,35
		250	80		105					4,72	5,10	6,49	8,02	0,47
208	FV 140	100	30	50	55	11	45	80	50 x 50 x 7	7,38	8,69	13,3	–	0,28
		125	40		65					6,78	7,80	11,5	15,7	0,33
		160	50		75					6,56	7,36	10,2	13,5	0,41
		200	65		90					5,82	6,46	8,77	11,4	0,51
		250	80		105					5,48	5,99	7,85	9,96	0,69
209	FV 180	125	35	64	63	13	45	90	50 x 50 x 7	10,7	12,5	19,2	–	0,33
		160	50		80					9,72	11,2	16,3	22,2	0,41
		200	65		95					9,12	10,0	14,4	19,1	0,51
		250	80		110					8,51	9,43	12,7	16,9	0,69
		315	100		130					8,20	8,93	11,6	14,5	0,82
211	FV 250	125	●	69	50	13	55	110	65 x 65 x 7	14,3	17,5	27,5	–	0,39
		160	50		80					13,0	15,5	23,4	39,9	0,62
		200	65		95					11,8	13,8	20,6	33,3	0,77
		250	80		110					10,8	12,4	17,4	28,0	1,04
		315	100		130					10,0	11,2	15,2	23,6	1,23
212	FV 315	160	●	85	50	13	60	124	70 x 70 x 9	20,04	24,51	35,67	–	0,65
		200	65		95					18,24	21,82	30,74	43,59	0,93
		250	80		110					16,79	19,65	26,79	37,07	1,25
		315	100		130					15,53	17,80	23,46	31,62	1,48
		400	100		130					14,56	16,35	20,81	27,23	1,48
214	FV 400	160	●	95	50	17	65	131	70 x 70 x 11	24,16	28,52	45,58	–	0,78
		200	60		100					21,91	25,40	39,05	56,11	1,12
		250	80		120					20,17	22,96	33,88	47,53	1,50
		315	100		140					18,73	20,95	29,61	40,44	1,78
		400	100		140					17,56	19,31	26,12	34,66	1,78
216	FV 500	160	●	100	50	17	70	146	80 x 80 x 12	30,04	37,18	58,90	–	0,84
		200	50		90					27,04	32,75	50,13	–	1,25
		250	80		120					24,65	29,22	43,12	55,48	1,88
		315	100		140					22,68	26,30	37,34	47,14	2,23
		400	100		140					21,06	23,91	32,60	40,33	2,23
218	FV 630	200	●	115	50	17	80	171	100 x 100 x 12	36,45	45,22	67,25	–	1,24
		250	70		110					32,93	39,95	57,57	76,20	2,13
		315	100		140					30,02	35,59	49,57	64,36	2,83
		400	100		140					27,65	32,04	43,05	54,69	2,83
		500	100		140					25,88	29,39	38,20	47,52	2,83

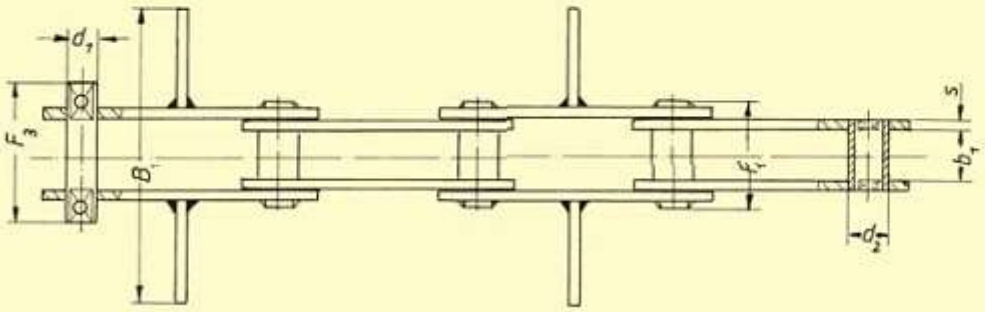
* GG 20 in steel upon request ** steel *** clearance f = joint surface F_B = breaking load F_{Bh} = breaking load (hollow bearing pin type conveyor chain) q = chain weight
● 1 hole only ■ bent attachment plate ▲ weight of the attachment plate in kg/item Inch pitches or other mm-pitches on request



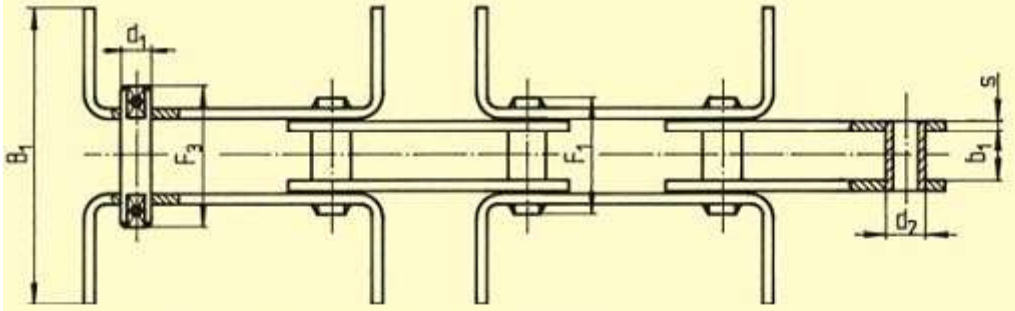
Type A: each outer link with bent scrapers



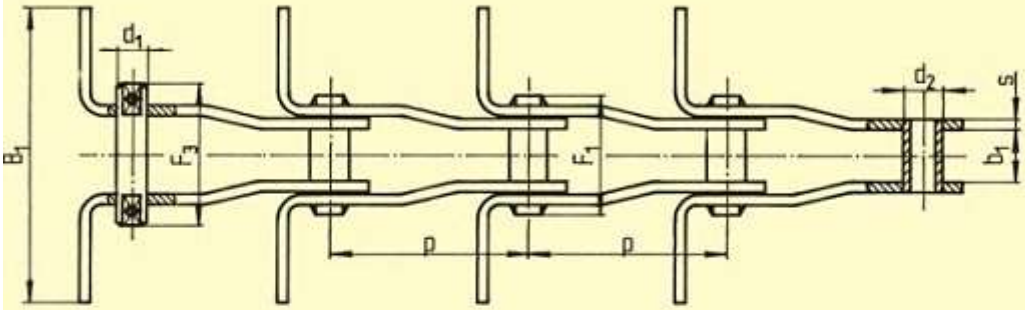
Type B: each outer link with bent and additionally welded scrapers



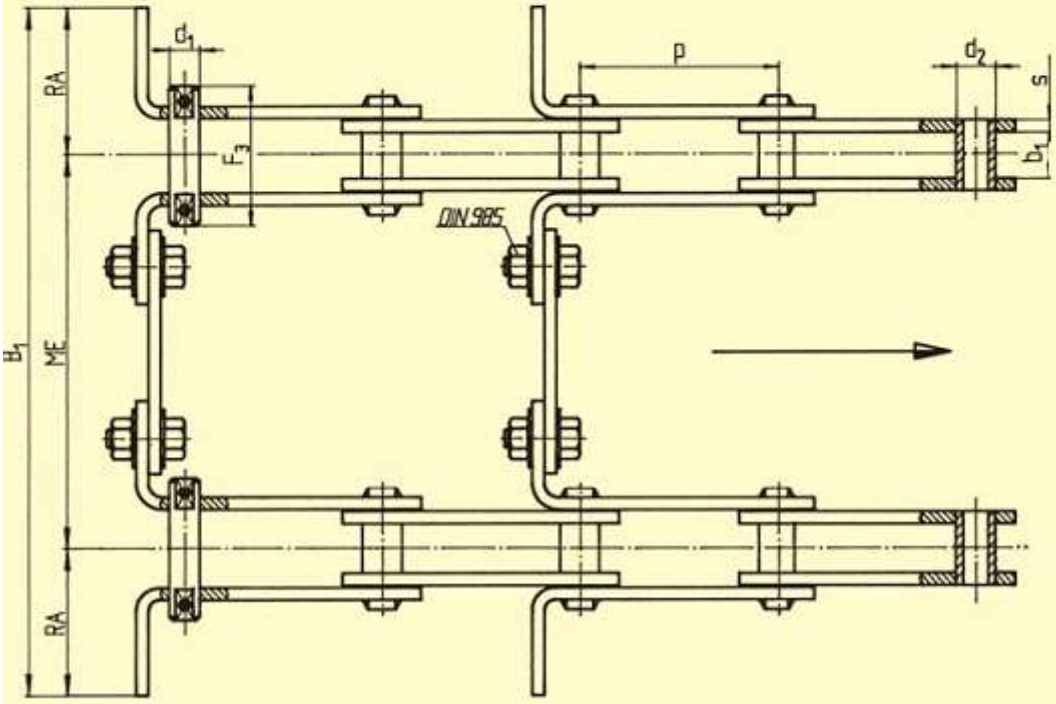
Type C: each outer link with scrapers welded to the centre



Type D: (U-shaped), each outer link with bent scrapers



Type E: with bent links, each member having bent scrapers



Type F: Double strand scraper conveyor chain, each outer link with bent scrapers and bolted centre studs

Obj. č.	DIN Nr.	p mm	b_1 mm min.	b_2 mm max.	d_1 mm	d_2 mm O	d_3 mm A*	e_1 mm	F_1 mm	F_3 mm	h mm	s mm	f cm^2	F_B** N min.	B_1 mm	ME mm	RA mm
303	FV 40	40 63 100	18	25	10	15	20	4,0	36,0	43,0	26	3	2,50	40000			
305	FV 63	63 100 125 160	22	31	12	18	26	5,0	44,0	54,0	30	4	3,72	63000			
306	FV 90	63 100 125 160 200 250	25	36	14	20	30	6,5	52,0	61,0	35	5	5,04	90000			
307	FV 112	100 125 160 200 250	30	43	16	22	32	7,5	61,0	70,0	40	6	6,88	112000			
308	FV 140	100 125 160 200 250 315	35	48	18	26	36	9,0	66,0	79,0	45	6	8,64	140000			
309	FV 180	125 160 200 250 315 400	45	63	20	30	42	13	85,5	99,0	50	8	12,60	180000	please specify	please specify	please specify
311	FV 250	125 160 200 250 315 400	55	73	26	36	50	15	97,5	113	60	8	18,98	250000			
312	FV 315	160 200 250 315 400	65	87	30	42	60	18	117	130	70	10	26,10	315000			
314	FV 400	160 200 250 315 400	70	96	32	44	60	20	130	148	70	12	30,72	400000			
316	FV 500	160 200 250 315 400	80	106	36	50	70	21	140	160	80	12	38,16	500000			
318	FV 630	200 250 315 400 500	90	116	42	56	80	22	152	169	100	12	48,72	630000			

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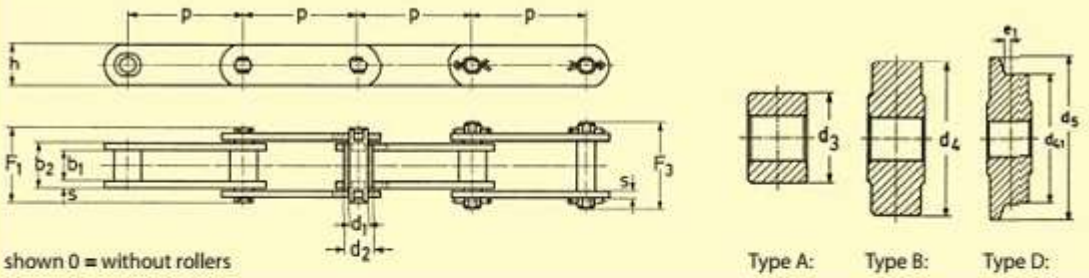
Solid bearing pin type chain — rollers in accordance with DIN 8169



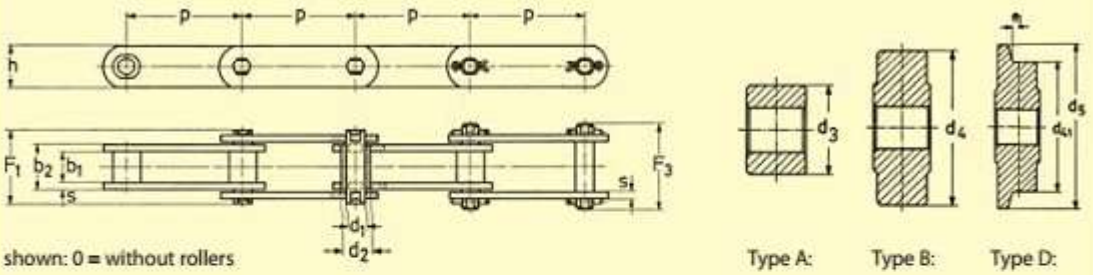
ISO-Nr.	p mm	b_1 mm min.	b_2 mm max.	d_1 mm	d_2 mm O	d_3 mm A	d_4 mm B	d_4/d_5 mm D	e_1 mm	F_1 mm	F_3 mm	h mm	s mm	f cm^2	F_B N min.
M 20**	40 50 63 80 100 125 160	16	22	6	9	12,5	25	25/30	4	31,2	46,2	18	2,5	1,32	20000
M 28**	50 63 80 100 125 160 200	18	25	7	10	15	30	30/36	4,5	35,2	40,2	20	3	1,75	28000
M 40**	63 80 100 125 160 200 250	20	28	8,5	12,5	18	36	36/42	4,5	40,2	47,2	25	3,5	2,38	40000
M 56	63 80 100 125 160 200 250	24	33	10	15	21	42	42/50	6	47,2	56,2	30	4	3,30	56000
M 80	80 100 125 160 200 250 315	28	39	12	18	25	50	50/60	7	55,2	64,2	35	5	4,68	80000
M 112	80 100 125 160 200 250 315 400	32	45	15	21	30	60	60/70*	7,5	64,2	75,2	40	6	6,75	112000

* GG 20. In steel upon request ** Pins + bushings not flatted f = joint surface F_B = breaking load
Inch pitches or other mm-pitches on request.

KETEN d.o.o.

Babići b.b.
Gračanica 75320

Solid bearing pin type chain — rollers in accordance with DIN 8169



Continued from page 44

ISO Nr.	p mm	b_1 mm min.	b_2 mm max.	d_1 mm	d_2 mm O	d_3 mm A	d_4 mm B	d_4/d_5 mm D	e_1 mm	F_1 mm	F_3 mm	h mm	s mm	f cm^2	F_B N min.
M 160	100 125 160 200 250 315 400 500	37	52	18	25	36	70	70/85*	8,5	73,3	88,3	50	7	9,36	160000
M 224	125 160 200 250 315 400 500 630	43	60	21	30	42	85	85/100*	10	86,3	99,3	60	8	12,60	224000
M 315	160 200 250 315 400 500 630	48	70	25	36	50	100	100/120*	10,5	100,3	120,3	70	10	17,50	315000
M 450	200 250 315 400 500 630 800	56	82	30	42	60	120	120/140*	11,5	117,3	141,3	80	12	24,60	450000
M 630	250 315 400 500 630 800 1000	63	96	36	50	70	140	140/170*	14,5	136,3	159,3	100	14	34,56	630000
M 900	250 315 400 500 630 800 1000	73	112	44	60	85	170	170/210*	17	157,3	179,3	120	16	49,28	900000

* GG 20, in steel upon request f - joint surface F_B - breaking load Inch pitches or other mm-pitches on request

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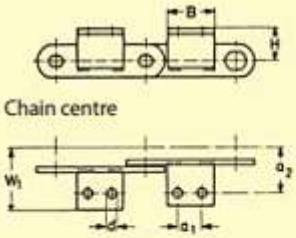
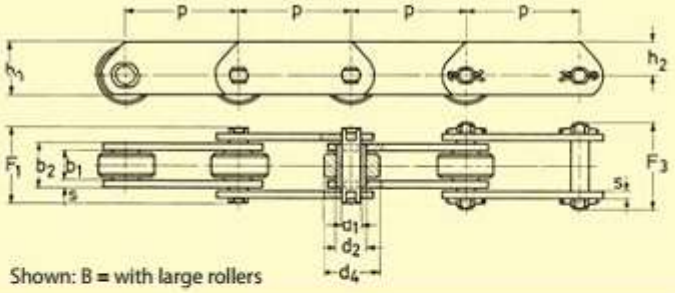
Chain links



Deep link roller chain



Shown: B = with large rollers

ISO Nr.	p mm	a_1 mm	a_2* mm	B mm max.	d mm max.	h_1 mm	h_2 mm	H* mm	W_1 mm max.	Winkelprofil	q kg/m O	q kg/m A	q kg/m B	q kg/m D	▲
M 20	40	●	27	14	6,6	25	16	16	42	■	1,08	1,44	2,61	2,81	0,02
	50	●		14						■	1,01	1,29	2,23	2,39	0,02
	63	20		35						25 x 20 x 3	0,99	1,23	2,00	2,13	0,04
	80	35		50							0,90	1,07	1,67	1,77	0,06
	100	50		65							0,86	1,00	1,47	1,55	0,07
	125	50		65							0,82	0,95	1,32	1,39	0,07
	160	50		65							0,80	0,89	1,19	1,24	0,07
M 28	50	●	32	20	9	30	20	20	50	■	1,54	1,82	3,32	3,52	0,02
	63	●		20						■	1,42	1,64	2,84	3,00	0,02
	80	25		45						20 x 20 x 3	1,32	1,50	2,44	2,57	0,05
	100	40		60							1,24	1,38	2,13	2,23	0,07
	125	65		85							1,18	1,30	1,90	1,93	0,10
	160	65		85							1,13	1,22	1,69	1,75	0,10
	200	65		85							1,10	1,17	1,54	1,59	0,10
M 40	63	●	35	20	9	35	22,5	25	56	■	2,24	2,57	4,47	4,70	0,03
	80	20		40						30 x 30 x 3	1,98	2,25	3,75	3,95	0,06
	100	40		60							1,91	2,12	3,32	3,47	0,08
	125	65		85							1,81	1,98	2,93	3,03	0,15
	160	65		85							1,71	1,85	2,60	2,71	0,15
	200	65		85							1,64	1,75	2,35	2,42	0,15
	250	65		85							1,60	1,68	2,16	2,23	0,15
M 56	63	●	44	22	11	45	30	30	70	■	3,32	3,83	6,93	7,23	0,05
	80	●		22						■	3,01	3,41	5,86	6,20	0,05
	100	25		50						40 x 40 x 4	2,79	3,11	5,07	5,31	0,12
	125	50		75							2,60	2,87	4,43	4,65	0,18
	160	85		110							2,44	2,64	3,87	4,04	0,27
	200	85		110							2,34	2,50	3,49	3,63	0,27
	250	85		110							2,25	2,37	3,16	3,27	0,27
M 80	80	●	48	22	11	50	32,5	35	80	■	4,65	5,29	9,35	9,95	0,05
	100	●		22						■	4,27	4,79	8,03	8,50	0,05
	125	50		75						40 x 40 x 4	3,97	4,38	6,98	7,35	0,18
	160	85		110							3,70	4,03	6,05	6,35	0,27
	200	125		150							3,51	3,77	5,39	5,63	0,36
	250	125		150							3,37	3,57	4,87	5,05	0,36
	315	125		150							3,24	3,41	4,43	4,53	0,36
M 112	80	●	55	28	14	60	40	40	92	50 x 50 x 3	6,75	7,88	14,6	15,3	0,13
	100	●		28							6,15	7,06	12,4	13,0	0,13
	125	35		65							5,69	6,42	10,7	11,2	0,30
	160	65		95							5,26	5,83	9,15	9,54	0,44
	200	100		130							4,97	5,43	8,09	8,33	0,59
	250	100		130							4,74	5,10	7,22	7,47	0,59
	315	100		130							4,53	4,82	6,52	6,70	0,59
	400	100		130							4,38	4,61	5,94	6,03	0,59

* clearance q = chain weight ● = 1 hole only ■ = bent attachment plate ▲ = weight of the attachment plate in kg/item.
Inch pitches or other mm-pitches on request.

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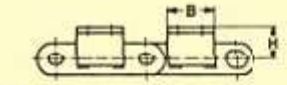
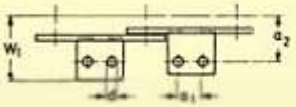
Gračanica 75320

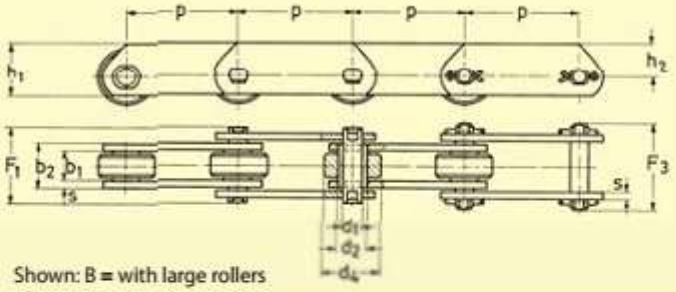
Chain links



Chain centre



Deep link roller chain



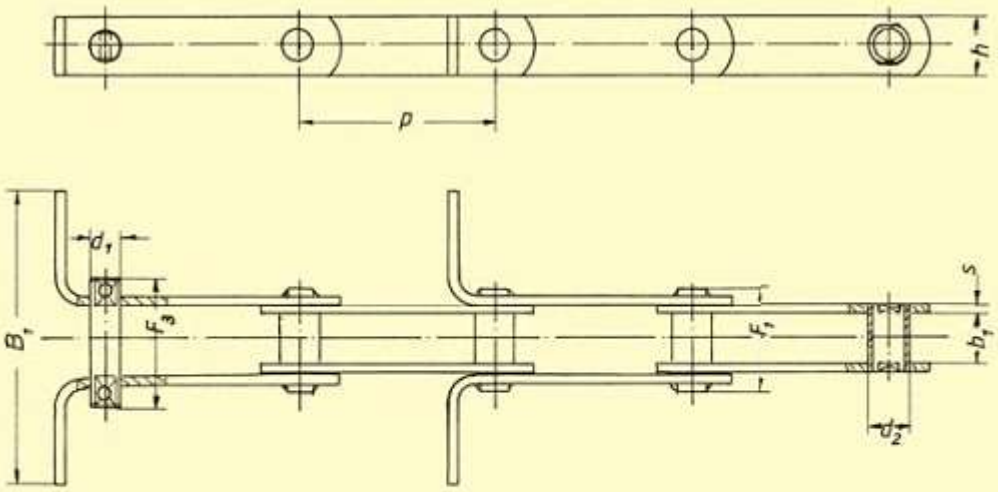
Shown: B = with large rollers

Continued from page 46

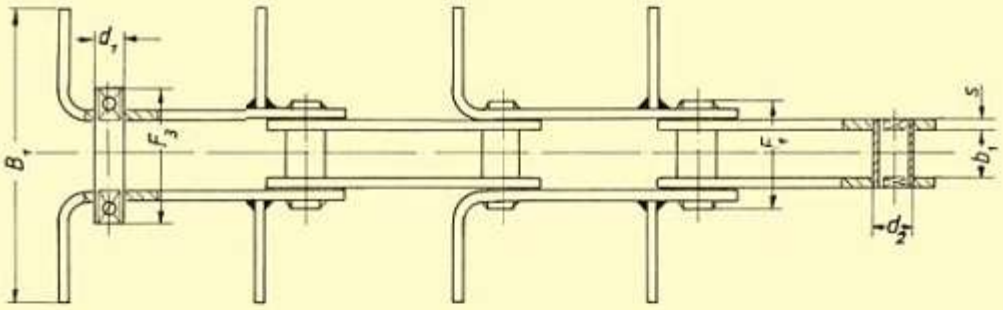
ISO Nr.	p mm	a_1 mm	a_2* mm	B mm max.	d mm max.	h_1 mm	h_2 mm	H* mm	W_1 mm max.	Winkelprofil	q kg/m O	q kg/m A	q kg/m B	q kg/m D	▲
M 160	100	●	62	30	14	70	45	45	100	50x50x6	9,70	11,2	19,5	20,4	0,14
	125	●		30							8,80	10,1	16,7	17,5	0,14
	160	50		80							8,15	9,12	14,3	14,9	0,37
	200	85		115							7,56	8,33	12,5	13,0	0,53
	250	145		175							7,22	7,82	11,1	11,5	0,80
	315	145		175							6,88	7,38	9,95	10,3	0,80
	400	145		175							6,57	6,95	9,00	9,25	0,80
	500	145		175							6,36	6,68	8,35	8,52	0,80
M 224	125	●	70	35	18	90	60	55	114	60x60x8	13,1	14,9	26,6	27,8	0,25
	160	●		35							11,9	13,3	22,4	23,4	0,25
	200	65		100							11,1	12,2	19,5	20,3	0,71
	250	125		160							10,3	11,2	17,1	17,7	1,13
	315	190		225							9,78	10,5	15,1	15,7	1,60
	400	190		225							9,30	9,86	13,5	13,9	1,60
	500	190		225							8,97	9,40	12,3	12,6	1,60
	630	190		225							8,67	9,02	11,3	11,6	1,60
M 315	160	●	80	35	18	100	65	65	125	70x70x9	18,3	20,5	34,4	36,1	0,27
	200	50		85							16,7	18,6	29,6	31,0	0,66
	250	100		135							15,6	17,1	25,9	27,1	1,04
	315	155		190							14,6	15,8	22,9	23,7	1,46
	400	155		190							13,9	14,8	20,3	21,2	1,46
	500	155		190							13,3	14,1	18,5	19,1	1,46
	630	155		190							12,8	13,4	16,9	17,4	1,46
M 400	200	●	90	40	18	120	80	75	140	70x70x9	24,2	27,5	46,0	47,8	0,37
	250	85		125							22,4	25,0	39,8	41,4	1,17
	315	155		195							20,9	22,9	34,7	36,0	1,82
	400	240		280							19,7	21,3	30,6	31,5	2,62
	500	240		280							18,7	20,1	27,5	28,2	2,62
	630	240		280							18,0	19,0	24,9	25,5	2,62
	800	240		280							17,4	18,2	22,8	23,3	2,62
M 630	250	●	115	50	24	140	90	90	190	100x100x12	34,8	39,6	62,8	65,7	0,69
	315	10(		150							32,2	35,4	54,3	56,5	2,67
	400	19(		240							30,3	32,7	47,8	49,5	4,27
	500	30(		350							28,4	30,4	42,4	43,8	6,22
	630	30(		350							27,1	28,7	38,3	39,3	6,22
	800	30(		350							26,0	27,2	34,7	35,6	6,22
	1000	30(		350							25,2	26,2	32,2	32,9	6,22
M 900	250	●	140	60	30	180	120	110	240	120x120x15	51,2	58,0	100	106	1,59
	315	6(		125							47,0	52,3	85,7	90,2	3,32
	400	15(		215							43,5	47,7	74,0	77,4	5,70
	500	24(		300							40,8	44,2	65,3	68,1	7,95
	630	24(		300							38,8	41,4	58,1	60,4	7,95
	800	24(		300							36,9	39,0	52,2	51,7	7,95
	1000	24(		300							35,5	37,2	47,7	49,1	7,95

* clearance q = chain weight ● = 1 hole only ▲ = weight of the attachment plate in kg/item. Inch pitches or other mm-pitches on request.

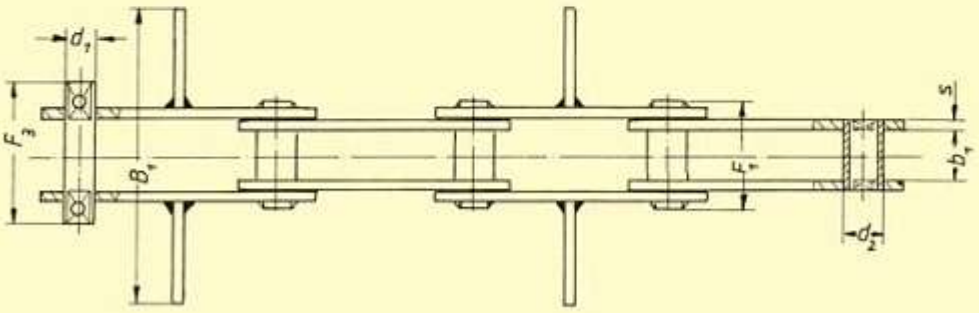
Permissible tensile force = $\frac{F_B}{7}$



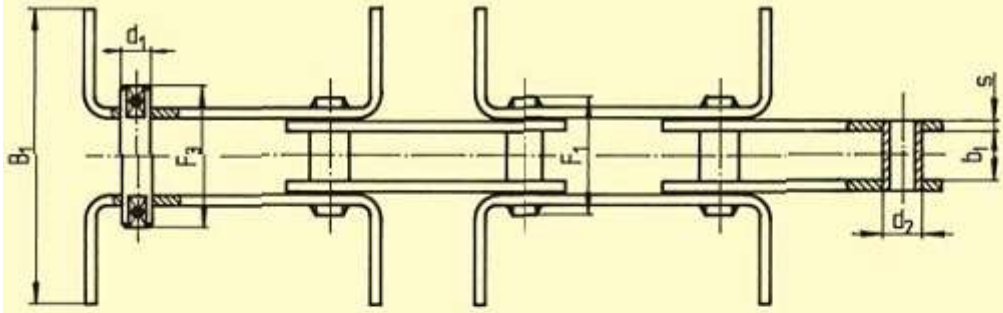
Type A: each outer link with bent scrapers



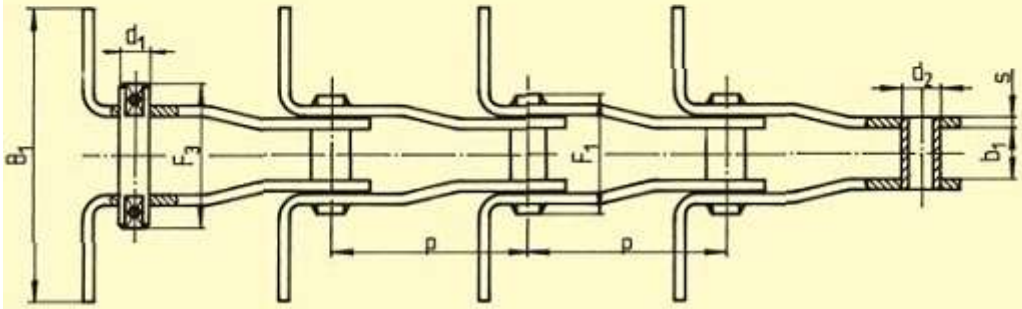
Type B: each outer link with bent and additionally welded scrapers



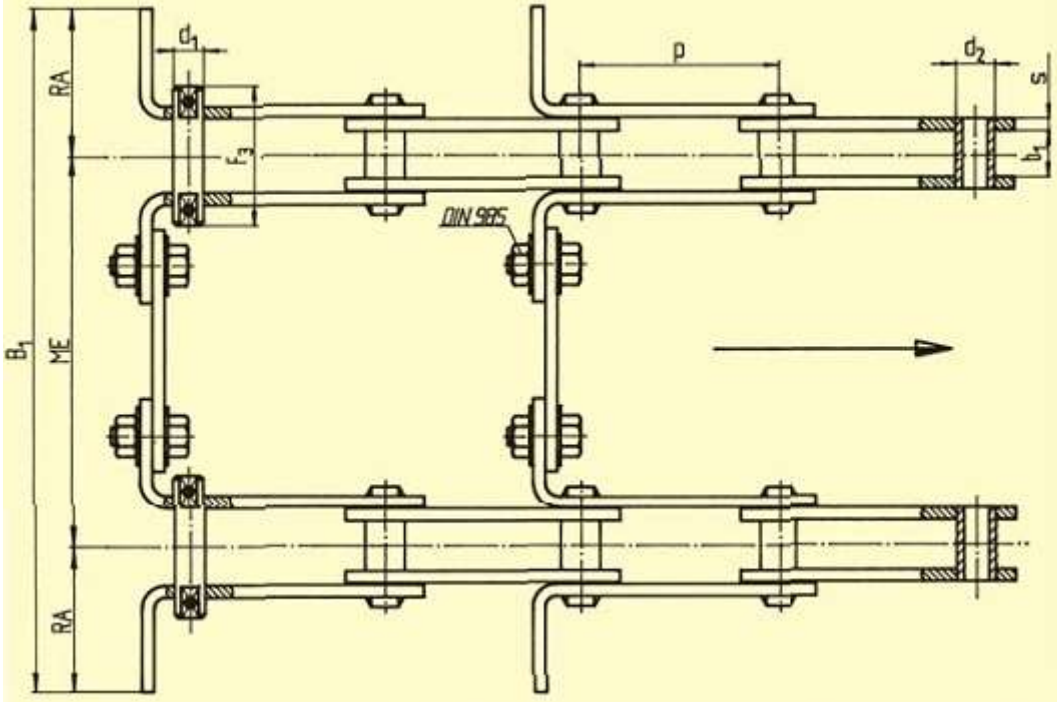
Type C: each outer link with scrapers welded to the centre



Type D: (U-shaped), each outer link with bent scrapers



Type E: with bent links, each member having bent scrapers



Type F: Double strand scraper conveyor chain, each outer link with bent scrapers and bolted centre studs

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ISO Nr.	p mm	b_1 mm min.	b_2 mm max.	d_1 mm	d_2 mm O	d_3 mm A*	e_1 mm	F_1 mm	F_3 mm	h mm	s mm	f cm^2	F_B** N min.	B_1 mm	ME mm	RA mm
M 20***	40 50 63 80 100 125 160	16	22	6	9	12,5	4	31,2	46,2	18	2,5	1,32	20000			
M 28***	50 63 80 100 125 160 200	18	25	7	10	15	4,5	35,2	40,2	20	3	1,75	28000			
M 40***	63 80 100 125 160 200 250	20	28	8,5	12,5	18	4,5	40,2	47,2	25	3,5	2,38	40000			
M 56	63 80 100 125 160 200 250	24	33	10	15	21	6	47,2	56,2	30	4	3,30	56000	please specify	please specify	please specify
M 80	80 100 125 160 200 250 315	28	39	12	18	25	7	55,2	64,2	35	5	4,68	80000			
M 112	80 100 125 160 200 250 315 400	32	45	15	21	30	7,5	64,2	75,2	40	6	6,75	112000			
M 160	100 125 160 200 250 315 400 500	37	52	18	25	36	8,5	73,3	88,3	50	7	9,36	160000			

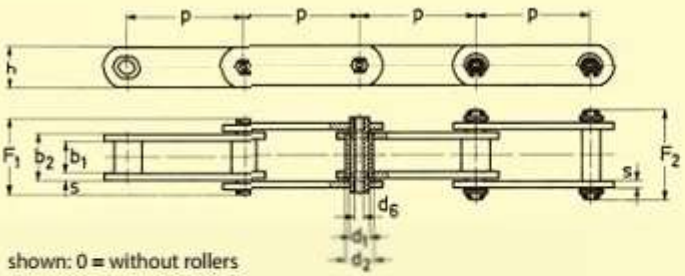
ISO Nr.	p mm	b_1 mm min.	b_2 mm max.	d_1 mm	d_2 mm O	d_3 mm A*	e_1 mm	F_1 mm	F_3 mm	h mm	s mm	f cm^2	F_B** N min.	B_1 mm	ME mm	RA mm
M 224	125	43	60	21	30	42	10	86,3	99,3	60	8	12,60	224000			
	160															
	200															
	250															
	315															
	400															
	500															
	630															
M 315	160	48	70	25	36	50	10,5	100,3	120,3	70	10	17,50	315000			
	200															
	250															
	315															
	400															
	500															
	630															
M 450	200	56	82	30	42	60	11,5	117,3	141,3	80	12	24,60	450000	please specify	please specify	please specify
	250															
	315															
	400															
	500															
	630															
	800															
M 630	250	66	96	36	50	70	14,5	136,3	159,3	100	14	34,56	630000			
	315															
	400															
	500															
	630															
	800															
	1000															
M 900	250	78	112	44	60	85	17	157,3	179,3	120	16	49,28	900000			
	315															
	400															
	500															
	630															
	800															
	1000															

* only on request ** double strand scraper conveyor chains = F_B x 2 *** Pins + bushings not flatted

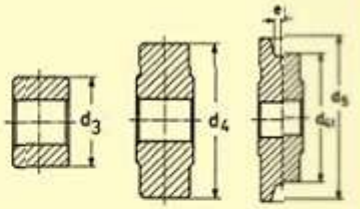
f = joint surface F_B = breaking load Inch pitches or other mm-pitches on request.

Hollow bearing pin type chain

rollers in accordance with DIN 8169

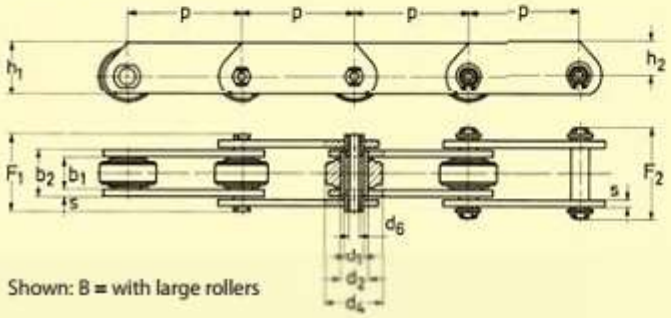


shown: 0 = without rollers



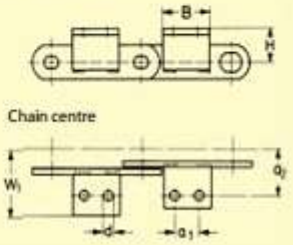
Type A: Type B: Type D:

Deep link roller chain



Shown: B = with large rollers

Chain links



ISO-Nr.	p mm	b_1 mm min.	b_2 mm max.	d_1 mm	d_2 mm O	d_3 mm A	d_4 mm B	d_4/d_5 mm D	d_6 mm min.	e_1 mm	F_1 mm	F_2 mm	h mm	s mm	f cm^2	F_{Bh} N min.
MC 28	63 80 100 125 160	20	28	13	17,5	25	36	36/42	8,2	4,5	40,6	40,6	25	3,5	3,64	28000
MC 56	80 100 125 160 200 250	24	33	15,5	21	30	50	50/60	10,2	6,0	46,6	46,6	35	4	5,11	56000
MC 112	100 125 160 200 250 315	32	45	22	29	42	70	70/85*	14,3	7,5	63,8	63,8	50	6	9,9	112000
MC 224	160 200 250 315	43	60	31	41	60	100	100/120*	20,3	10	82,9	82,9	70	8	18,6	224000

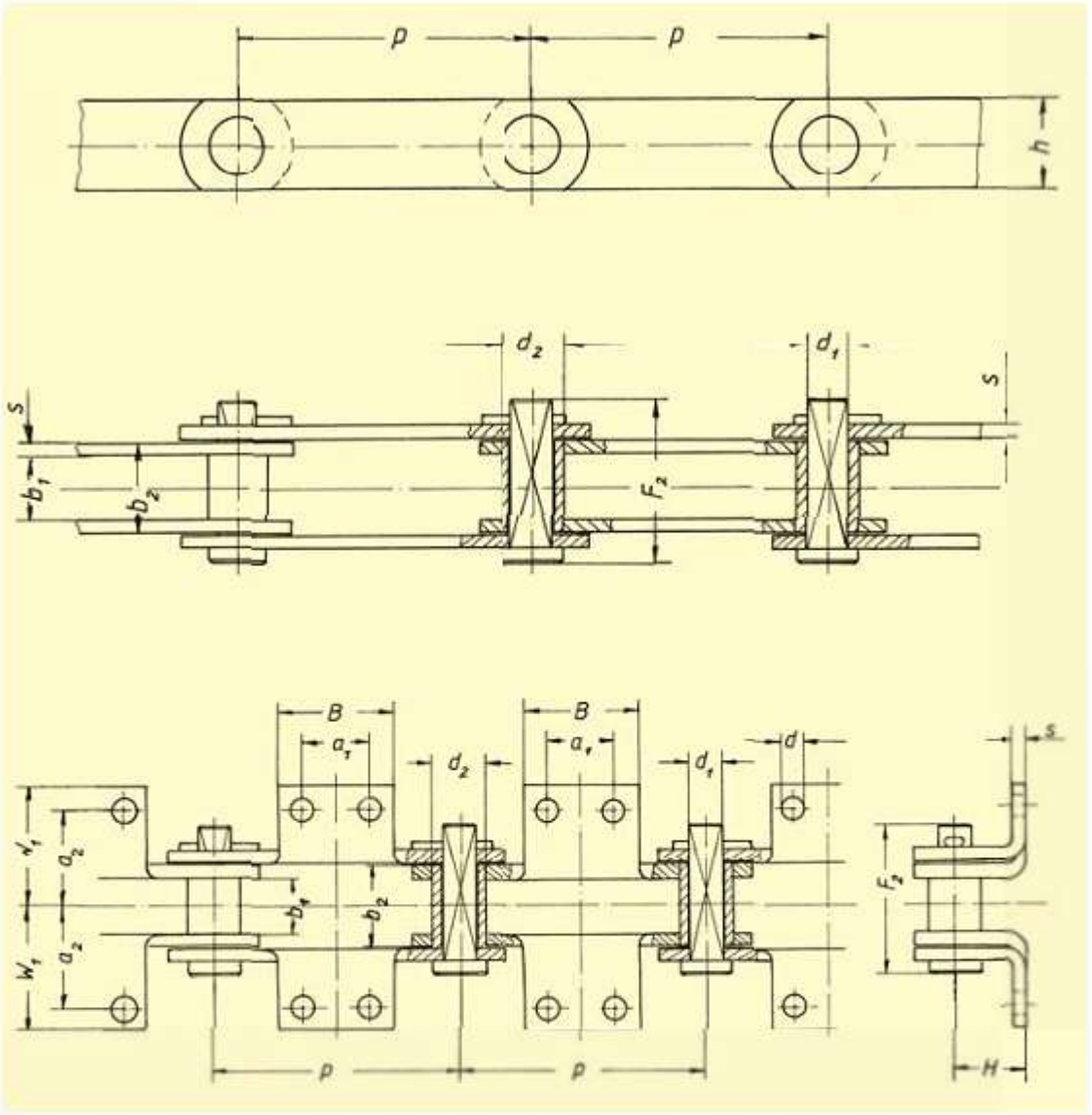
Inch pitches or other mm-pitches on request * GG 20, in steel upon request f = joint surface F_{Bh} = breaking load

Permissible tensile force: $\frac{F_{Bh}}{7}$

ISO Nr.	p mm	a_1 mm	a_2* mm	B mm max.	d mm max.	h_1 mm	h_2 mm	H* mm	W_1 mm max.	Winkelprofil	q kg/m O	q kg/m A	q kg/m B	q kg/m D	▲
MC 28	63	●	35	20	9	35	22,5	25	56	■	2,6	3,8	5,0	5,2	0,03
	80	20		40						30 x 30 x 3	2,4	3,3	4,3	4,4	0,06
	100	40		60							2,2	2,9	3,7	3,8	0,09
	125	65		85							2,0	2,6	3,2	3,3	0,12
	160	65		85							1,9	2,3	2,8	2,9	0,12
MC 56	80	●	44	25	11	50	32,5	35	76	■	3,5	4,9	5,7	6,0	0,06
	100	●		25						■	3,3	4,4	5,0	5,2	0,06
	125	50		75						40 x 40 x 4	3,1	4,0	4,5	4,6	0,18
	160	85		110							2,9	3,6	4,0	4,1	0,27
	200	125		150							2,7	3,3	3,6	3,7	0,36
	250	125		150							2,6	3,1	3,3	3,4	0,36
MC 112	100	●	55	30	14	70	45	45	96	50 x 50 x 6	8,5	9,9	12,9	13,5	0,13
	125	●		30							7,6	8,9	11,3	11,7	0,13
	160	50		80							6,9	8,0	9,9	10,2	0,36
	200	85		115							6,5	7,3	8,8	9,1	0,51
	250	145		175							6,1	6,8	8,0	8,2	0,78
	315	145		175							5,3	5,8	6,8	6,9	0,78
MC 224	160	●	70	35	18	100	65	65	110	60 x 60 x 8	13,6	16,4	27,0	28,7	0,25
	200	50		85							12,6	13,5	22,0	23,4	0,60
	250	100		135							11,9	12,5	19,4	20,5	0,96
	315	155		190							11,2	11,8	17,2	18,0	1,35

* clearance q = chain weight ● = 1 hole only ■ = bent attachment plate ▲ = weight of the attachment plate in kg/item.

Permissible tensile force $= \frac{F_{Bh}}{7}$



DIN Nr.	p mm	b_1 mm ± 1,5	b_2 mm	d mm max.	d_2 mm max.	F_2 mm max.	h mm	s mm	a_1 mm	a_2 mm	B mm max.	d mm min.	H mm	W_1 mm max.	f cm²	F_B N	q* kg/m
F 200	160	30	46,5	20	32	92	50	8	50	62	80	11	50	78	9,3	200000	10
(F 315)	160	45	63,5	26	40	114	65	9	47	74	80	14	60	97,5	16,5	315000	15,6
F 400	160	45	65,5	26	40	118	70	10	47	74	80	14	60	97,5	17	400000	19
F 500	160	60	80,5	26	40	140	80	10	40	85	80	18	80	105	20,9	500000	26
F 800	160	60	84,5	30	44	144	90	12	40	85	80	18	90	105	25,3	800000	37

Do not use the chains shown in brackets for new projects * weight without chain links f = joint surface
F_B = breaking load q = weight

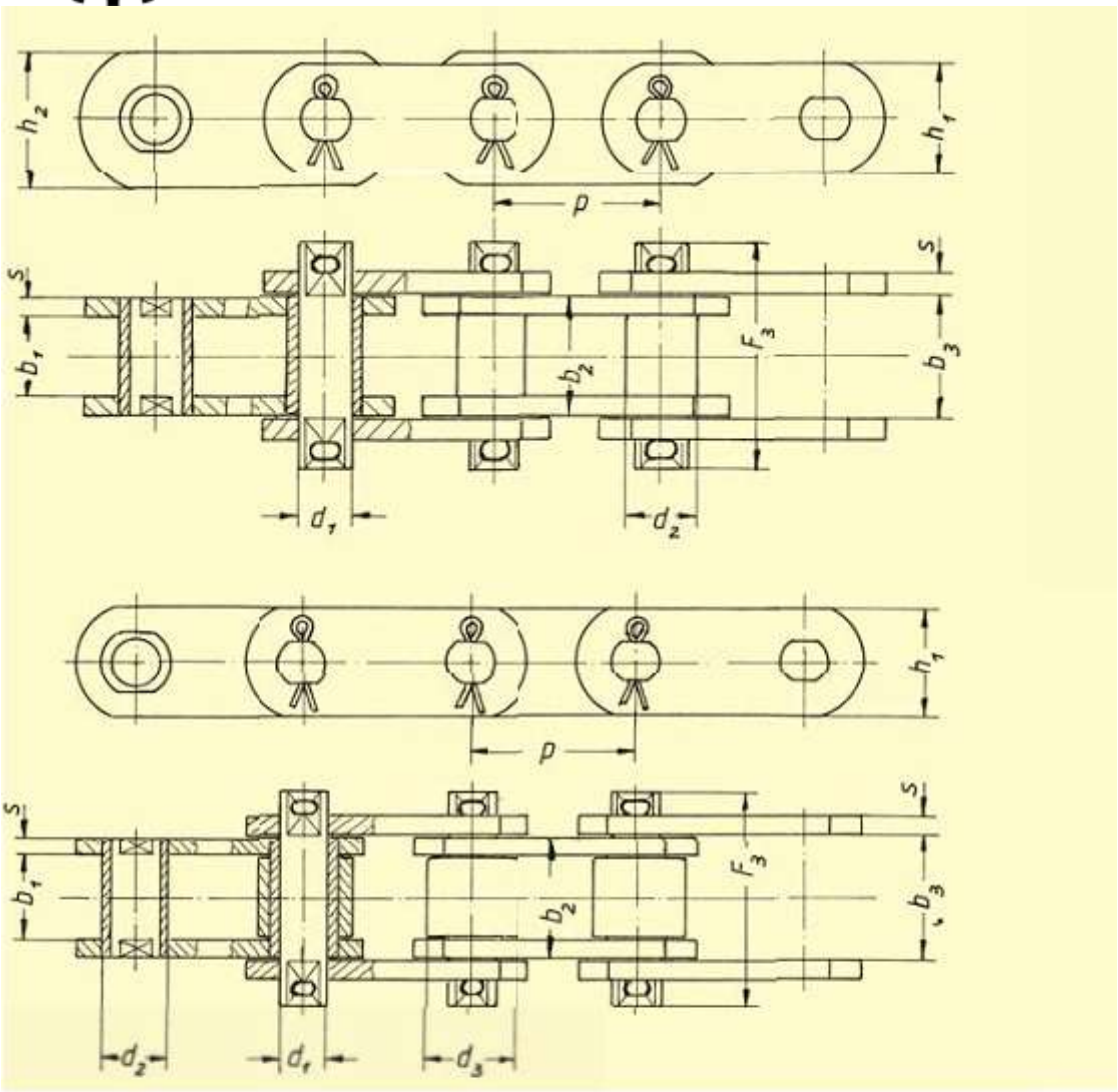


Plate-link chains for chain conveyors in accordance with DIN 8176

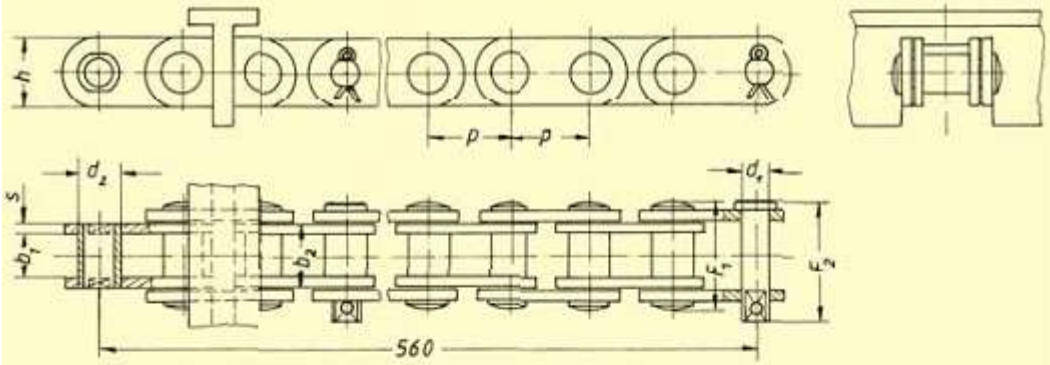
Model	p mm ± 1	b_1 mm ± 1,5	b_2 mm max.	b_3 mm min.	d_1 mm max.	d_2 mm max.	d_3 mm max.	F_3 mm	h_1 mm	h_2 mm	s mm	f cm²	F_B N min.	q kg/m
1	100	50	70,5	71	22	32	50	120	60	–	10	15,4	200000	24
2	120	60	84,5	85	36	50	–	145	80	80	12	30,2	400000	37
2	160	80	110,5	111	42	60	–	180	110	90	15	46,4	630000	55
2	160	80	110,5	111	42	60	–	180	100	100	15	46,4	630000	55

Plate-link chains for chain conveyors in accordance with DIN BERG 2251

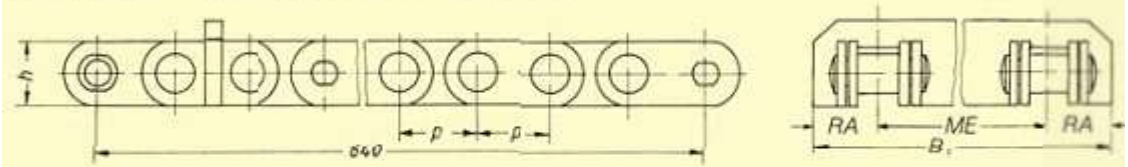
Model	p mm ± 1	b_1 mm ± 1,5	b_2 mm max.	b_3 mm min.	d_1 mm max.	d_2 mm max.	d_3 mm max.	F_3 mm	h_1 mm	s mm	f cm²	F_B N min.	q kg/m
1	100	50	74,5	75	24	32	50	127	60	12	17,76	250000	26
1	120	60	90,5	91	34	44	65	153	80	15	30,6	450000	45,6

f = joint surface F_B = breaking load q = weight

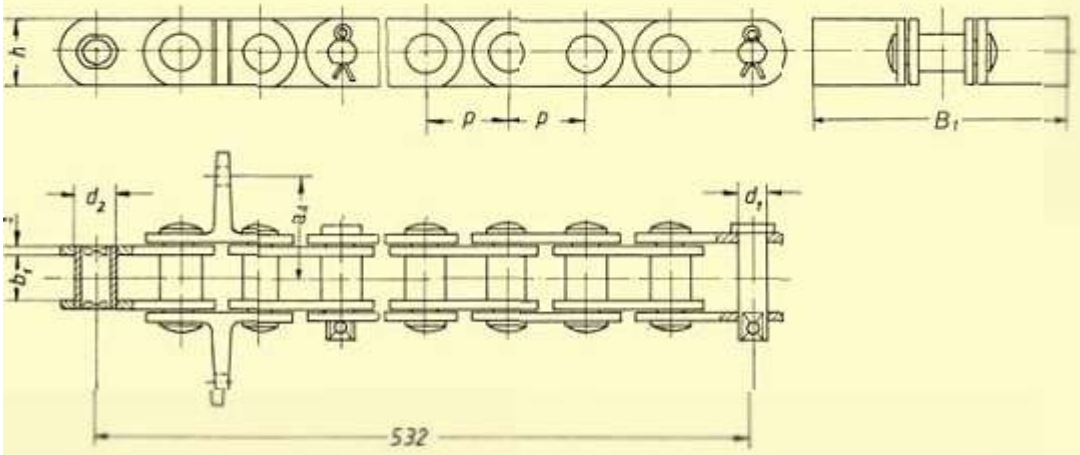
A = simple scraper chain with scrapers spaced at 560 mm



B = duplex scraper chain with scrapers spaced at 640 mm



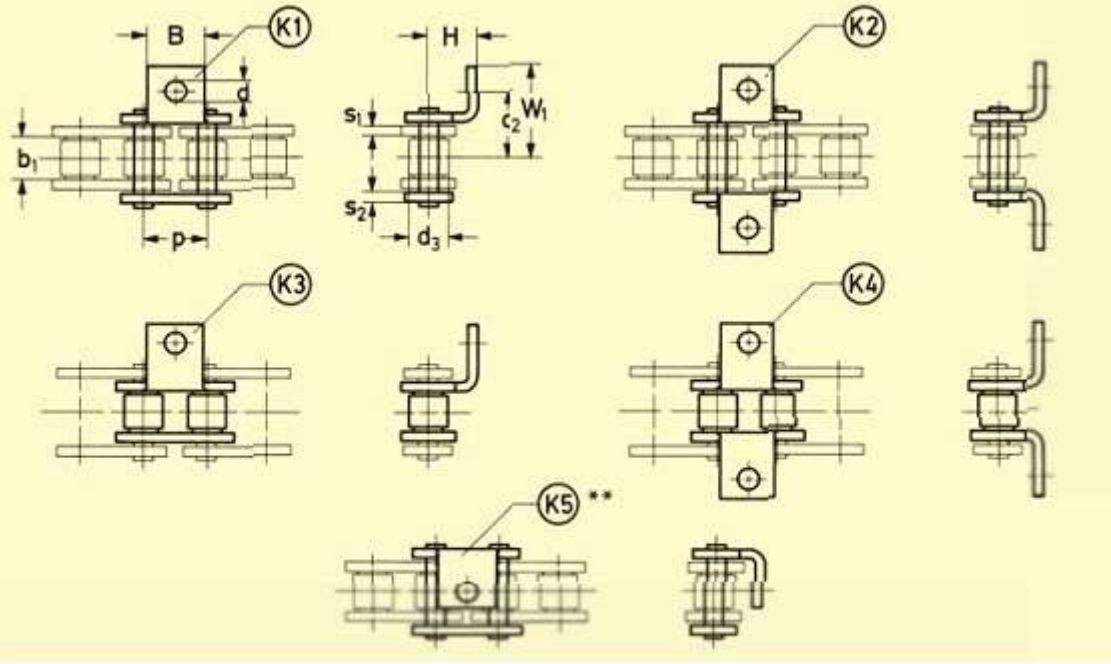
C = simple scraper chain with scrapers spaced at 532 mm



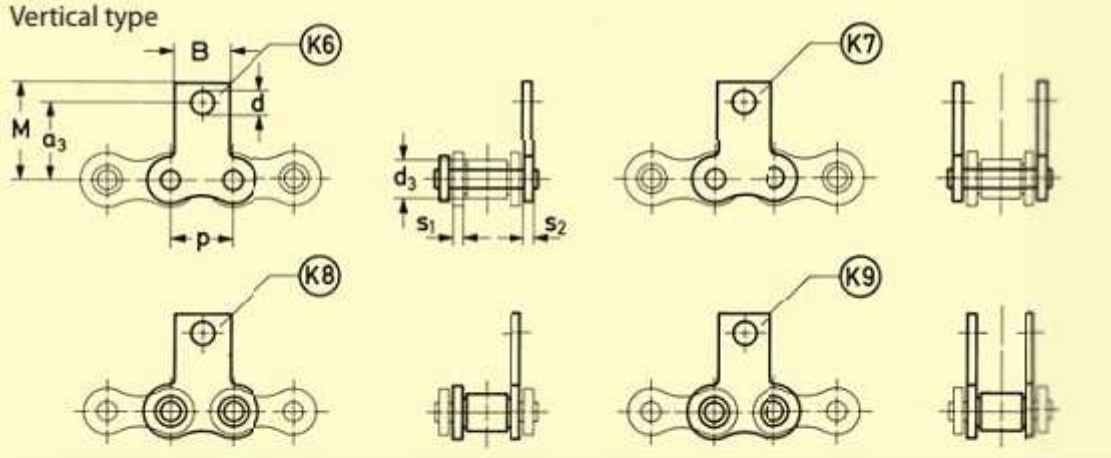
DIN Nr.	p mm	b_1 mm min.	b_2 mm max.	d_1 mm	d_2 mm	F_1 mm	F_2 mm	h mm	s mm	a_4 mm	f cm^2	F_B N min.	q kg	B_1 mm max.	ME mm	RA mm max.
A	40	25	36	4	20	54	61	35	5	48	4,9	63000	3,56	118	–	59
B	40	25	36	4	20	54	61	35	5	48	4,9	125000	8,19	*	*	59
C	66,5	25	38	6	24	57,8	66,3	35	6	55	5,92	100000	3,9	160	–	80

* please specify f = joint surface F_B - breaking load q = unit weight

Bent type



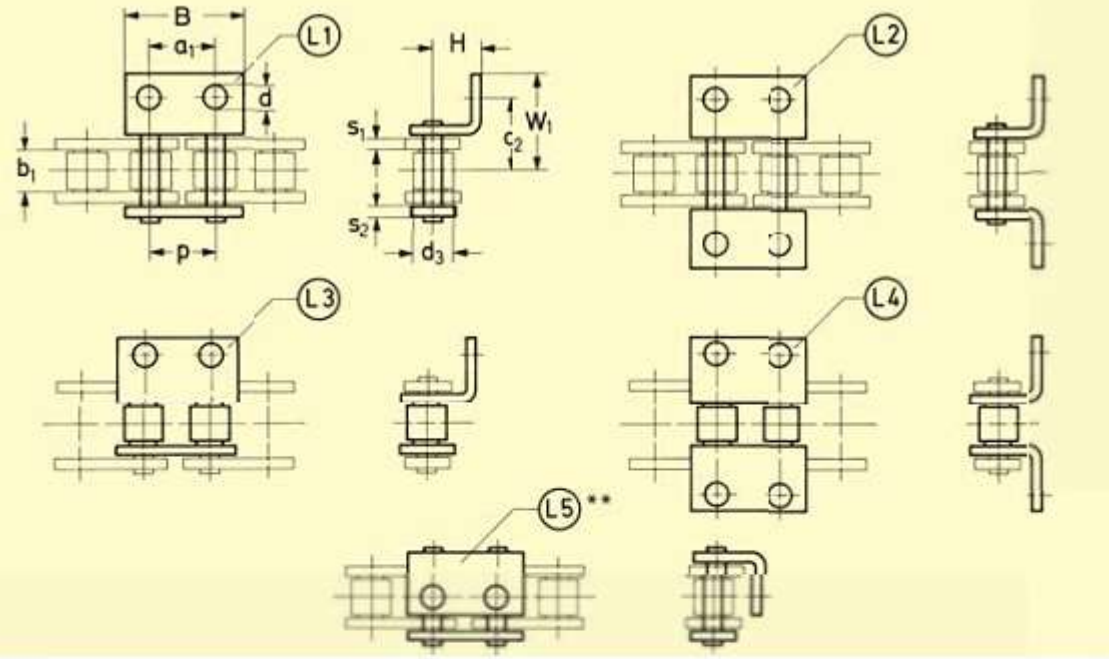
Vertical type



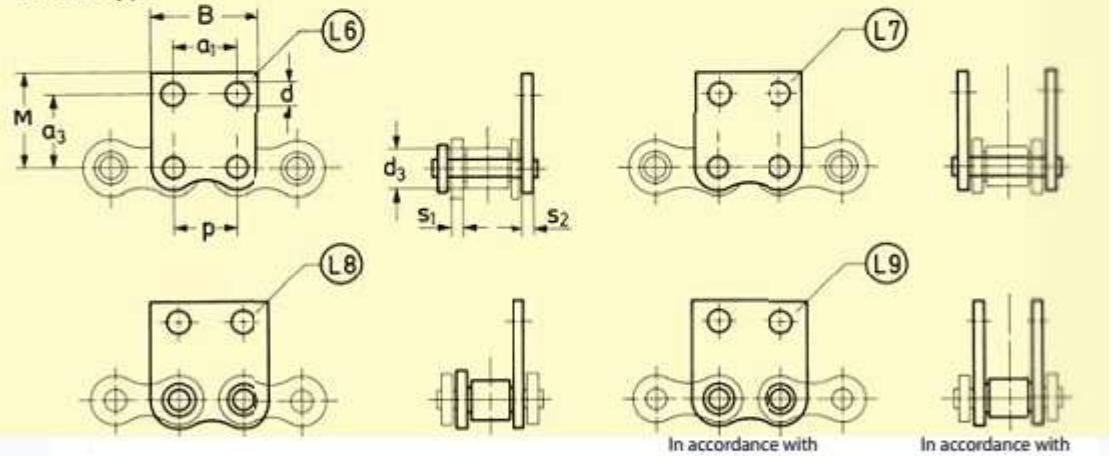
ISO Nr.	p mm	b_1 mm min.	d_3 mm max.	F_B N min.	a_3 mm	B mm max.	M mm max.	s_1 mm	c_2 mm	In accordance with manufacturers standard specifications: a_2* mm	d mm max.	H* mm	W_1 mm max.	In accordance with ISO standards: a_2* mm	d mm max.	H* mm	W_1 mm max.
08 B	12,7	7,75	8,51	18200	14,3	11	19,2	1,6	1,6	13,0	4,5	9,0	17,9	12,7	4,5	8,9	18,2
10 B	15,875	9,65	10,16	22500	15,5	14	24,6	1,6	1,6	15,0	4,5	10,5	22,1	15,9	5,3	10,3	22,3
12 B	19,05	11,68	12,07	30500	20,0	18	30,1	1,8	1,8	18,0	6,6	12,0	27,7	19,05	6,6	13,5	26,2
16 B	25,4	17,02	15,88	71500	31,1	24	39,1	4,0	3,0	29,0	9,0	18,0	37,8	25,4	6,6	15,9	39,7
20 B	31,75	19,56	19,05	100000	35,0	26	48,7	4,5	3,5	34,0	9,6	23,5	44,0	31,75	8,4	19,8	47,8
24 B	38,1	25,40	25,40	180000	45,0	30	55,6	5,5	5,0	38,0	10	25,0	59,7	38,1	10,5	26,7	58,0
28 B	44,45	30,99	27,94	227000	55,0	42	68,5	7,0	6,0	53,5	12	32,0	73,5	44,45	13,1	28,6	76,0
32 B	50,8	30,99	29,21	270000	63,5	50	77,7	7,0	6,0	55,0	14	37,5	75,6	50,8	13,1	31,8	81,3
40 B	63,5	38,10	39,37	395000	65,0	60	86,0	8,0	8,0	63,5	17	40,0	90,0	–	–	–	–
48 B	76,2	45,72	48,26	330000	68,0	75	95,0	12	10	76,2	17	50,0	105	–	–	–	–

* clearance ** the hole is positioned slightly off the chains centre F_B = breaking load

Bent type



Vertical type



					In accordance with manufacturers standard specifications										In accordance with ISO standards			
ISO Nr.	p mm	b_1 mm min.	d_3 mm max.	F_B N min.	a_1 mm	a_3 mm	B mm max.	M mm max.	s_1 mm	s_2 mm	a_2* mm	d mm max.	H* mm	W_1 mm max.	a_2* mm	d mm max.	H* mm	W_1 mm max.
08 B	12,7	7,75	8,51	18200	12,7	14,3	24,7	19,2	1,6	1,6	13,0	4,5	9,0	17,9	12,7	4,5	8,9	18,2
10 B	15,875	9,65	10,16	22500	15,875	15,5	30,2	24,6	1,6	1,6	15,0	4,5	10,5	22,1	15,9	5,3	10,3	22,3
12 B	19,05	11,68	12,07	30500	19,05	20,0	35,6	30,1	1,8	1,8	18,0	6,6	12,0	27,7	19,05	6,6	13,5	26,2
16 B	25,4	17,02	15,88	71500	25,4	31,1	47,0	39,1	4,0	3,0	29,0	9,0	18,0	37,8	25,4	6,6	15,9	39,7
20 B	31,75	19,56	19,05	100000	31,75	35,0	60,0	45,0	4,5	3,5	34,0	9,6	23,5	44,0	31,75	8,4	19,8	47,8
24 B	38,1	25,40	25,40	180000	38,1	45,0	71,6	55,6	5,5	5,0	38,0	10	25,0	59,7	38,1	10,5	26,7	58,0
28 B	44,45	30,99	27,94	227000	44,45	55,0	83,0	68,5	7,0	6,0	53,5	12	32,0	73,5	44,45	13,1	28,6	76,0
32 B	50,8	30,99	29,21	270000	50,8	63,5	92,0	77,7	7,0	6,0	55,0	14	37,5	75,6	50,8	13,1	31,8	81,3
40 B	63,5	38,10	39,27	395000	63,5	65,0	117,0	86,0	8,0	8,0	63,5	17	40,0	90,0	–	–	–	–
48 B	76,2	45,72	48,26	630000	76,2	68,0	140,0	95,0	12	10	76,2	17	50,0	105	–	–	–	–

* clearance ** the hole is positioned slightly off the chains centre F_B = breaking load

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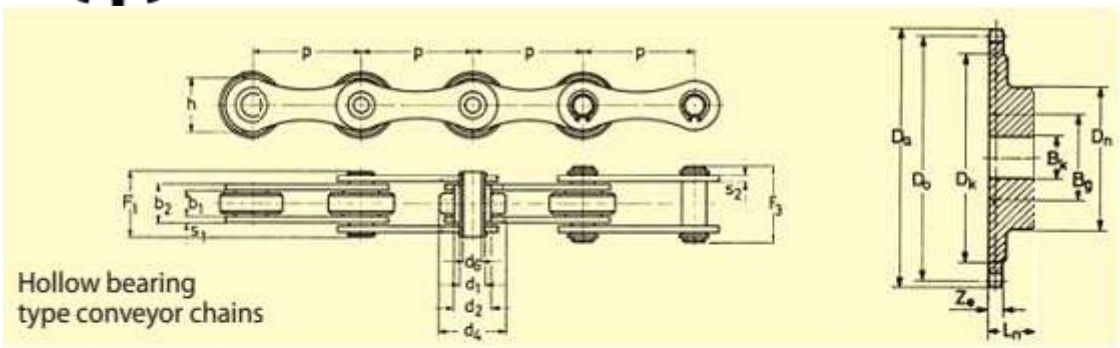
Hollow bearing type conveyor chains

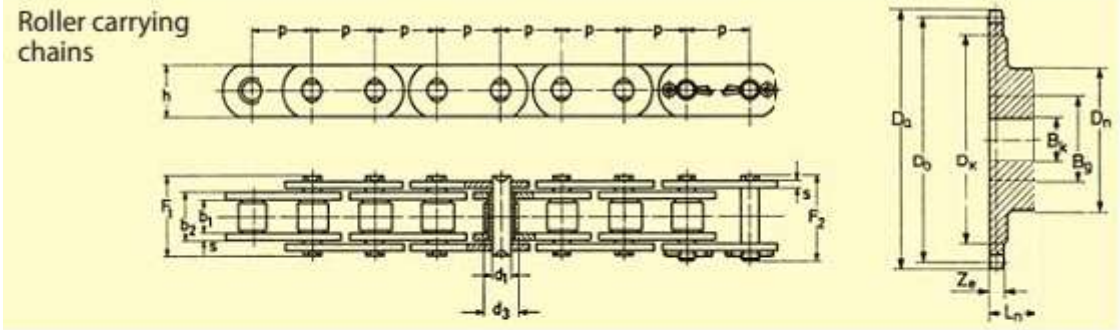


p mm	b1 mm min.	b2 mm	d1 mm	d2 mm	d4 mm	d6 mm min.	F1 mn	F3 mm	h mm	s1 mm	s2 mm	f cm²	FBh N min.	q
50	10	16,8	11,6	16	30	8	266	30	25,4	3	3	1,95	50000	2,25
50,8**													32000	2,17
50,8													60000	2,17
50,8													60000	2,17
100													50000	1,50

p mm	z	Do mm	Da mm	Dk mm	ze mm	Bk mm	Bg* mm	Dn mm	Ln mm	q
50,8	12	196,28	210	155	8,5	30	70	120	50	4,7
	18	292,55	305	250			70	120	70	8,7
	28	453,72	467	420			90	150	70	13,7
100	9	292,55	305	250	8,5	30	70	120	70	8,7
	12	386,37	400	340			80	130		11,7
	18	575,88	590	535			90	150		20,5

* dimension Bg is an approximate value on request: steel C 45 welded or GG 20. ** 4301 stainless F_{Bh} = breaking load for hollow bearing type conveyor chain Wheel material: Steel St 50/60 welded

Roller carrying chains

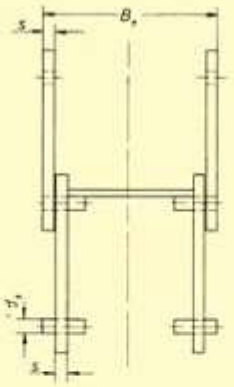


p mm	b1 mm min.	b2 mm max.	d1 mm	d3 mm max.	F1 mm	F2 mm	h mm	s mm	f cm²	FB N min.	q
50*	25,4	37,92	14,63	25,4	53,4	60,1	40	5	5,56	120000	7,93
100											5,41

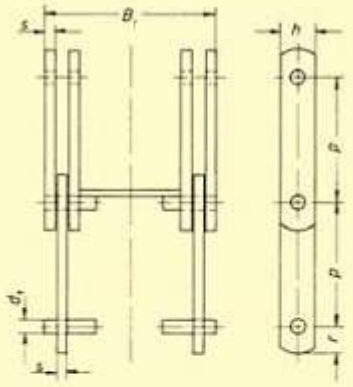
* The chain is also available with interlocking link plates or round head link plates.

p mm	z	Do mm	Da mm	Dk mm	ze mm	Bk mm	Bg* mm	Dn mm	Ln mm	q
50	12	183,19	206	140	23	30	70	120	70	8,6
	18	287,94	300	235			75	130		13,2
	28	446,57	460	390			80	140		19,4

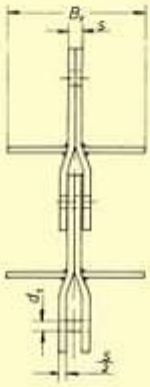
* dimension Bg is an approximate value f = joint surface F_B = breaking load F_{Bh} = breaking load for hollow bearing type conveyor chain q = weight kg/item. z = number of teeth Chain wheels for chains with p = 100 mm on request Material of the wheels: Steel St 50/60 welded, on request: C 45 welded or GG 20.



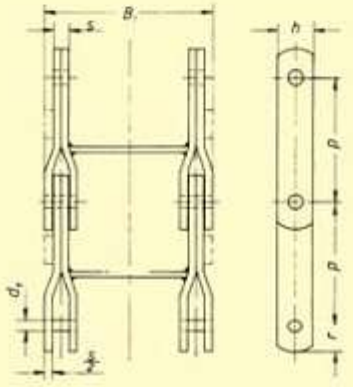
Link-plate chain A



Block chain B



Fork link chain C
Single-strand chain

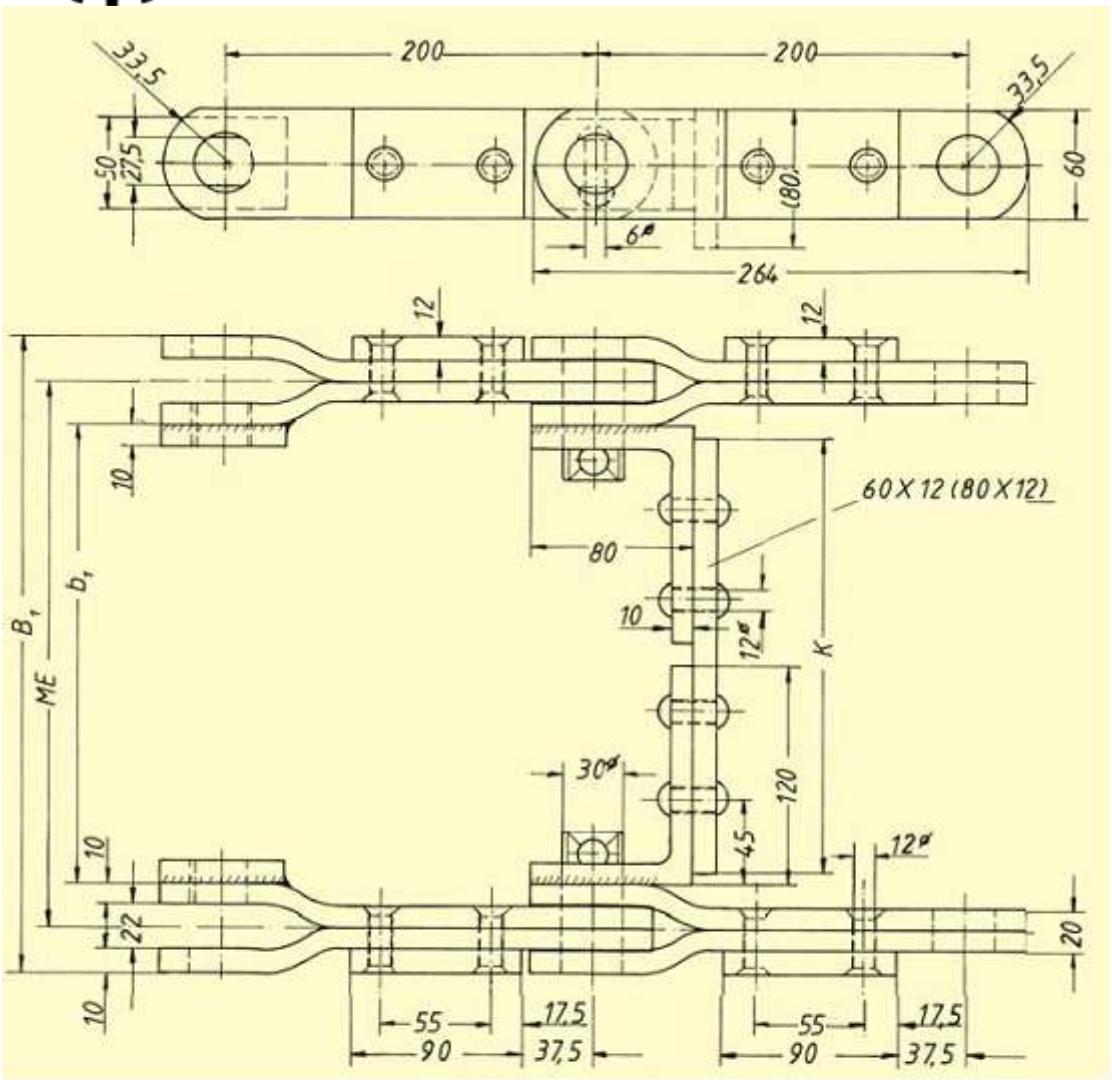


Fork link chain D
Double-strand chain without filler piece

Fork link chain E
Double-strand chain with filler piece
(dashed lines)

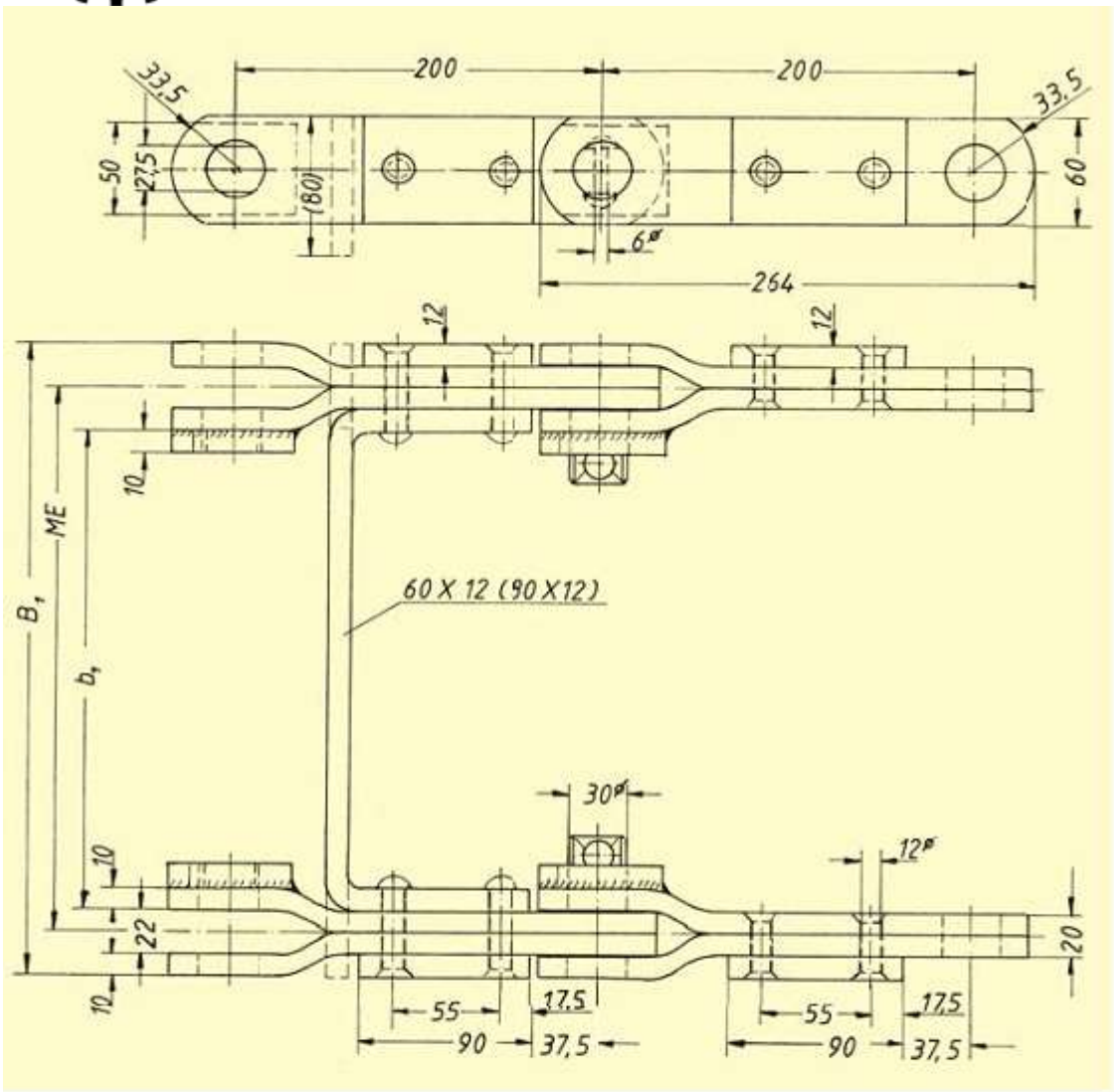
h x s															F_B N	
Link-plate chains A mm	Block chains B mm	Fork link chains C D E mm	d_1 mm	r mm	p mm	B_1 mm									C	A B D E
–	–	35 x 12	20	21	125	125	160	200							85000	–
					160		160	200	250	315						
–	–	35 x 6	20	21	160		160	200	250	315					112000	224000
40 x 20	40 x 20	40 x 20	24	24	200			200	250	315	400	500	630	800	160000	315000
50 x 25	50 x 25	50 x 25	30	30	200			200	250	315	400	500	630	800 1000	250000	500000
					250				250	315	400					
–	60 x 30	60 x 30	36	36	250						400	500	630	800 1000	–	600000
–	70 x 40	70 x 40	45	42	250						400	500	630	800 1000	–	710000

F_B = breaking load



Scraper width	B_1 mm	ME mm	b_1 mm	K mm	Weight per double joint kg/item
400	384	340	298	285	15
500	484	440	398	385	15,5
600	584	540	498	485	16
630	614	570	528	515	16,2
800	784	740	698	685	17,2
1000	984	940	898	885	18,5

When ordering, please indicate the quantity of double joints with scrapers and the number of double joints with abrader.
If required, the drag conveyor double joints can be welded on all sides.



Scraper width	B_1 mm	ME mm	b_1 mm	Weight per double joint kg/item
400	384	340	298	15,0
500	484	440	398	15,5
600	584	540	498	16,0
630	614	570	528	16,2
800	784	740	698	17,2
1000	984	940	898	18,5

When ordering, please indicate the quantity of double joints with scrapers and the number of double joints with abrader.
If required, the drag conveyor double joints can be welded on all sides.

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- a – distance between axles
- a_1 – distance of attachment holes
- a_2 – centre chain – centre hole of angle
- a_3 – centre chain – centre hole of attachment
- a_4 – centre chain – centre hole of scraper
- b_1 – inner width
- b_2 – width of inner link
- b_3 – inner width outer link
- d – attachment hole - Ø
- d_1 – pin - Ø
- d_2 – bush - Ø
- d_3 – roller - Ø
- d_4 – idler roller - Ø
- d_5 – flanged roller - Ø
- d_6 – inner hollow pin - Ø
- d_7 – socket of pin or bush - Ø
- e – centre distance of multiplex chain
- e_1 – distance
- f – bearing area
- h – height of link plate
- h_1 – height of special link plate
- h_2 – height of special link plate
- h_k – chain slack
- i – transmission ratio
- k_1 – correction value conveyor chain
- k_2 – correction value chain drive coupling
- n – number of rotation
- p – pitch
- p_1 – special pitch
- p_r – calculated pressure on bearing area
- p_{zul} – allowable pressure on bearing area
- q – weight
- q_F – chain weight of conveyor
- r – radius
- s – link plate thickness
- s_1 – inner link plate thickness
- s_2 – outer link plate thickness
- v – speed of chain
- x – number of link plates
- y – number of teeth factor
- z – number of teeth
- z_1 – number of teeth small sprocket
- z_2 – number of teeth big sprocket
- z_d – width of tooth (triplex)
- z_e – width of tooth (simplex)
- z_z – width of tooth (duplex)
- A_1 – distance of axles for conveyor
- A_2 – distance of buckets
- B – length of angle
- B_1 – width of scrapers
- B_F – width of conveyor fluting
- B_g – maximum bore diameter
- B_k – minimum bore diameter
- C – material friction coefficient
- D – diameter of attachment hole of special link plates
- D_1 – diameter of through bore hole
- D_a – outer - Ø
- D_f – root circle - Ø
- D_g – clutch bell housing - Ø
- D_k – collar - Ø
- D_l – Ø – of applied chain
- D_n – hub - Ø
- D_o – pitch circle - Ø
- E – distance of coupling
- E_1 – distance
- E_2 – distance
- F – chain tension
- F_1 – dimension across riveted pin
- F_2 – dimension across one side removable pin
- F_3 – dimension across both side removable pin
- F_4 – dimension across extended pin
- F_B – breaking load
- F_{Bh} – breaking load for hollow pin chain
- F_F – conveyor tension
- F_P – test load
- F_S – tension load
- H – centre chain to top side of angle
- H_F – heigth of conveyor fluting
- I – capacity of buckets
- K – length of scraper
- K_1-K_9 – indication of angle and attachment
- L_1-L_9 – indication of angle and attachment
- L_a – linear dimension (outer)
- L_g – length of housing
- L_i – linear dimension (inner)
- L_k – coupling length
- L_n – length of hube
- M – centre chain – top edge attachment
- M_E – distance centre chain
- M_d – engine torque
- N – Newton
- N_1 – distance
- N_2 – distance
- N_3 – distance
- P – engine output
- P_k – corrected engine output
- R_A – centre chain – outer edge scraper
- Q – weigth of transported material
- Q_L – conveyor capacity (continuous)
- Q_U – conveyor capacity (interuppted)
- T – dimension of beam
- T_1 – dimension of beam
- W_1 – centre chain – outer edge of angle
- α – angle of elevation
- β_1 – filling level
- β_2 – filling level
- γ_F – weight of bulk material
- γ – safety factor
- μ – friction factor