



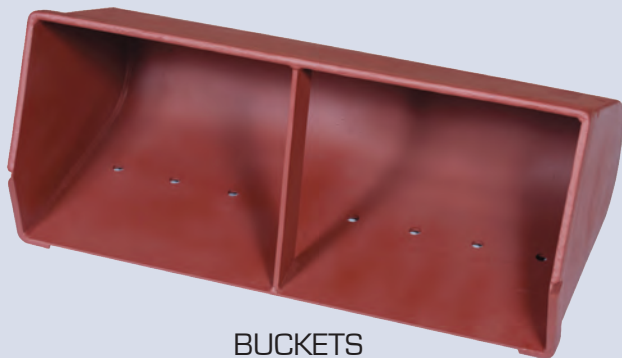
NATIONAL CHAINS

**MANUFACTURERS AND SUPPLIERS OF
CONVEYOR AND BUCKET ELEVATOR CHAINS**

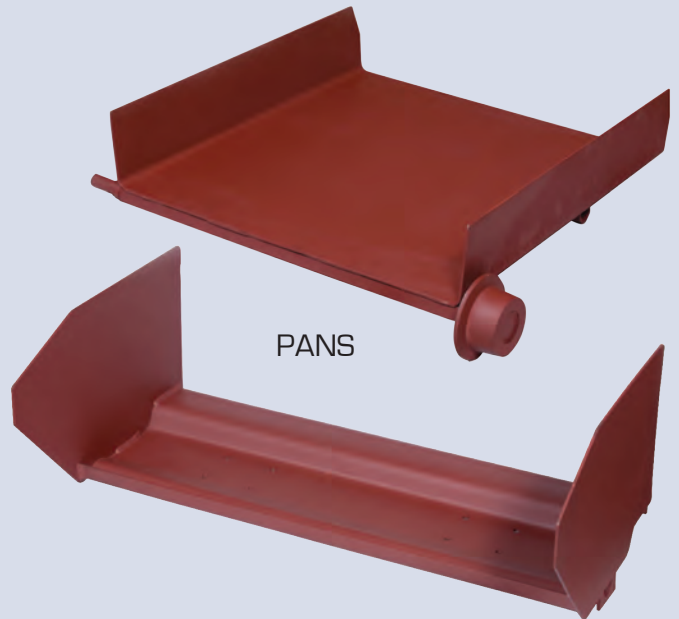
F-SERIES METRIC CHAINS DIN 8165



OTHER QUALITY PRODUCTS MANUFACTURED BY NATIONAL CHAINS



BUCKETS



PANS



SPROCKETS



SCRAPPERS



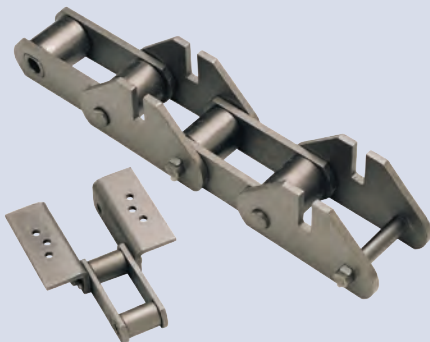
CRANKED HEAVY DUTY CHAIN



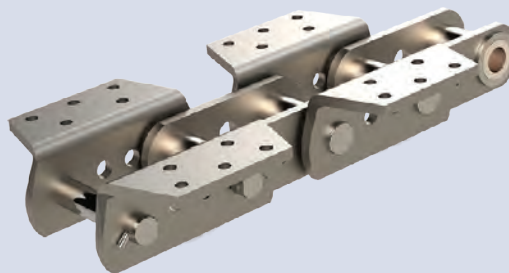
HEAVY DUTY TRAM CHAIN



RECLAIMER CONVEYOR CHAINS



DRAG SLATE - M STYLE



STEEL BUSH CHAIN



FORGED LINK CHAIN



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ABOUT US

Product Specialist

At **National Chains** we believe that true excellence lies in combining mind and machine – an approach reflected not only in our superior quality chains, but also in our unique service standards. As specialists in the supply of medium to heavy-duty conveyor and elevator chains, our client service includes expert advisors - from quotation to delivery and after-sales service. Our uncompromising commitment to excellence is driven by a management team with more than 30 years' experience in the manufacture and marketing of industrial chains.

Meticulous Manufacturing

Standard or Tailored

Through our in-house manufacturing arm, **Chain Connection**, products are meticulously manufactured to standard specifications using state-of-the art CAD/CAM technology. Manufacturing equipment includes a range of eccentric and hydraulic presses - from 100 to 500 tons - CNC lathes, CNC milling. The manufacturing process of all components and chains is marked by stringent quality control as to be **SABS ISO 9001** compliant.

If your required chain is not listed in our catalogues, please feel free to send us your requirements so that we can manufacture a chain to suit your needs.

SABS Registration: LS3517

Date of Original Registration: 18 March 2005

Latest Certificate Available on Request



CREATING A CHAIN OF EXCELLENCE

ABOUT US

All our chains are manufactured from quality certified steel, coded for traceability and where required, heat-treated to offer the perfect combination of strength and flexibility.

As a hands-on team of specialists, we can offer superior products at highly competitive prices. No fat, just fact.

National Chains is a Level 2 BEE company.

Conveyor and elevator chains, buckets, sprockets and guide rollers are manufactured for application in various industries throughout Southern Africa such as:

- Coal Mining
- Diamond Mining
- Gold Mining
- Timber
- Cement
- Automotive
- Sugar
- Fertiliser
- Asphalt
- Steel, etc.



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F-SERIES METRIC CHAINS

DIN 8165

HOW CHAINS ARE NAMED



F-SERIES METRIC CHAINS

DIN 8165

TYPE OF CHAINS

FW/C	Solid Pin
FW/CC	Hollow Pin
FW/CE	Deep Link

TYPE OF ROLLER & BUSH

A	Bush Type
B	Small Roller
C	Standard Roller
D	Flanged Roller

TYPE OF ATTACHMENT

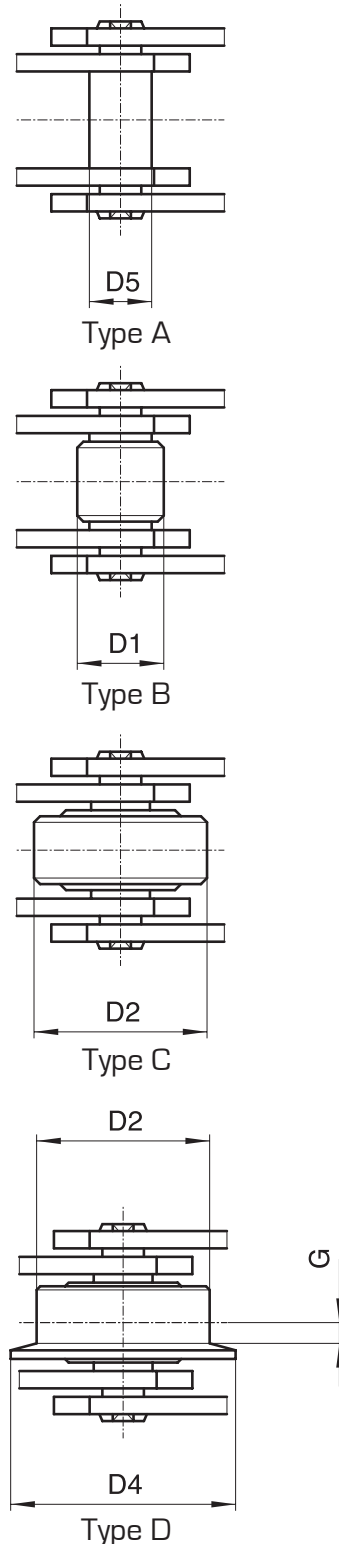
A	for single-sided bent attachment
M	for single-sided vertical attachment
K	for double-sided bent attachment
MK	for double-sided vertical attachment

NUMBER OF HOLES FOR ATTACHMENT

1	for single-holed attachment
2	for double-holed attachment
3	for triple-holed attachment

FREQUENCY OF ATTACHMENT

01	for attachment every pitch
02	for attachment every 2 pitches
10	for attachment every 10 pitches
0X	for attachment every X pitches



ADDITIONAL ATTACHMENTS AVAILABLE ON REQUEST

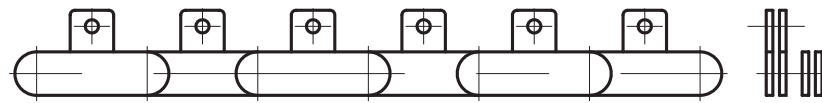
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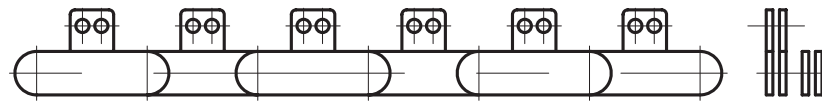
F-SERIES METRIC CHAINS

DIN 8165

ATTACHMENT ASSEMBLY COMBINATIONS



M1-01



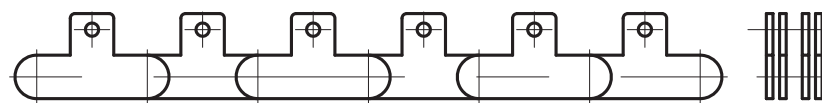
M2-01



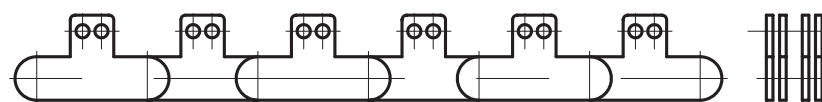
M1-02



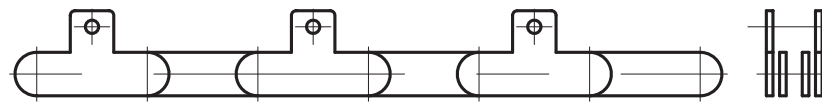
M2-02



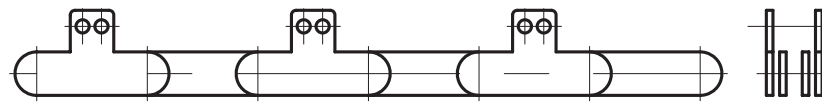
MK1-01



MK2-01



MK1-02

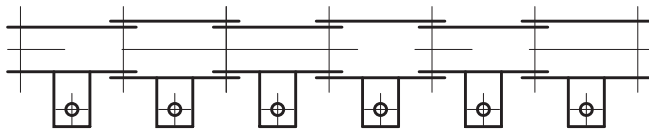


MK2-02

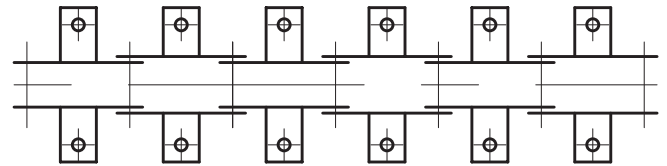
F-SERIES METRIC CHAINS

DIN 8165

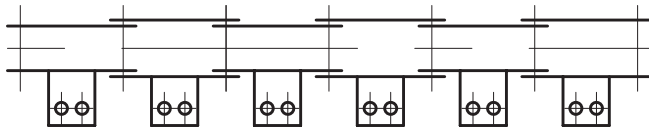
ATTACHMENT ASSEMBLY COMBINATIONS



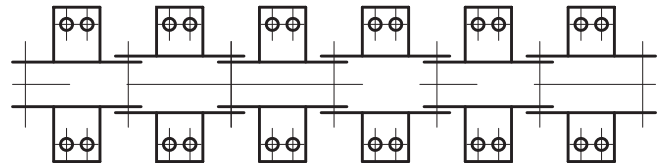
A1-01



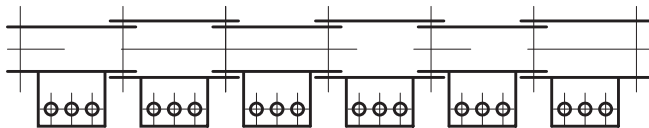
K1-01



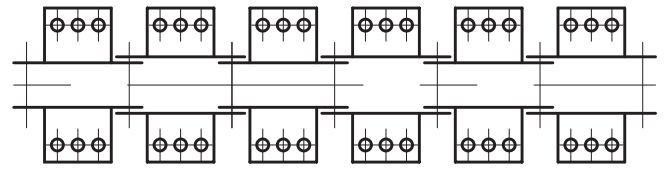
A2-01



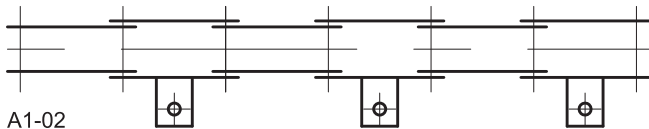
K2-01



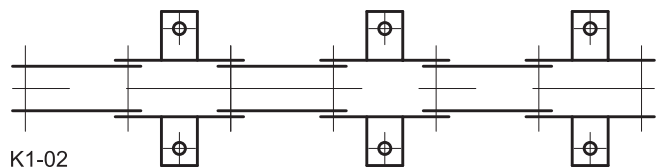
A3-01



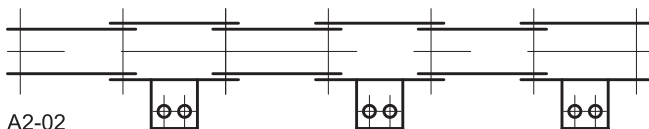
K3-01



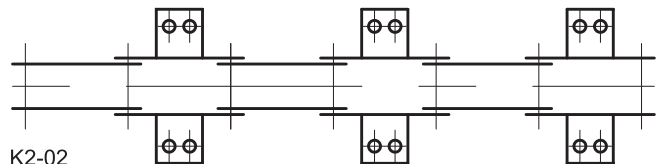
A1-02



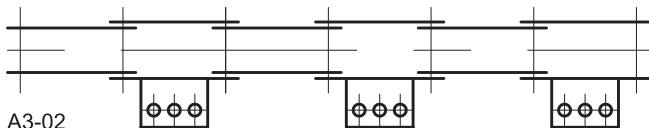
K1-02



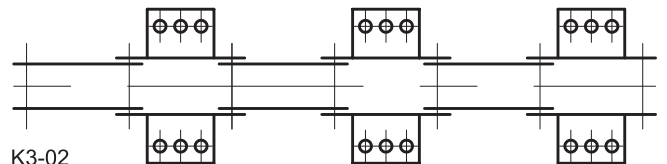
A2-02



K2-02



A3-02



K3-02

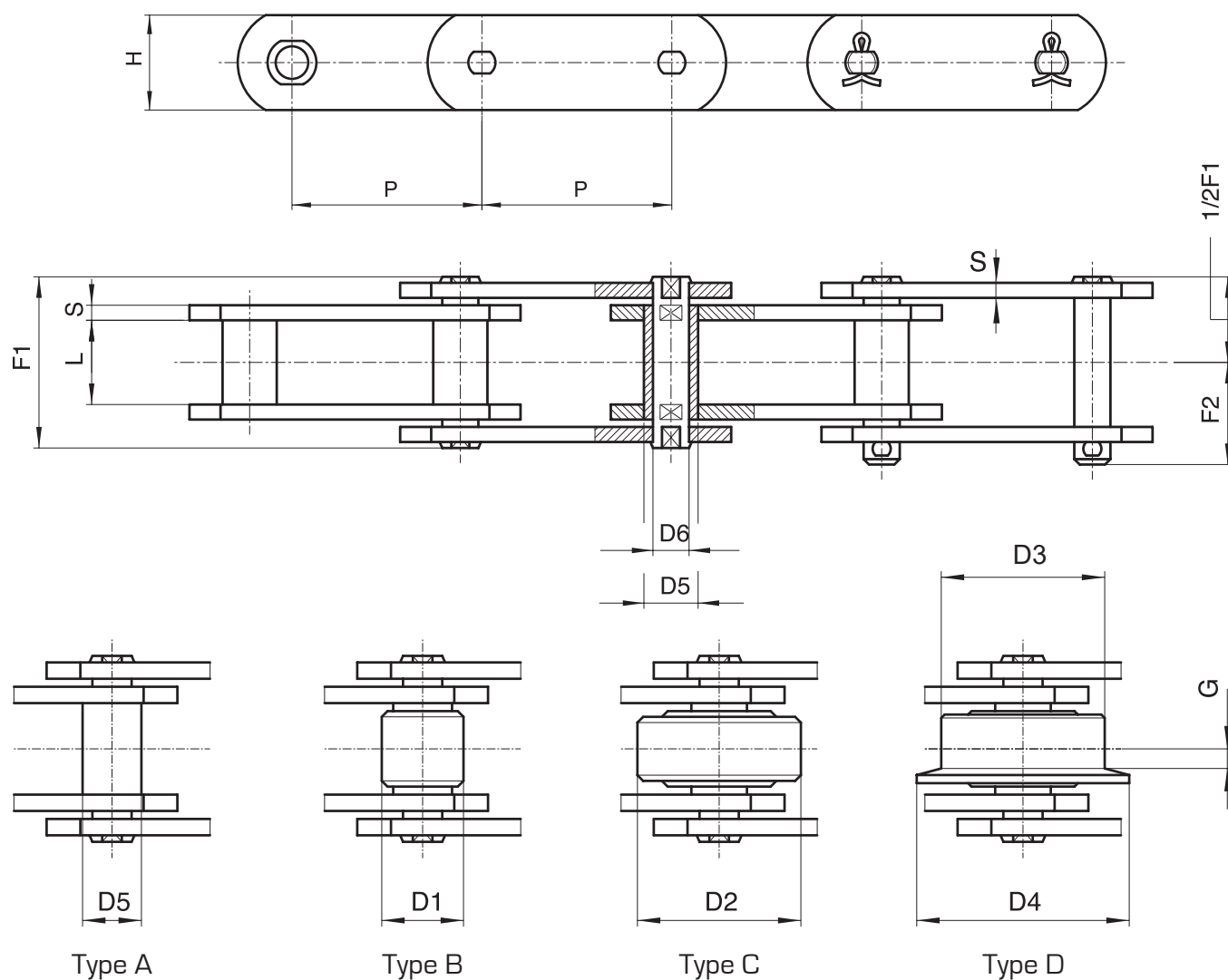
CREATING A CHAIN OF EXCELLENCE



F-SERIES METRIC CHAINS

DIN 8165

SOLID PIN CHAINS



DIN No.	Chain No.	P mm	L mm	D1 mm	D2 mm	D3 mm	D4 mm	G mm	D5 mm	D6 mm	H mm	S mm	F1 mm	F2 mm	Breaking Load kN	Breaking Load kN*
FV40	C42	50	18	20	32	40	50	4	15	10	25	3	36	21	40	47
55	55	63	22	26	32	40	50	5	18	12	30	4	45	26	63	75
55	55	80	28	32	40	50	63	6	22	15	35	5	54	32	80	95
55	55	100	35	40	50	63	80	8	28	20	45	6	68	40	100	118
55	55	125	45	50	63	80	100	10	35	25	55	8	86	50	125	147
FV63	C64	63	22	26	40	50	63	5	18	12	30	4	45	26	63	75
55	55	80	28	32	50	63	80	6	22	15	35	5	54	32	80	95
55	55	100	35	40	63	80	100	8	28	20	45	6	68	40	100	118
55	55	125	45	50	80	100	125	10	35	25	55	8	86	50	125	147
55	55	160	60	70	100	125	160	12	45	35	70	10	110	63	160	188

CREATING A CHAIN OF EXCELLENCE



F-SERIES METRIC CHAINS

DIN 8165

SOLID PIN CHAINS

DIN No.	Chain No.	P mm	L mm	D1 mm	D2 mm	D3 mm	D4 mm	G mm	D5 mm	D6 mm	H mm	S mm	F1 mm	F2 mm	Breaking Load kN	Breaking Load kN*
FV90	C100	63	25	30	48	63	78	6.5	20	14	35	5	53	30	90	115
99	99	80	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	100	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	125	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	160	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	200	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	250	99	99	99	99	99	99	99	99	99	99	99	99	99	99
FV112	C120	100	30	32	55	72	90	7.5	22	16	40	6	53	30	112	170
99	99	125	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	160	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	200	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	250	99	99	99	99	99	99	99	99	99	99	99	99	99	99
FV140	C145	100	35	36	60	80	100	9	26	18	45	6	67	38	140	180
99	99	125	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	160	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	200	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	250	99	99	99	99	99	99	99	99	99	99	99	99	99	99
FV180	C190	125	45	42	70	100	125	13	30	20	50	8	86	49	180	250
99	99	160	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	200	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	250	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	315	99	99	99	99	99	99	99	99	99	99	99	99	99	99
FV250	C275	160	55	50	80	125	155	15	36	26	60	8	97	55	250	300
99	99	200	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	250	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	315	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	400	99	99	99	99	99	99	99	99	99	99	99	99	99	99
FV315	C370	160	65	60	90	140	175	18	42	30	70	10	113	70	315	480
99	99	200	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	250	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	315	99	99	99	99	99	99	99	99	99	99	99	99	99	99
99	99	400	99	99	99	99	99	99	99	99	99	99	99	99	99	99

* * Breaking Load of heat-treated plates.

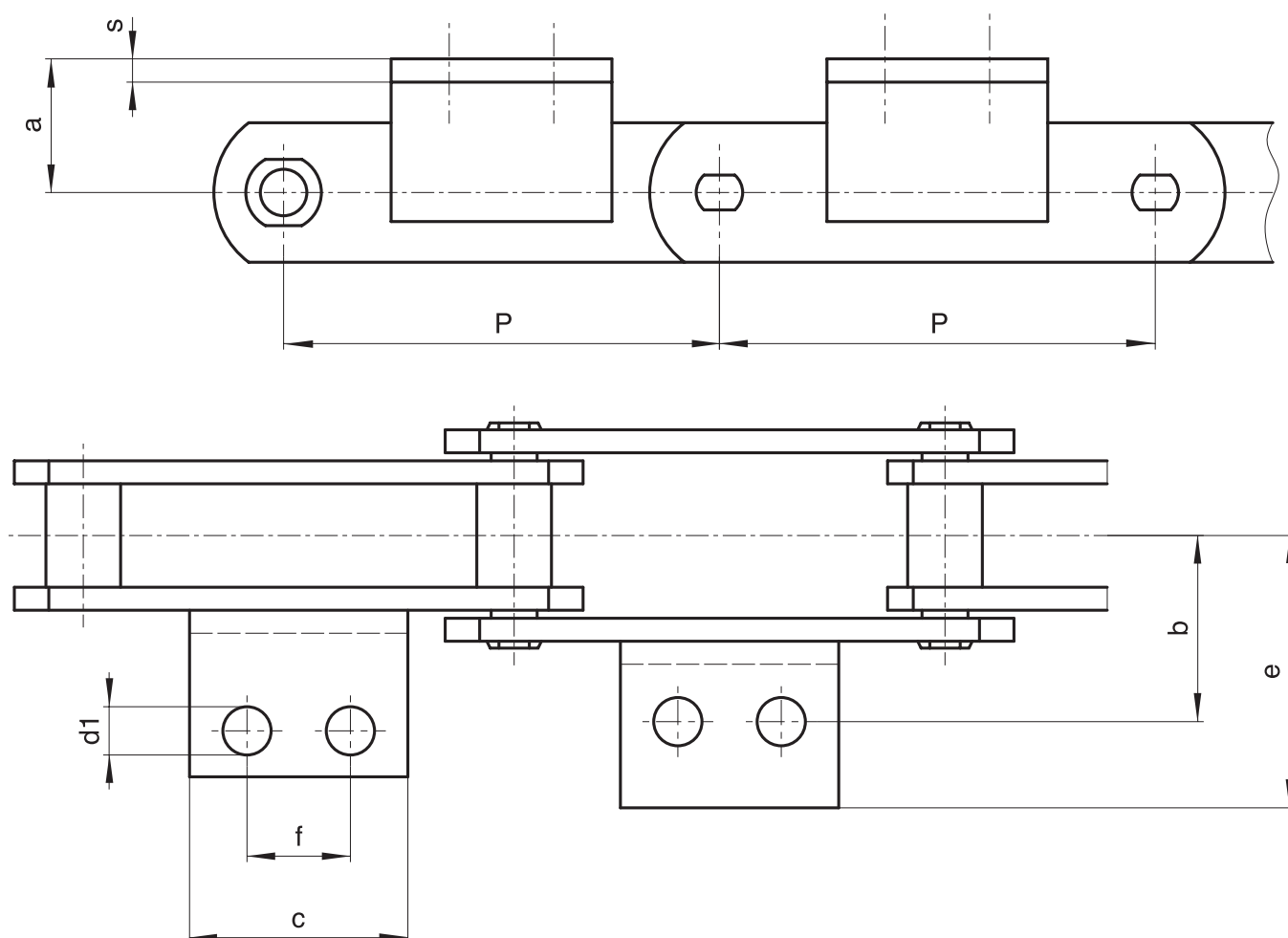
CREATING A CHAIN OF EXCELLENCE



F-SERIES METRIC CHAINS

DIN 8165

SOLID PIN CHAIN ATTACHMENTS



DIN No.	Chain No.	P mm	A mm	B mm	C mm	D1 mm	E mm	F mm	Angle mm	Chain Weight Kg/mt			
										Type A	Type B	Type C	Type D
FV40	C42	50	20	25	45	6.5	64	/	/	2.4	2.9	4	5.6
"	"	63	"	"	45	"	"	25	/	2	2.4	3.3	4.5
"	"	80	"	"	45	"	"	25	/	1.9	2.2	3	3.9
"	"	100	"	"	50	"	"	30	/	1.7	2	2.6	3.3
"	"	125	"	"	60	"	"	30	/	1.6	1.9	2.3	3
FV63	C64	63	30	34	40	8.4	50	/	30x4	3.8	4.5	6.4	8.9
"	"	80	"	"	45	"	"	25	"	3.2	3.8	5.3	7.2
"	"	100	"	"	50	"	"	30	30x4	3	3.5	4.7	6.2
"	"	125	"	"	60	"	"	40	"	2.7	3	4	5.3
"	"	160	"	"	70	"	"	50	"	2.4	2.7	3.5	4.4

CREATING A CHAIN OF EXCELLENCE

F-SERIES METRIC CHAINS

DIN 8165

SOLID PIN CHAIN ATTACHMENTS

DIN No.	Chain No.	P mm	A mm	B mm	C mm	D1 mm	E mm	F mm	Angle mm	Chain Weight Kg/mt			
										Type A	Type B	Type C	Type D
FV90	C100	63	35	40	30	8.4	64	/	/	5.6	6.8	10	14.7
"	"	80	"	"	45	"	"	25	/	5.1	6	8.6	12.3
"	"	100	"	"	50	"	"	30	/	4.5	5.3	7.3	10.3
"	"	125	"	"	60	"	"	40	/	4.2	4.8	6.5	8.8
"	"	160	"	"	70	"	"	50	/	4	4.5	5.8	7.6
"	"	200	"	"	80	"	"	60	/	3.5	3.8	4.8	5.8
"	"	250	"	"	85	"	"	65	/	3.4	3.7	4.6	5.4
FV112	C120	100	40	50	50	11	70	30	40x6	6.7	7.7	11.2	18.8
"	"	125	"	"	65	"	"	40	"	6	6.8	9.6	15.7
"	"	160	"	"	75	"	"	50	"	5.5	6.1	8.3	13
"	"	200	"	"	90	"	"	65	"	5.2	5.7	7.5	11.3
"	"	250	"	"	105	"	"	80	"	4.9	5.3	6.7	9.8
FV140	C145	100	45	50	55	11	81	30	50x6	8.2	9.5	14.3	21.4
"	"	125	"	"	65	"	"	40	"	7.4	8.5	12.3	18
"	"	160	"	"	75	"	"	50	"	6.7	7.5	10.5	14.9
"	"	200	"	"	90	"	"	65	"	6	6.7	9	12.8
"	"	250	"	"	105	"	"	80	"	5.8	6.3	8.3	11
FV180	C190	125	45	64	63	13	91	35	50x7	10.5	12.4	18.9	31.3
"	"	160	"	"	80	"	"	50	"	10.2	11.7	16.7	26.5
"	"	200	"	"	95	"	"	65	"	9.6	10.8	14.8	25.9
"	"	250	"	"	110	"	"	80	"	8.9	9.8	13	19.3
"	"	315	"	"	130	"	"	100	"	8.3	9	11.6	16.6
FV250	C275	160	55	69	80	14	106	50	60x8	13.4	16.4	23.8	45.9
"	"	200	"	"	95	"	"	65	"	12.3	14.7	20.6	38.3
"	"	250	"	"	110	"	"	80	"	11.3	13.3	17.9	32.1
"	"	315	"	"	130	"	"	100	"	10.5	12	15.8	27
"	"	400	"	"	130	"	"	100	"	9.8	10.7	13.9	23.8
FV315	C370	160	60	85	50	14	130		70x10	20.4	24.9	33.3	67.8
"	"	200	"	"	95	"	"	65	"	18.5	22.1	28.9	56.4
"	"	250	"	"	110	"	"	80	"	17	20	25.3	47.3
"	"	315	"	"	130	"	"	100	"	15.9	18.2	22.4	39.9
"	"	400	"	"	130	"	"	100	"	15	16.8	20.2	34

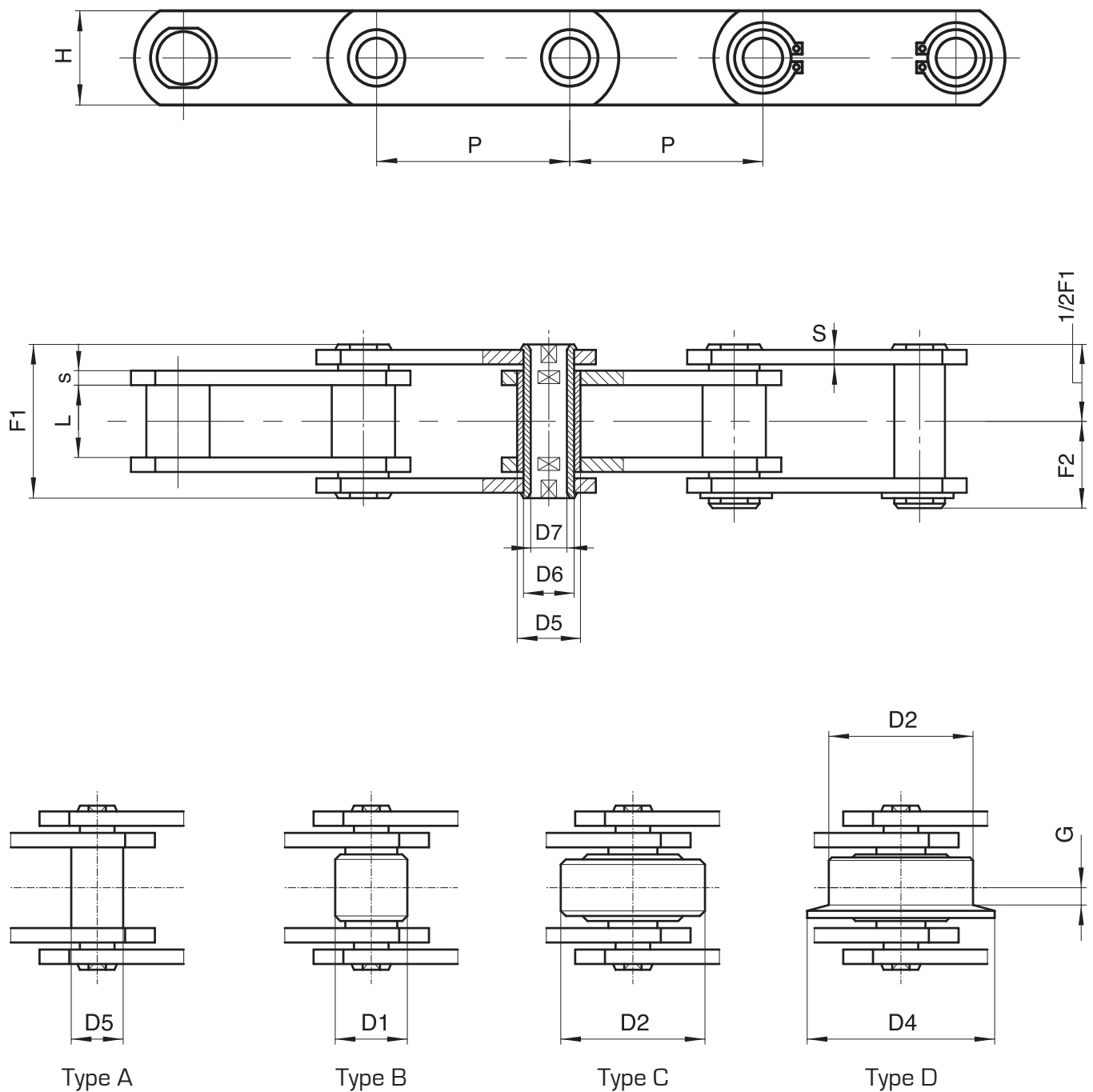
CREATING A CHAIN OF EXCELLENCE



F-SERIES METRIC CHAINS

DIN 8165

HOLLOW PIN CHAINS



CREATING A CHAIN OF EXCELLENCE

F-SERIES METRIC CHAINS

DIN 8165

HOLLOW PIN CHAINS

DIN No.	Chain No.	P mm	L mm	D1 mm	D2 mm	D3 mm	D4 mm	G mm	D5 mm	D6 mm	D7 mm	H mm	S mm	F1 mm	F2 mm	Breaking load kN*
FV63	CC46	63	22	26	40	50	63	5	18	12	8	30	4	45	28	46
33	33	80	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	100	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	125	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	160	33	33	33	33	33	33	33	33	33	33	33	33	33	33
FV90	CC73	63	25	30	48	65	78	6.5	20	14	10	35	5	51.5	26.8	73
33	33	80	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	100	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	125	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	160	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	200	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	250	33	33	33	33	33	33	33	33	33	33	33	33	33	33
FV112	CC90	100	30	32	55	72	90	7.5	22	16	11	40	6	62	32	90
33	33	125	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	160	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	200	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	250	33	33	33	33	33	33	33	33	33	33	33	33	33	33
FV140	CC110	100	35	36	60	80	100	9	26	18	12	45	6	67	35	110
33	33	125	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	160	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	200	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	250	33	33	33	33	33	33	33	33	33	33	33	33	33	33
FV180	CC145	125	45	42	70	100	125	13	30	20	14	50	8	86	45	145
33	33	160	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	200	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	250	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	315	33	33	33	33	33	33	33	33	33	33	33	33	33	33
FV250	CC215	160	55	50	80	125	155	15	36	26	18	60	8	97	55	215
33	33	200	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	250	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	315	33	33	33	33	33	33	33	33	33	33	33	33	33	33
FV315	CC295	160	65	60	90	140	175	18	42	30	20	70	10	117	63	295
33	33	200	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	250	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	315	33	33	33	33	33	33	33	33	33	33	33	33	33	33
33	33	400	33	33	33	33	33	33	33	33	33	33	33	33	33	33

* * Breaking Load of heat-treated plates.

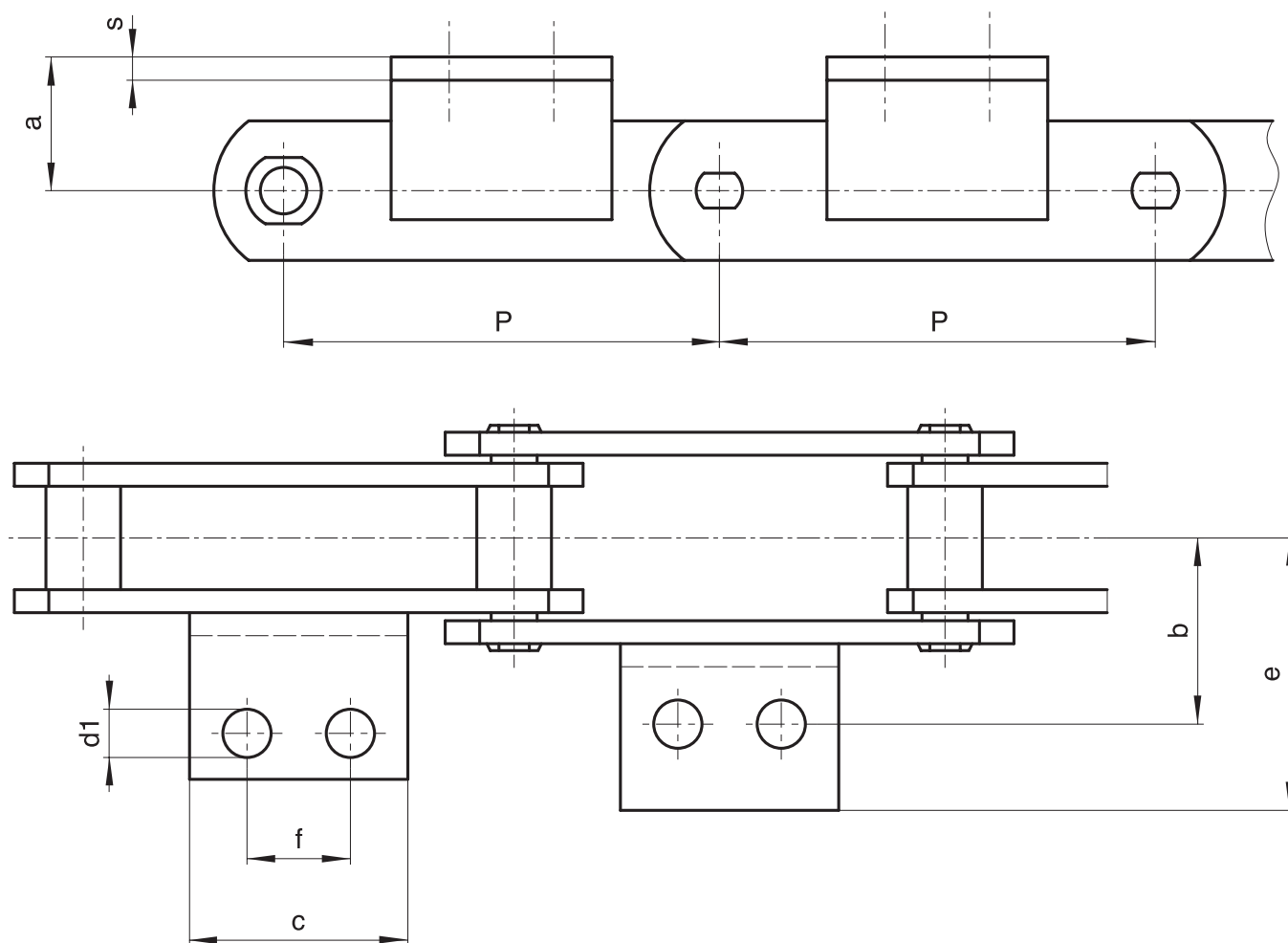
CREATING A CHAIN OF EXCELLENCE



F-SERIES METRIC CHAINS

DIN 8165

HOLLOW PIN CHAIN ATTACHMENTS



DIN No.	Chain No.	P mm	A mm	B mm	C mm	D1 mm	E mm	F mm	Angle mm	Chain Weight Kg/mt			
										Type A	Type B	Type C	Type D
FV40	CC42	50	20	25	45	6.5	64	/	/	2.4	2.9	4	5.6
"	"	63	"	"	45	"	"	25	/	2	2.4	3.3	4.5
"	"	80	"	"	45	"	"	25	/	1.9	2.2	3	3.9
"	"	100	"	"	50	"	"	30	/	1.7	2	2.6	3.3
"	"	125	"	"	60	"	"	30	/	1.6	1.9	2.3	3
FV63	CC64	63	30	34	40	8.4	50	/	30x4	3.8	4.5	6.4	8.9
"	"	80	"	"	45	"	"	25	"	3.2	3.8	5.3	7.2
"	"	100	"	"	50	"	"	30	30x4	3	3.5	4.7	6.2
"	"	125	"	"	60	"	"	40	"	2.7	3	4	5.3
"	"	160	"	"	70	"	"	50	"	2.4	2.7	3.5	4.4

CREATING A CHAIN OF EXCELLENCE

F-SERIES METRIC CHAINS

DIN 8165

HOLLOW PIN CHAIN ATTACHMENTS

DIN No.	Chain No.	P mm	A mm	B mm	C mm	D1 mm	E mm	F mm	Angle mm	Chain Weight Kg/mt			
										Type A	Type B	Type C	Type D
FV90	CC100	63	35	40	30	8.4	64	/	/	5.6	6.8	10	14.7
"	"	80	"	"	45	"	"	25	/	5.1	6	8.6	12.3
"	"	100	"	"	50	"	"	30	/	4.5	5.3	7.3	10.3
"	"	125	"	"	60	"	"	40	/	4.2	4.8	6.5	8.8
"	"	160	"	"	70	"	"	50	/	4	4.5	5.8	7.6
"	"	200	"	"	80	"	"	60	/	3.5	3.8	4.8	5.8
"	"	250	"	"	85	"	"	65	/	3.4	3.7	4.6	5.4
FV112	CC120	100	40	50	50	11	70	30	40x6	6.7	7.7	11.2	18.8
"	"	125	"	"	65	"	"	40	"	6	6.8	9.6	15.7
"	"	160	"	"	75	"	"	50	"	5.5	6.1	8.3	13
"	"	200	"	"	90	"	"	65	"	5.2	5.7	7.5	11.3
"	"	250	"	"	105	"	"	80	"	4.9	5.3	6.7	9.8
FV140	CC145	100	45	50	55	11	81	30	50x6	8.2	9.5	14.3	21.4
"	"	125	"	"	65	"	"	40	"	7.4	8.5	12.3	18
"	"	160	"	"	75	"	"	50	"	6.7	7.5	10.5	14.9
"	"	200	"	"	90	"	"	65	"	6	6.7	9	12.8
"	"	250	"	"	105	"	"	80	"	5.8	6.3	8.3	11
FV180	CC190	125	45	64	63	13	91	35	50x7	10.5	12.4	18.9	31.3
"	"	160	"	"	80	"	"	50	"	10.2	11.7	16.7	26.5
"	"	200	"	"	95	"	"	65	"	9.6	10.8	14.8	25.9
"	"	250	"	"	110	"	"	80	"	8.9	9.8	13	19.3
"	"	315	"	"	130	"	"	100	"	8.3	9	11.6	16.6
FV250	CC275	160	55	69	80	14	106	50	60x8	13.4	16.4	23.8	45.9
"	"	200	"	"	95	"	"	65	"	12.3	14.7	20.6	38.3
"	"	250	"	"	110	"	"	80	"	11.3	13.3	17.9	32.1
"	"	315	"	"	130	"	"	100	"	10.5	12	15.8	27
"	"	400	"	"	130	"	"	100	"	9.8	10.7	13.9	23.8
FV315	CC370	160	60	85	50	14	130		70x10	20.4	24.9	33.3	67.8
"	"	200	"	"	95	"	"	65	"	18.5	22.1	28.9	56.4
"	"	250	"	"	110	"	"	80	"	17	20	25.3	47.3
"	"	315	"	"	130	"	"	100	"	15.9	18.2	22.4	39.9
"	"	400	"	"	130	"	"	100	"	15	16.8	20.2	34

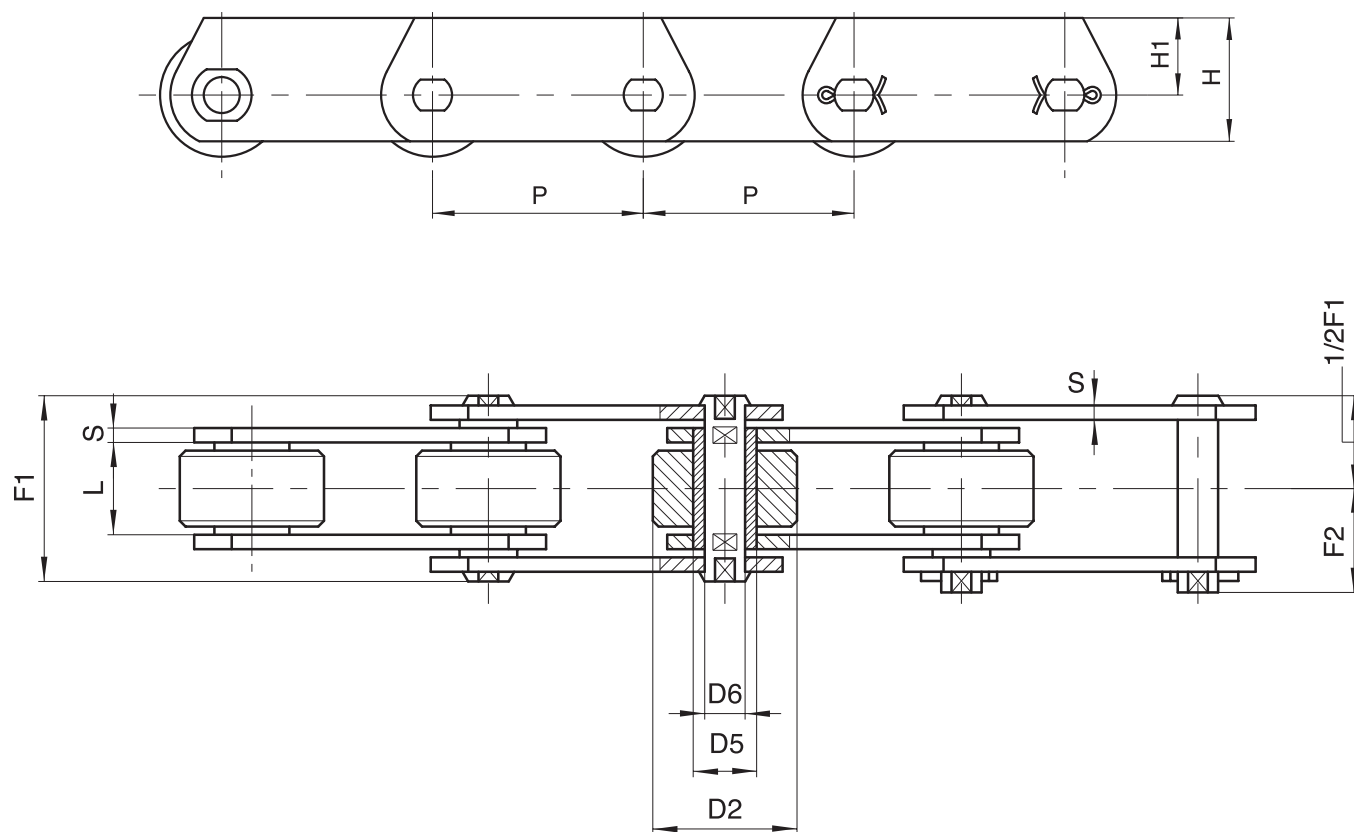
CREATING A CHAIN OF EXCELLENCE



F-SERIES METRIC CHAINS

DIN 8165

DEEP LINK CHAINS



DIN No.	Chain No.	P mm	L mm	D2 mm	D5 mm	D6 mm	H mm	H1 mm	S mm	F1 mm	F2 mm	Breaking Load kN	Breaking load kN*
FVT40	CE42	50	18	32	15	10	35	22.5	3	36	21	42	47
35	35	63	18	32	15	10	35	22.5	3	36	21	42	47
35	35	80	18	32	15	10	35	22.5	3	36	21	42	47
35	35	100	18	32	15	10	35	22.5	3	36	21	42	47
35	35	125	18	32	15	10	35	22.5	3	36	21	42	47
FVT63	CE64	63	22	40	18	12	40	25	4	45	26	65	75
35	35	80	22	40	18	12	40	25	4	45	26	65	75
35	35	100	22	40	18	12	40	25	4	45	26	65	75
35	35	125	22	40	18	12	40	25	4	45	26	65	75
35	35	160	22	40	18	12	40	25	4	45	26	65	75

CREATING A CHAIN OF EXCELLENCE

F-SERIES METRIC CHAINS

DIN 8165

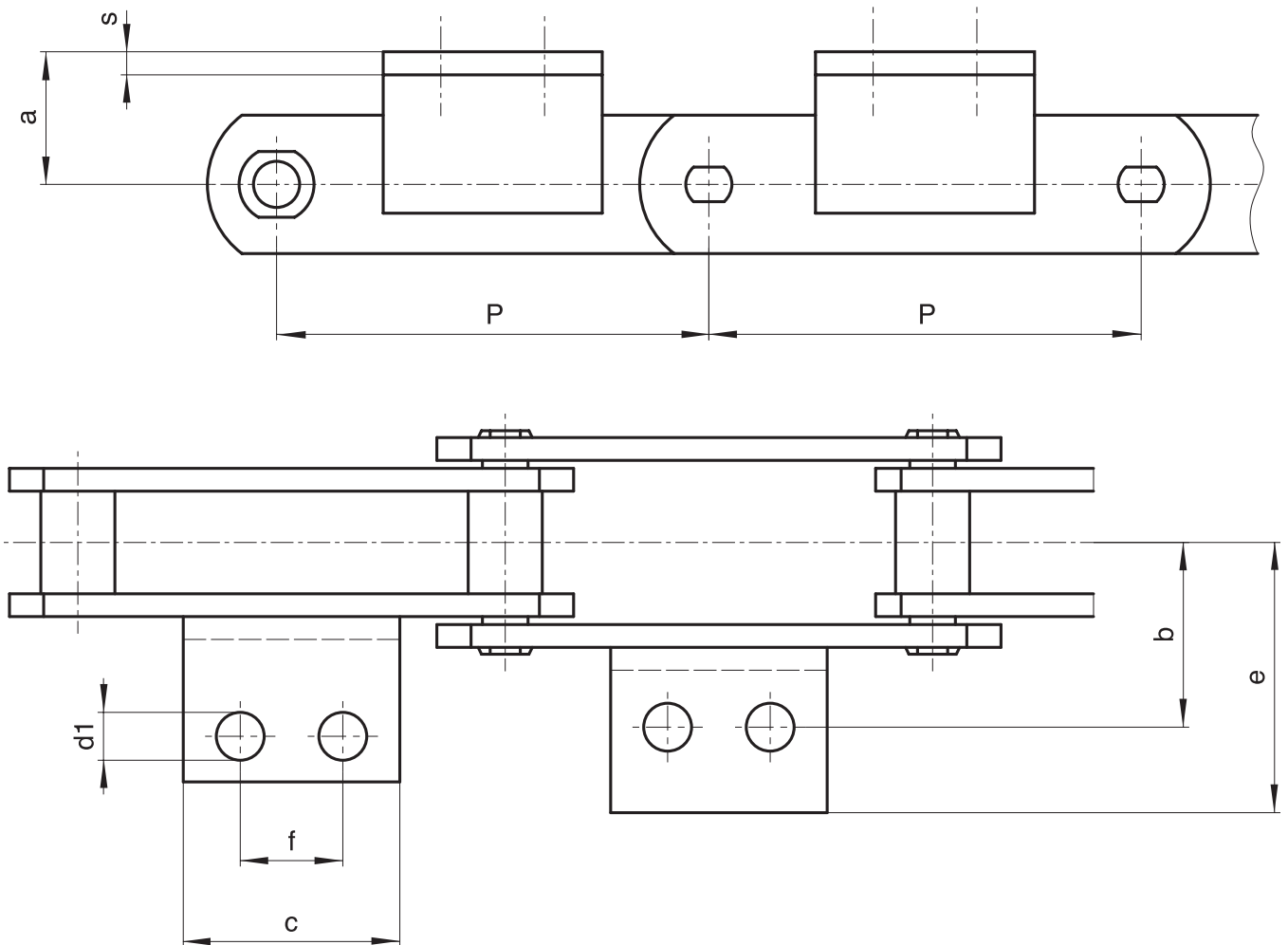
DEEP LINK CHAINS

DIN No.	Chain No.	P mm	L mm	D2 mm	D5 mm	D6 mm	H mm	H1 mm	S mm	F1 mm	F2 mm	Breaking Load kN	Breaking load kN*
FVT90	CE100	63	25	48	20	14	45	27.5	5	53	30	100	115
95	95	80	30	55	22	16	50	30	6	62	35	120	170
95	95	100	35	60	25	18	60	37.5	6	67	38	145	180
95	95	125	40	70	30	20	70	45	8	86	49	190	250
95	95	160	50	80	36	26	80	50	8	97	55	275	300
95	95	200	60	90	42	30	90	55	10	126	65	370	480
95	95	250	75	110	50	36	110	65	12	156	78	475	600
95	95	315	90	130	60	42	130	78	15	196	95	590	750
95	95	400	110	160	75	50	160	95	18	256	115	745	950
95	95	500	140	200	95	60	200	115	22	326	140	930	1175
95	95	630	175	250	120	75	250	140	28	416	175	1175	1475
95	95	800	220	320	150	90	320	175	35	526	220	1475	1875
95	95	1000	280	400	190	110	400	220	45	676	280	1875	2375
95	95	1250	350	500	240	140	500	280	55	856	350	2375	2975
95	95	1600	450	630	315	180	630	350	70	1086	450	2975	3775
95	95	2000	560	800	400	220	800	450	85	1376	560	3775	4775
95	95	2500	700	1000	500	280	1000	560	105	1726	700	4775	5975
95	95	3150	875	1250	630	350	1250	700	125	2126	875	5975	7475
95	95	4000	1100	1600	800	450	1600	875	155	2676	1100	7475	9475
95	95	5000	1400	2000	1000	560	2000	1100	195	3376	1400	9475	11975
95	95	6300	1750	2500	1250	700	2500	1400	245	4276	1750	11975	15275
95	95	8000	2200	3200	1600	900	3200	1750	305	5376	2200	15275	19475
95	95	10000	2800	4000	2000	1100	4000	2200	375	6776	2800	19475	24775
95	95	12500	3500	5000	2500	1400	5000	2800	465	8576	3500	24775	31275
95	95	16000	4500	6300	3150	1800	6300	3500	585	10876	4500	31275	39775
95	95	20000	5600	8000	4000	2200	8000	4500	725	13776	5600	39775	50275
95	95	25000	7000	10000	5000	2800	10000	5600	905	17276	7000	50275	63775
95	95	31500	8750	12500	6300	3500	12500	7000	1125	21276	8750	63775	80775
95	95	40000	11000	16000	8000	4500	16000	8750	1405	26776	11000	80775	102775
95	95	50000	14000	20000	10000	5600	20000	11000	1755	33776	14000	102775	129775
95	95	63000	17500	25000	12500	7000	25000	14000	2155	42776	17500	129775	164775
95	95	80000	22000	32000	16000	9000	32000	17500	2705	53776	22000	164775	209775
95	95	100000	28000	40000	20000	11000	40000	22000	3355	67776	28000	209775	269775
95	95	125000	35000	50000	25000	14000	50000	28000	4155	85776	35000	269775	339775
95	95	160000	45000	63000	31500	18000	63000	35000	5155	108776	45000	339775	434775
95	95	200000	56000	80000	40000	22000	80000	45000	6355	137776	56000	434775	554775
95	95	250000	70000	100000	50000	28000	100000	56000	7955	172776	70000	554775	709775
95	95	315000	87500	125000	63000	35000	125000	70000	9955	212776	87500	709775	904775
95	95	400000	110000	160000	80000	45000	160000	87500	12455	267776	110000	904775	1154775
95	95	500000	140000	200000	100000	56000	200000	110000	15655	337776	140000	1154775	1464775
95	95	630000	175000	250000	125000	70000	250000	140000	19655	427776	175000	1464775	1864775
95	95	800000	220000	320000	160000	90000	320000	175000	24655	537776	220000	1864775	2364775
95	95	1000000	280000	400000	200000	110000	400000	220000	30655	677776	280000	2364775	2994775
95	95	1250000	350000	500000	250000	140000	500000	280000	38655	857776	350000	2994775	3794775
95	95	1600000	450000	630000	315000	180000	630000	350000	48655	1087776	450000	3794775	4844775
95	95	2000000	560000	800000	400000	220000	800000	450000	60655	1377776	560000	4844775	6144775
95	95	2500000	700000	1000000	500000	280000	1000000	560000	75655	1727776	700000	6144775	7794775
95	95	3150000	875000	1250000	630000	350000	1250000	700000	93655	2127776	875000	7794775	9894775
95	95	4000000	1100000	1600000	800000	450000	1600000	875000	116655	2677776	1100000	9894775	12594775
95	95	5000000	1400000	2000000	1000000	560000	2000000	1100000	145655	3377776	1400000	12594775	15944775
95	95	6300000	1750000	2500000	1250000	700000	2500000	1400000	180655	4277776	1750000	15944775	20144775
95	95	8000000	2200000	3200000	1600000	900000	3200000	1750000	225655	5377776	2200000	20144775	25644775
95	95	10000000	2800000	4000000	2000000	1100000	4000000	2200000	280655	6777776	2800000	25644775	32644775
95	95	12500000	3500000	5000000	2500000	1400000	5000000	2800000	350655	8577776	3500000	32644775	41144775
95	95	16000000	4500000	6300000	3150000	1800000	6300000	3500000	440655	10877776	4500000	41144775	52144775
95	95	20000000	5600000	8000000	4000000	2200000	8000000	4500000	540655	13777776	5600000	52144775	66644775
95	95	25000000	7000000	10000000	5000000	2800000	10000000	5600000	660655	17277776	7000000	66644775	84644775
95	95	31500000	8750000	12500000	6300000	3500000	12500000	7000000	810655	21277776	8750000	84644775	107644775
95	95	40000000	11000000	16000000	8000000	4500000	16000000	8750000	990655	26777776	11000000	107644775	137644775
95	95	50000000	14000000	20000000	10000000	5600000	20000000	11000000	1230655	33777776	14000000	137644775	174644775
95	95	63000000	17500000	25000000	12500000	7000000	25000000	14000000	1530655	42777776	17500000	174644775	224644775
95	95	80000000	22000000	32000000	16000000	9000000	32000000	17500000	1880655	53777776	22000000	224644775	289644775
95	95	100000000	28000000	40000000	20000000	11000000	40000000	22000000	2330655	67777776	28000000	289644775	369644775
95	95	125000000	35000000	50000000	25000000	14000000	50000000	28000000	2880655	85777776	35000000	369644775	469644775
95	95	160000000	45000000	63000000	31500000	18000000	63000000	35000000	3580655	108777776	45000000	469644775	599644775
95	95	200000000	56000000	80000000	40000000	22000000	80000000	45000000	4430655	137777776	56000000	599644775	764644775
95	95	250000000	70000000	100000000	50000000	28000000	100000000	56000000	5430655	172777776	70000000	764644775	984644775
95	95	315000000	87500000	125000000	63000000	35000000	125000000	70000000	6630655	212777776	87500000	984644775	1259644775
95	95	400000000	110000000	160000000	80000000	45000000	160000000	87500000	8030655	267777776	110000000	1259644775	1609644775
95	95	500000000	140000000	200000000	100000000	56000000	200000000	110000000	9630655	337777776	140000000	1609644775	2039644775
95	95	630000000	175000000	250000000	125000000	70000000	250000000	140000000	11630655	427777776	175000000	2039644775	2589644775
95	95	800000000	220000000	320000000	160000000	90000000	320000000	175000000	14130655	537777776	220000000	2589644775	3339644775
95	95	1000000000	280000000	400000000	200000000	110000000	400000000	220000000	17130655	677777776	280000000	3339644775	4289644775
95	95	1250000000	350000000	500000000	250000000	140000000	500000000	280000000	20630655	857777776	350000000	4289644775	5439644775
95	95	1600000000	450000000	630000000	315000000	180000000	630000000	350000000	25130655	1087777776	450000000	5439644775	6989644775
95	95	2000000000	560000000	800000000	400000000	220000000	800000000	450000000	30130655	1377777776	560000000	6989644775	8989644775
95	95	2500000000	700000000	1000000000	500000000	280000000	1000000000	560000000	35630655	1727777776	700000000	8989644775	11489644775
95	95	3150000000	875000000	1250000000	630000000	350000000	1250000000	700000000	42630655	2127777776	875000000	11489644775	14689644775
95	95	4000000000	1100000000	1600000000	800000000	450000000	1600000000	875000000	50130655	2677777776	1100000000	14689644775	18689644775
95	95	5000000000	1400000000	2000000000	1000000000	560000000	2000000000	1100000000	59130655	3377777776	1400000000	18689644775	23689644775
95	95	6300000000	1750000000	2500000000	1250000000	700000000	2500000000	140000000					

F-SERIES METRIC CHAINS

DIN 8165

DEEP LINK CHAIN ATTACHMENTS



DIN No.	Chain No.	P mm	A mm	B mm	C mm	D1 mm	E mm	F mm	Angle mm	Chain Weight Kg/mt			
										Type A	Type B	Type C	Type D
FV40	CE42	50	20	25	45	6.5	64	/	/	2.4	2.9	4	5.6
"	"	63	"	"	45	"	"	25	/	2	2.4	3.3	4.5
"	"	80	"	"	45	"	"	25	/	1.9	2.2	3	3.9
"	"	100	"	"	50	"	"	30	/	1.7	2	2.6	3.3
"	"	125	"	"	60	"	"	30	/	1.6	1.9	2.3	3
FV63	CE64	63	30	34	40	8.4	50		30x4	3.8	4.5	6.4	8.9
"	"	80	"	"	45	"	"	25	/	3.2	3.8	5.3	7.2
"	"	100	"	"	50	"	"	30	30x4	3	3.5	4.7	6.2
"	"	125	"	"	60	"	"	40	"	2.7	3	4	5.3
"	"	160	"	"	70	"	"	50	"	2.4	2.7	3.5	4.4

CREATING A CHAIN OF EXCELLENCE

F-SERIES METRIC CHAINS

DIN 8165

DEEP LINK CHAIN ATTACHMENTS

DIN No.	Chain No.	P mm	A mm	B mm	C mm	D1 mm	E mm	F mm	Angle mm	Chain Weight Kg/mt			
										Type A	Type B	Type C	Type D
FV90	CE100	63	35	40	30	8.4	64	/	/	5.6	6.8	10	14.7
"	"	80	"	"	45	"	"	25	/	5.1	6	8.6	12.3
"	"	100	"	"	50	"	"	30	/	4.5	5.3	7.3	10.3
"	"	125	"	"	60	"	"	40	/	4.2	4.8	6.5	8.8
"	"	160	"	"	70	"	"	50	/	4	4.5	5.8	7.6
"	"	200	"	"	80	"	"	60	/	3.5	3.8	4.8	5.8
"	"	250	"	"	85	"	"	65	/	3.4	3.7	4.6	5.4
FV112	CE120	100	40	50	50	11	70	30	40x6	6.7	7.7	11.2	18.8
"	"	125	"	"	65	"	"	40	"	6	6.8	9.6	15.7
"	"	160	"	"	75	"	"	50	"	5.5	6.1	8.3	13
"	"	200	"	"	90	"	"	65	"	5.2	5.7	7.5	11.3
"	"	250	"	"	105	"	"	80	"	4.9	5.3	6.7	9.8
FV140	CE145	100	45	50	55	11	81	30	50x6	8.2	9.5	14.3	21.4
"	"	125	"	"	65	"	"	40	"	7.4	8.5	12.3	18
"	"	160	"	"	75	"	"	50	"	6.7	7.5	10.5	14.9
"	"	200	"	"	90	"	"	65	"	6	6.7	9	12.8
"	"	250	"	"	105	"	"	80	"	5.8	6.3	8.3	11
FV180	CE190	125	45	64	63	13	91	35	50x7	10.5	12.4	18.9	31.3
"	"	160	"	"	80	"	"	50	"	10.2	11.7	16.7	26.5
"	"	200	"	"	95	"	"	65	"	9.6	10.8	14.8	25.9
"	"	250	"	"	110	"	"	80	"	8.9	9.8	13	19.3
"	"	315	"	"	130	"	"	100	"	8.3	9	11.6	16.6
FV250	CE275	160	55	69	80	14	106	50	60x8	13.4	16.4	23.8	45.9
"	"	200	"	"	95	"	"	65	"	12.3	14.7	20.6	38.3
"	"	250	"	"	110	"	"	80	"	11.3	13.3	17.9	32.1
"	"	315	"	"	130	"	"	100	"	10.5	12	15.8	27
"	"	400	"	"	130	"	"	100	"	9.8	10.7	13.9	23.8
FV315	CE370	160	60	85	50	14	130		70x10	20.4	24.9	33.3	67.8
"	"	200	"	"	95	"	"	65	"	18.5	22.1	28.9	56.4
"	"	250	"	"	110	"	"	80	"	17	20	25.3	47.3
"	"	315	"	"	130	"	"	100	"	15.9	18.2	22.4	39.9
"	"	400	"	"	130	"	"	100	"	15	16.8	20.2	34

CREATING A CHAIN OF EXCELLENCE



NOTES

[illegible]

NOTES

[illegible]



NATIONAL CHAINS

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