Link-Belt®

Our achievement advances

Engineered chain-Technology

Experience capability, Experience Rexnord.

www.link-belt.eu

A BRAND OF REXNORD

Engineered chains

High- performance in Perfection!

Strong Arguments Proved in Practice

Use the Rexnord Competence

Moving heavy loads requires conveyor chains, which are based on the combination of know-how and quality.
You can rely on our decisive leadership on the world market for economical solutions with the most modern of conveyor engineering. From a single product up to integrated system solutions Rexnord offers you as well as standard chains, chains with customer-specific design, and also special chains for the highest of demands. You can rely on our high quality products, application expertise and absolute dependability.

C	-	Conveyor Chains
C 1.1	-	FV with solid pins, DIN 8165
C 1.2	-	FVT with solid pins, DIN 8165
C 1.3	-	FV with K-Attachments
C 2.1	-	M with solid pins, DIN 8167 / ISO 1977
C 2.2	-	MT with solid pins, DIN 8167 / ISO 1977
C 2.3	-	M with K-Attachments
C 2.4	-	MC with hollow pins, DIN 8168, ISO 1977
C 3.1	-	M / FV with Front Attachments
C 4.1	-	Engineered Class Chain 2,609" (81X, C1288)

Engineered Chains

C 1.1 - Type FV with solid pins, DIN 8165

Performance Data

DIN/ ISO	F_B (kN) min	F_W (kN) min	A (cm^2)	p_{zul} (N/cm^2)
FV 40	40	6,7	2,45	2680
FV 63	63	10,5	3,66	2840
FV 90	90	15	4,97	3000
FV 112	112	18,7	6,8	2750
FV 140	140	23,4	8,55	2720
FV 180	180	30	12,3	2440
FV 250	250	41,7	18,7	2230
FV 315	315	52,5	25,8	2040
FV 400	400	66,7	30,7	2170

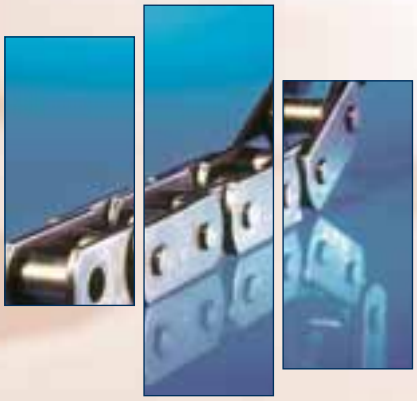
F_B: Breaking Load; F_W: Working Load

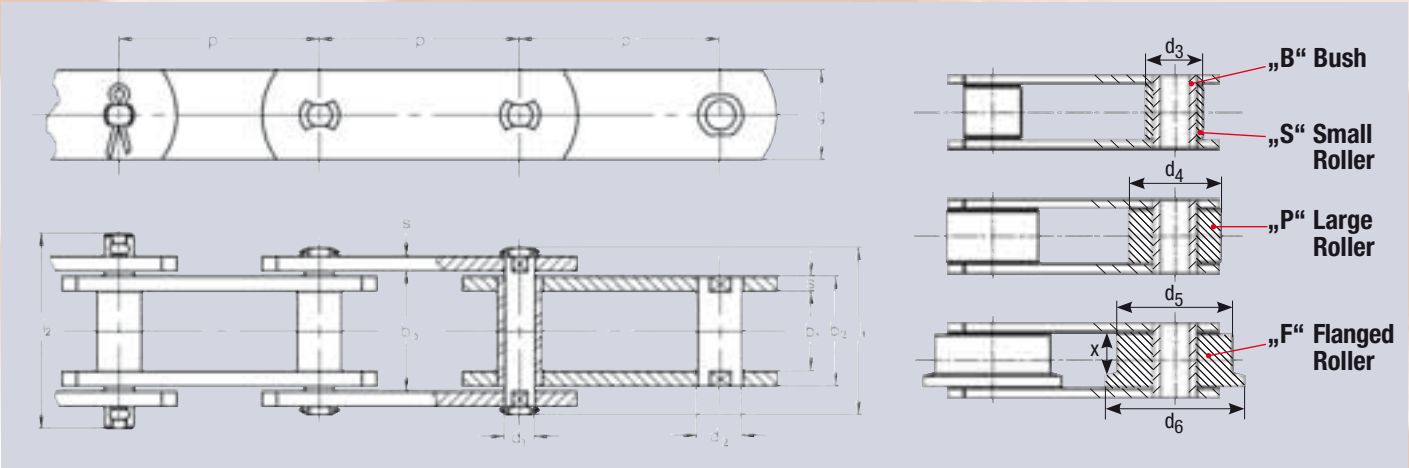
Material

Sidebars: Carbon Steel
Pins: Carbon Steel, carburised
Bushes: Carbon Steel, carburised
Rollers: Carbon Steel, carburised

Features

- Bushes/Pins flatted
  Safety from turning!
- Solid Bushes
- Plates Shot Peened





Dimension

DIN	p								b_1 min	b_2 max	b_3 min	d_1 max	d_2 max	d_3	d_4	d_5	d_6	x	l_1 max	l_2 max	g	s
FV 40	40	50	63	80	100	125	160	-	18	24,5	25,0	10	15	20	32	40	48	12,5	37	44	26	3
FV 63	50	63	80	100*	125*	160	200	-	22	30,5	31,0	12	18	26	40	50	60	15,5	46	55	30	4
FV 90	50	63	80	100*	125*	160	200	250	25	35,5	36.0	14	20	30	48	63	73	18,5	53	62	35	5
FV 112	80	100*	125*	160*	200	250	315	-	30	42,5	43,0	16	22	32	55	72	87	22,0	63	72	40	6
FV 140	80	100*	125*	160*	200	250	315	400	35	47,5	48,0	18	26	36	60	80	95	26,0	68	80	45	6
FV 180	-	100*	125*	160*	200	250	315	400	45	61,5	62,5	20	30	42	70	100	120	35,0	86	100	50	8
FV 250	-	-	125	160	200	250	315	400	55	72,0	73,0	26	36	50	80	125	145	42,0	98	114	60	8
FV 315	-	-	125	160	200	250	315	400	65	86,0	87,0	30	42	60	90	140	170	50,0	117	133	70	10
FV 400	-	-	-	160	200	250	315	400	70	96,0	97,0	32	44	60	100	150	185	54,0	131	151	70	12

* : available within 4 weeks

Engineered Chains

C 1.2 - Type FVT with solid pins, DIN 8165

Performance Data

DIN/ ISO	F_B (kN) min	F_W (kN) min	A (cm^2)	p_{zul} (N/cm^2)
FVT 40	40	6,7	2,45	2680
FVT 63	63	10,5	3,66	2840
FVT 90	90	15	4,97	3000
FVT 112	112	18,7	6,8	2750
FVT 140	140	23,4	8,55	2720
FVT 180	180	30	12,3	2440
FVT 250	250	41,7	18,7	2230
FVT 315	315	52,5	25,8	2040
FVT 400	400	66,7	30,7	2170

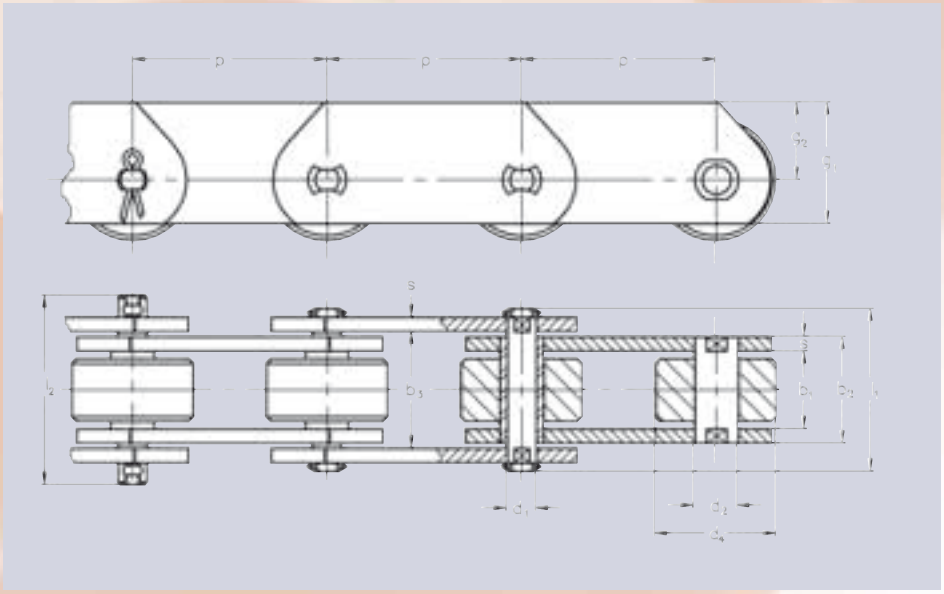
F_B: Breaking Load; F_W: Working Load

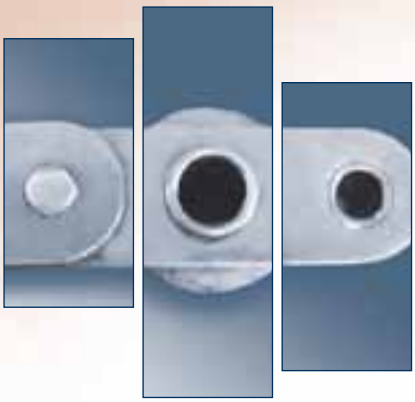
Material

Sidebars: Carbon Steel
Pins: Carbon Steel, carburised
Bushes: Carbon Steel, carburised
Rollers: Carbon Steel, carburised

Features

- Bushes/Pins flatted
  Safety from turning!
- Solid Bushes
- Plates Shot Peened





Dimension

DIN	p								b_1 min	b_2 max	b_3 min	d_1 max	d_2	d_4	g_1	g_2	s	l_1 max	l_2 max
FVT 40	40	50	63	80	100	125	160	-	18	24,5	25,0	10	15	32	35	22,0	3	37	44
FVT 63	50	63	80	100	125	160	200	-	22	30,5	31,0	12	18	40	40	25,0	4	46	55
FVT 90	50	63	80	100	125	160	200	250	25	35,5	36.0	14	20	48	45	27,5	5	53	62
FVT 112	80	100	125	160	200	250	315	-	30	42,5	43,0	16	22	55	50	30,0	6	63	72
FVT 140	80	100	125	160	200	250	315	400	35	47,5	48,0	18	26	60	60	37,5	6	68	80
FVT 180	-	100	125	160	200	250	315	400	45	61,5	62,5	20	30	70	70	45,0	8	86	100
FVT 250	-	-	125	160	200	250	315	400	55	72,0	73,0	26	36	80	80	50,0	8	98	114
FVT 315	-	-	125	160	200	250	315	400	65	86,0	87,0	30	42	90	90	55,0	10	117	133
FVT 400	-	-	-	160	200	250	315	400	70	96,0	97,0	32	44	100	90	55,0	12	131	151

Engineered Chains

C 1.3 - Type FV with K-Attachments

Performance Data

DIN/ ISO	F_B (kN) min	F_W (kN) min	A (cm^2)	p_{zul} (N/cm^2)
FV 40	40	6,7	2,45	2680
FV 63	63	10,5	3,66	2840
FV 90	90	15	4,97	3000
FV 112	112	18,7	6,8	2750
FV 140	140	23,4	8,55	2720
FV 180	180	30	12,3	2440
FV 250	250	41,7	18,7	2230
FV 315	315	52,5	25,8	2040
FV 400	400	66,7	30,7	2170

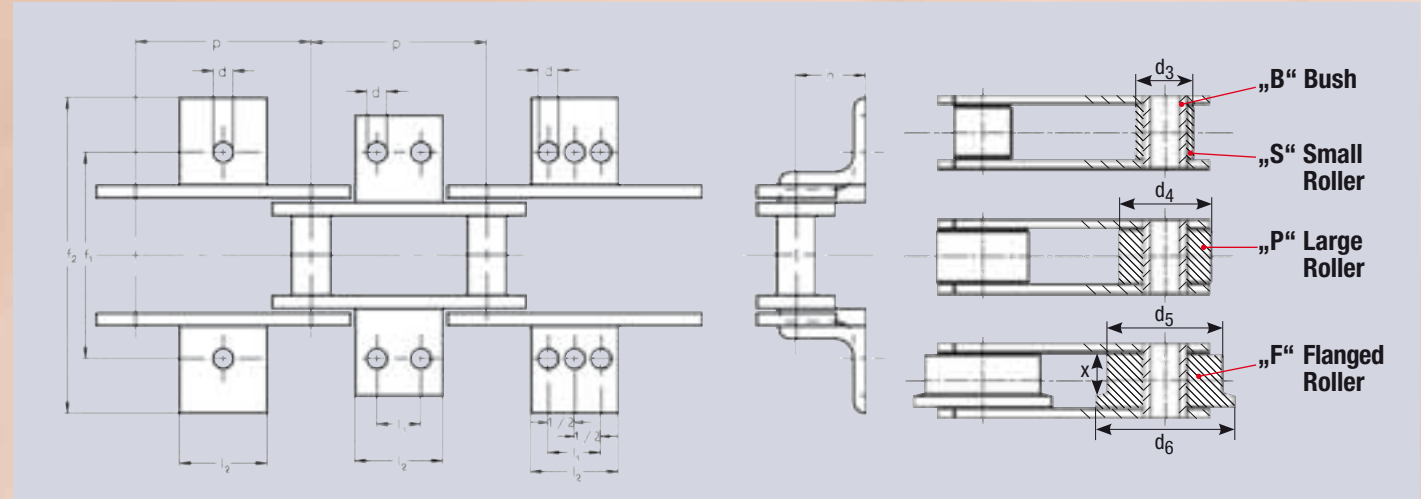
F_B: Breaking Load; F_W: Working Load

Material

Sidebars: Carbon Steel
Pins: Carbon Steel, carburised
Bushes: Carbon Steel, carburised
Rollers: Carbon Steel, carburised

Features

- Bushes/Pins flatted
  Safety from turning!
- Solid Bushes
- Plates Shot Peened



Dimension

DIN		p 63	p 100	p 125	p 160	p 200	p 250	p 315	p 400	d	f_1	f_2 max	h	Attachment
FV 40	l1	-	30	-	-	-	-	-	-	6,6	50	100	20	25 x 25 x 3
	l2	31	50	-	-	-	-	-	-					
FV 63	l1	-	30	40	50	-	-	-	-	9,0	68	110	30	30 x 30 x 3
	l2	40	50	60	70	-	-	-	-					
FV 90	l1	-	30	40	50	60	65	-	-	9,0	80	130	35	40 x 40 x 4
	l2	-	50	60	70	80	85	-	-					
FV 112	l1	-	30	40	50	65	80	-	-	11,0	100	140	40	40 x 40 x 5
	l2	-	50	65	75	90	105	-	-					
FV 140	l1	-	30	40	50	65	80	100	-	11,0	100	170	45	50 x 50 x 5
	l2	-	55	65	75	90	105	125	-					
FV 180	l1	-	-	35	50	65	80	100	100	13,5	128	190	45	50 x 50 x 6
	l2	-	-	65	80	95	110	130	130					
FV 250	l1	-	-	-	50	65	80	100	100	13,5	138	230	55	65 x 65 x 8
	l2	-	-	50	80	95	110	130	130					
FV 315	l1	-	-	-	-	65	80	100	100	13,5	170	260	60	70 x 70 x 8
	l2	-	-	-	50	95	110	130	130					
FV 400	l1	-	-	-	-	60	80	100	100	17,5	190	290	65	80 x 80 x 10
	l2	-	-	-	50	100	120	140	140					

Engineered Chains

C 2.1 - Type M with solid pins, DIN 8167 / ISO 1977

Performance Data

DIN/ ISO	F_B (kN) min	F_W (kN) min	A (cm^2)	p_{zul} (N/cm^2)
M 20	20	2,85	1,32	2160
M 28	28	4,0	1,75	2290
M 40	40	5,7	2,38	2400
M 56	56	8,0	3,3	2430
M 80	80	11,4	4,68	2440
M 112	112	16,0	6,75	2370
M 160	160	22,9	9,36	2440
M 224	224	32,0	12,6	2540
M 315	315	45,0	17,5	2570
M 450	450	64,3	24,6	2620

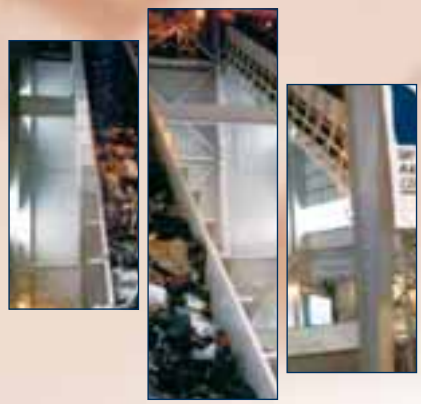
F_B: Breaking Load; F_W: Working Load

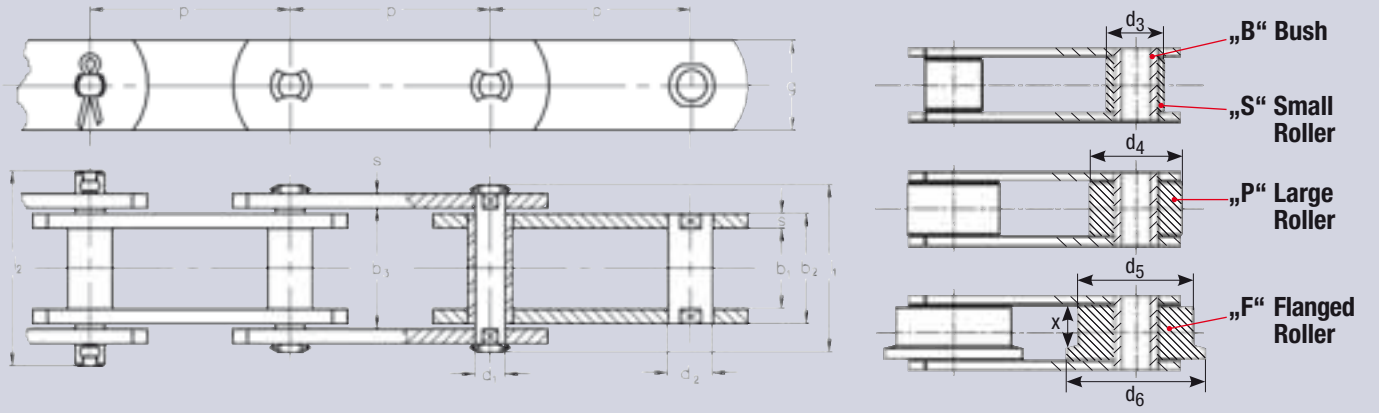
Material

Sidebars: St 52-2
Pins: Carbon Steel, carburised
Bushes: Carbon Steel, carburised
Rollers: Carbon Steel, carburised

Features

- Bushes/Pins flatted
  Safety from turning! (except M20, M28, M40)
- Solid Bushes
- Plates Shot Peened





Dimension

DIN	p							b_1 min	b_2 max	b_3 min	d_1 max	d_2 max	d_3	d_4	d_5	d_6	x	l_1 max	l_2 max	g	s
M 20	40	50	63	80	100	125	160	16	22,0	22,2	6,0	9	12,5	25	25	30	11,5	35	49	18	2,5
M 28	50	63	80	100	125	160	200	18	25,0	25,2	7,0	10	15	30	30	36	13,0	40	56	20	3
M 40	63	80	100	125	160	200	250	20	28,0	28,3	8,5	12,5	18	36	36	42	14,0	45	63	25	3,5
M 56	63	80	100*	125*	160	200	250	24	33,0	33,3	10,0	15	21	42	42	50	17,5	52	72	30	4,0
M 80	80	100*	125*	160	200	250	315	28	39,0	39,4	12,0	18	25	50	50	60	20,5	62	86	35	5,0
M 112	80	100*	125*	160	200	250	315	32	45,0	45,5	15,0	21	30	60	60	70	23,0	73	101	40	6,0
M 160	100	125*	160*	200	250	315	400	37	52,0	52,5	18,0	25	36	70	70	85	26,5	85	117	50	7,0
M 224	125	160	200	250	315	400	500	43	60,0	60,6	21,0	30	42	85	85	100	31,0	98	134	60	8,0
M 315	160	200	250	315	400	500	630	48	70,0	70,7	25,0	36	50	100	100	120	34,0	112	154	70	10,0
M 450	-	200	250	315	400	500	630	56	82,0	82,8	30,0	42	60	120	120	140	37,0	135	185	80	12,0

* : available within 4 weeks

Engineered Chains

C 2.2 - Type MT with solid pins, DIN 8167 / ISO 1977

Performance Data

DIN/ ISO	F_B (kN) min	F_W (kN) min	A (cm^2)	p_{zul} (N/cm^2)
MT 20	**20**	**2,85**	**1,32**	**2160**
MT 28	28	4,0	1,75	2290
MT 40	40	5,7	2,38	2400
MT 56	56	8,0	3,3	2430
MT 80	80	11,4	4,68	2440
MT 112	112	16,0	6,75	2370
MT 160	160	22,9	9,36	2440
MT 224	224	32,0	12,6	2540
MT 315	315	45,0	17,5	2570
MT 450	450	64,3	24,6	2620

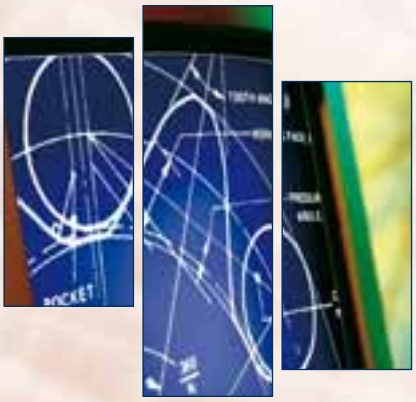
F_B: Breaking Load; F_W: Working Load

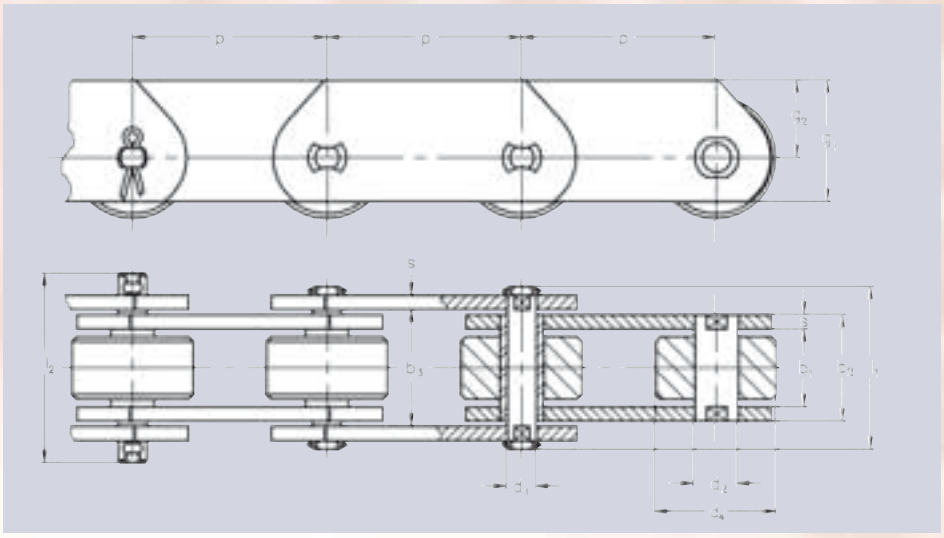
Material

Sidebars: St 52-2
Pins: Carbon Steel, carburised
Bushes: Carbon Steel, carburised
Rollers: Carbon Steel, carburised or MnCr Steel, carburised

Features

- Bushes/Pins flatted
  Safety from turning! (except M20, M28, M40)
- Solid Bushes
- Plates Shot Peened





Dimension

DIN/ ISO	p							b_1 min	b_2 max	b_3 min	d_1 max	d_2	d_4	g_1	g_2	s	l_1 max	l_2 max
MT 20	40	50	63	80	100	125	160	16	22,0	22,2	6	9,0	25	25	16,0	2,5	35	49
MT 28	50	63	80	100	125	160	200	18	25,0	25,2	7	10,0	30	30	2,0	3,0	40	56
MT 40	63	80	100	125	160	200	250	20	28,0	28,3	8,5	12,5	36	35	22,5	3,5	45	63
MT 56	63	80	100	125	160	200	250	24	33,0	33,3	10	15,0	42	45	30,0	4,0	52	72
MT 80	80	100	125	160	200	250	315	28	39,0	39,4	12	18,0	50	50	32,5	5,0	62	86
MT 112	80	100	125	160	200	250	315	32	45,0	45,5	15	21,0	60	60	40,0	6,0	73	101
MT 160	100	125	160	200	250	315	400	37	52,0	52,5	18	25,0	70	70	45,0	7,0	85	117
MT 224	125	160	200	250	315	400	500	43	60,0	60,6	21	30,0	85	90	60,0	8,0	98	134
MT 315	160	200	250	315	400	500	630	48	70,0	70,7	25	36,0	100	100	65,0	10,0	112	154
MT 450	200	250	315	400	500	630	-	56	82	82,8	30,0	42,0	120	120	80,0	12,0	135	185

Engineered Chains

C 2.3 - Type M with K-Attachments

Performance Data

DIN/ ISO	F_B (kN) min	F_W (kN) min	A (cm^2)	p_{zul} (N/cm^2)
M 20	20	2,85	1,32	2160
M 28	28	4,0	1,75	2290
M 40	40	5,7	2,38	2400
M 56	56	8,0	3,3	2430
M 80	80	11,4	4,68	2440
M 112	112	16,0	6,75	2370
M 160	160	22,9	9,36	2440
M 224	224	32,0	12,6	2540
M 315	315	45,0	17,5	2570
M 450	450	64,3	24,6	2620

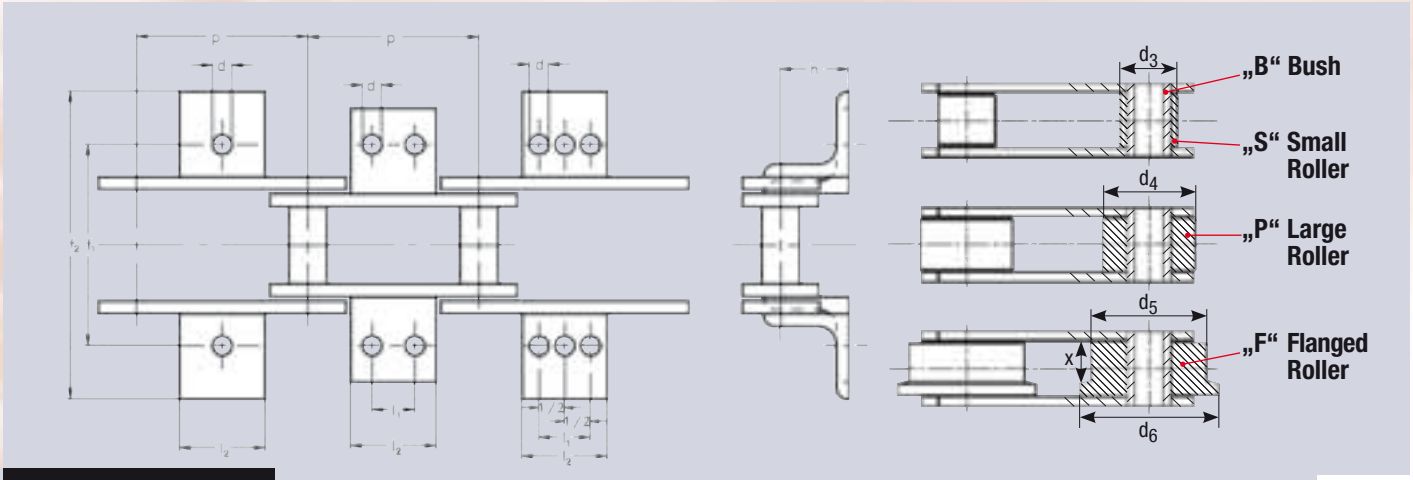
F_B: Breaking Load; F_W: Working Load

Material

Sidebars: St 52-2
Pins: Carbon Steel, carburised
Bushes: Carbon Steel, carburised
Rollers: Carbon Steel, carburised

Features

- Bushes/Pins flatted
  Safety from turning! (except M20, M28, M40)
- Solid Bushes
- Plates Shot Peened



Dimension

DIN		p													d	f_1	f_2 max	h	Attachment
		40	50	63	80	100	125	160	200	250	315	400	500	630					
M 20	l1	-	-	20	35	50	50	50	-	-	-	-	-	-	7	54	84	16	25 x 25 x 3
	l2	14	14	35	50	65	65	65	-	-	-	-	-	-					
M 28	l1	-	-	-	25	40	65	65	65	-	-	-	-	-	9	64	100	20	30 x 20 x 3
	l2	-	20	20	45	60	85	85	85	-	-	-	-	-					
M 40	l1	-	-	-	20	40	65	65	65	65	-	-	-	-	9	70	112	25	30 x 30 x 3
	l2	-	-	20	40	60	85	85	85	85	-	-	-	-					
M 56	l1	-	-	-	-	25	50	85	85	85	-	-	-	-	11	88	140	30	40 x 40 x 4
	l2	-	-	22	22	50	75	110	110	110	-	-	-	-					
M 80	l1	-	-	-	-	-	50	85	125	125	125	-	-	-	11	96	160	35	40 x 40 x 4
	l2	-	-	-	22	22	75	110	150	150	150	-	-	-					
M 112	l1	-	-	-	-	-	35	65	100	100	100	-	-	-	14,0	110	184	40	50 x 50 x 6
	l2	-	-	-	28	28	65	95	130	130	130	-	-	-					
M 160	l1	-	-	-	-	-	-	50	85	145	145	145	-	-	14,0	124	200	45	50 x 50 x 6
	l2	-	-	-	-	30	30	80	115	175	175	175	-	-					
M 224	l1	-	-	-	-	-	-	-	65	125	190	190	190	-	18,0	140	228	55	60 x 60 x 8
	l2	-	-	-	-	-	35	35	100	160	225	225	225	-					
M 315	l1	-	-	-	-	-	-	-	50	100	155	155	155	155	18,0	160	250	65	70 x 70 x 8
	l2	-	-	-	-	-	-	35	85	135	190	190	190	190					
M 450	l1	-	-	-	-	-	-	-	-	85	155	240	240	240	18,0	180	280	75	70 x 70 x 8
	l2	-	-	-	-	-	-	-	40	125	195	280	280	280					

Engineered Chains

C 2.4 - Type MC hollow pins, DIN 8168 / ISO 1977

Performance Data

DIN/ ISO	F_B (kN) min	F_W (kN) min	A (cm^2)
MC 28	28	3,73	3,64
MC 56	56	7,47	5,11
MC 112	112	14,93	9,90
MC 224	224	29,87	18,60

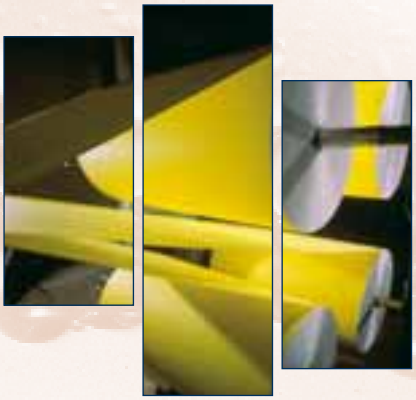
F_B: Breaking Load

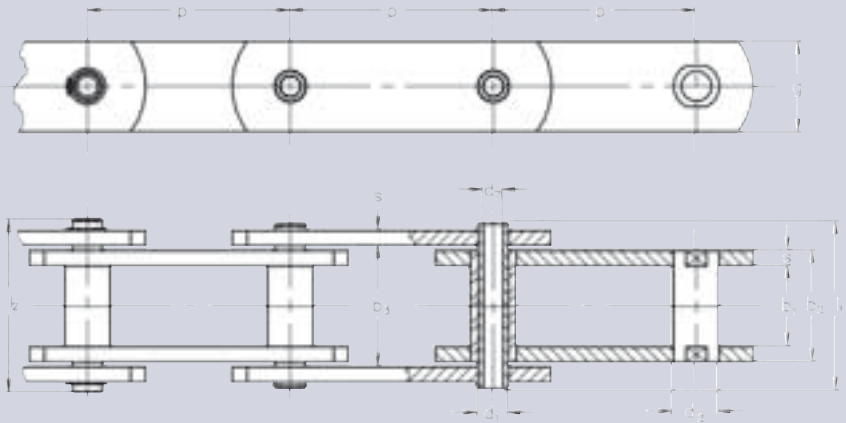
Material

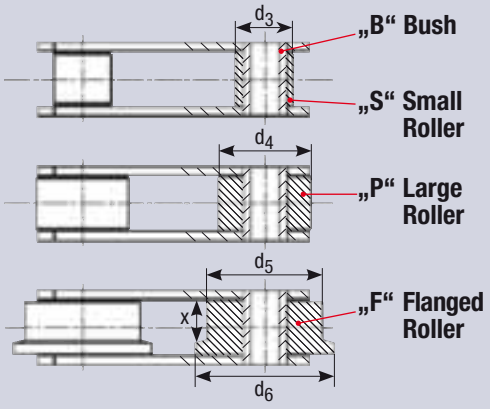
Sidebars: St 52-2
Pins: Carbon Steel, carburised
Bushes: Carbon Steel, carburised
Rollers: Carbon Steel, carburised
or MnCr Steel, carburised

Features

- Bushes/Pins flatted
  Safety from turning! (except M28)
- Solid Bushes
- Plates Shot Peened







Dimension

DIN/ ISO	p							b_1	b_2 min	b_3 max	d_1 min	d_2 max	d_3 max	d_4	d_5	d_6	d_7	x	l_1	l_2 max	g max	s
MC 28	50	63	80	100	125	160	200	20	28,0	28,3	13	17,5	25	36	42	8,2	8,2	14,0	42	47	25	3,5
MC 56	63	80	100	125	160	200	250	24	33,0	33,3	15,5	21	30	50	60	10,2	10,2	17,5	48	54	35	4
MC 112	80	100	125	160	200	250	315	32	45,0	45,5	22	29	42	70	85	14,3	14,3	23,0	67	73	50	6
MC 224	125	160	200	250	315	400	500	43	60,0	60,6	31	41	60	100	120	20,3	20,3	31,0	90	96	70	8,0

Engineered Chains

C 3.1 - Type M/FV- Front Attachments

Performance Data

DIN/ ISO	F_B (kN) min	F_W (kN) min	A (cm^2)	p_{zul} (N/cm^2)
FV 90	90	15	4,97	3000
M 80	80	11,4	4,68	2440
M 112	112	16,0	6,75	2370

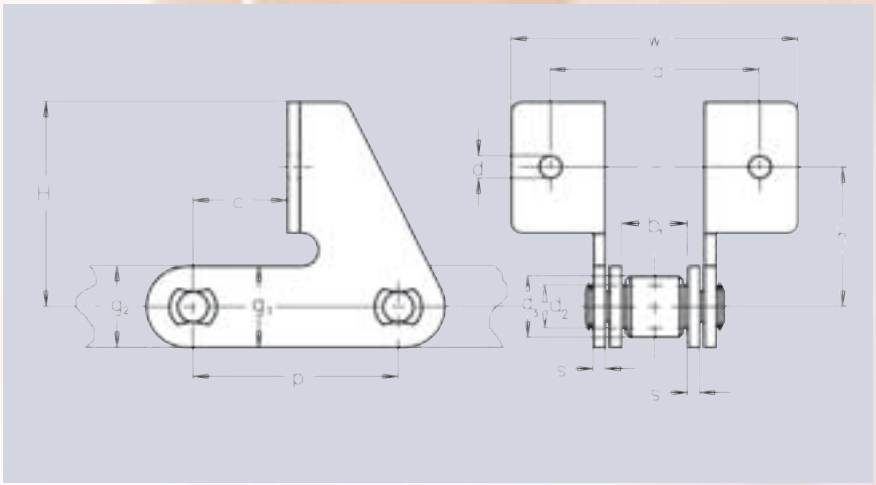
F_B: Breaking Load; F_W: Working Load

Material

Sidebars: Carbon Steel
Pins: Carbon Steel, carburised
Bushes: Carbon Steel, carburised
Rollers: Carbon Steel, carburised

Features

- Bushes/Pins flatted
  Safety from turning!
- Solid Bushes
- Plates Shot Peened



Dimension

DIN/ ISO	p	b_1	d_2	d_3	a	w	h	H	c	d	s	g_1	g_2
M 80	100	28	18	25	94	132	68	100	46	11,0	5	40	35
M 112	100	32	21	30	100	138	68	100	45	11,0	6	40	40
M 112	100	32	21	-	91	138	78	100	45	11,0	6	40	40
FV 90	100	26,5	20	-	94,5	132,5	68	100	45	11,0	6	40	40
FV 90	100	26,5	20	-	90	132,5	78	100	45	11,0	6	40	40
FV 90	100	25	20	-	90	130,5	78	100	45	11,0	6	40	40

Engineered Chains

C 4.1 - Engineered Class Chains (81X, C1288)

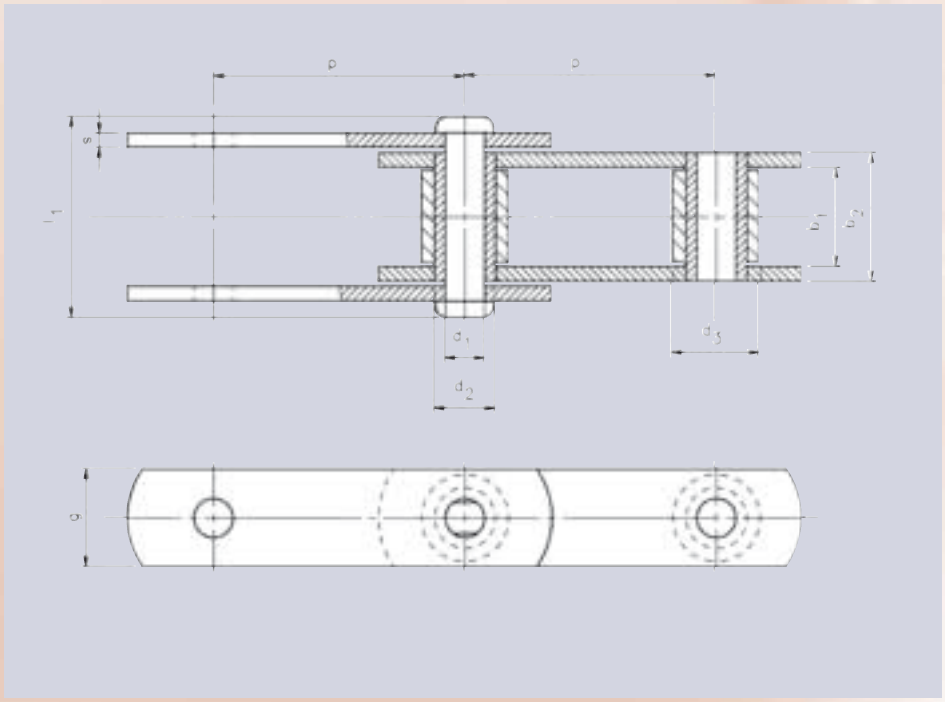
Performance Data

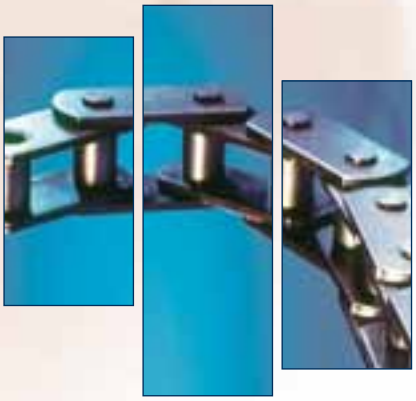
DIN/ ISO	F_B (kN) min	F_W (kN) min	A (cm^2)	p_{zul} (N/cm^2)
RS 81X	71,2	8,9	3,9	2282
RS 81XH	124,6	11,1	4,7	2361
RS 81XHH	124,6	11,1	4,7	2361
C 1288	71,2	8,9	3,7	2405
81Xi	71,2	8,9	3,9	2282

F_B: Breaking Load; **F_W:** Working Load

Features

- Bushes and Pins with high Pressfits in sidebars
  ⇨**High Fatigue Resistance**
- High Quality Material in combination with best heat treatment
  ⇨**High Wear Resistance**
- Solid Bushes and Rollers
- Sidebars Shot Peened





Dimension

Type	p (mm)	b_1 min	b_2 max	d_1 max	d_2 max	d_3	l max	g	s	q (kg/m)	Side-bars	Pins	Rollers	Bushings
RS 81X	66,27	27,2	35,3	10,9	16,0	22,4	54,4	28,7	4,1	3,7	TH	CARB	TH	CARB
RS 81XH	66,27	27,2	42,9	10,9	16,0	22,4	65,5	32,3	7,9	6,1	TH	TH	TH	CARB
RS 81XHH	66,27	27,2	42,9	10,9	16,0	22,4	70,1	32,3	7,9	6,9	TH	TH	TH	CARB
C 1288	66,27	27,4	35,1	10,4	16,0	22,9	56,6	28,7	4,1	3,7	TH	CARB	CARB	CARB
81Xi	66,27	27,2	35,3	10,9	16,0	22,4	54,4	28,7	4,1	3,7	TH	TH	CARB	CARB

TH: Through hardened; **CARB:** Carburised