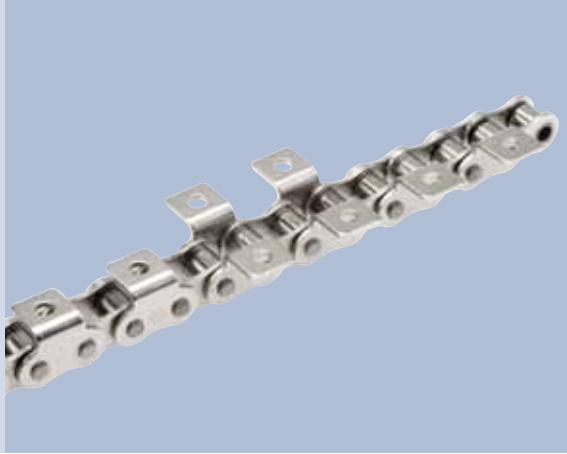




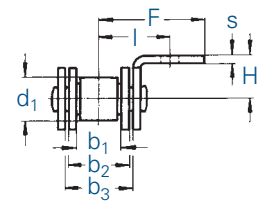
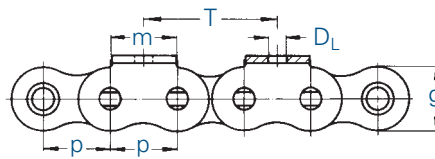
# ROLLER CHAINS WITH SINGLE HOLE BENT ATTACHMENTS

Main dimensions according to DIN 8187, DIN 8188 and works-standard



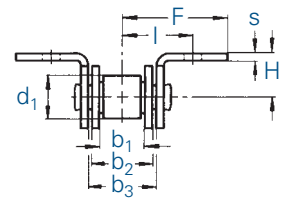
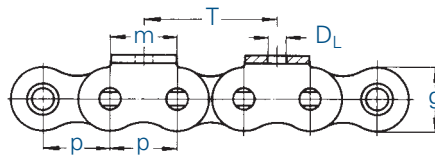
## Type A

bent attachments, one side



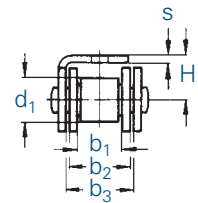
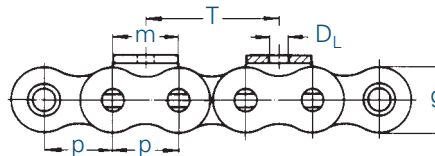
## Type B

bent attachments, both sides



## Type C

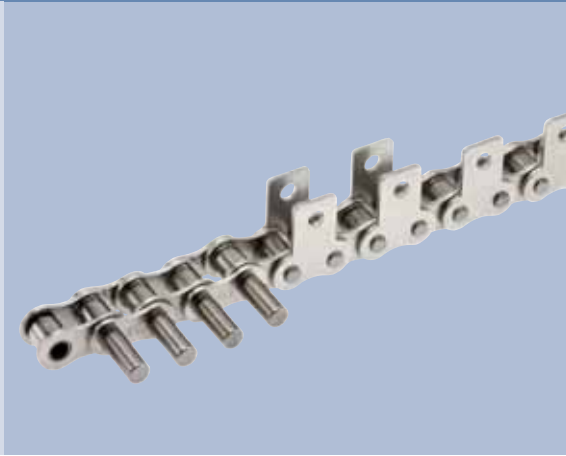
bent over chain attachments, one side



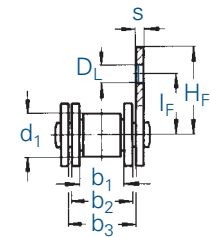
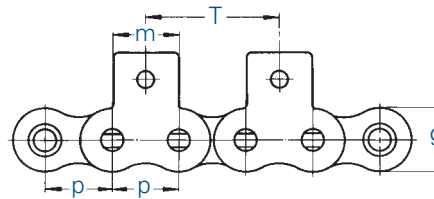
Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions					
No.	Ind.	p		b <sub>1</sub> min.	b <sub>2</sub> max.	b <sub>3</sub> min.	d <sub>1</sub> max.	g max.	m	D <sub>L</sub>	I	F	H	s
		mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
450		8,0	-	3,00	4,77	4,90	5,00	7,1	8,0	3,2	6,6	12,0	5,0	0,80
455	<sup>1,15</sup>	9,525	3/8	5,72	8,53	8,66	6,35	8,2	8,0	3,5	9,5	13,5	6,5	1,25
331	<sup>17</sup>	12,7	1/2	3,30	5,80	5,93	7,75	9,9	10,5	3,5	9,0	15,1	7,0	0,95
332	<sup>17</sup>	12,7	1/2	4,88	7,20	7,33	7,75	9,9	10,5	3,5	9,7	15,8	7,0	0,95
462	<sup>15</sup>	12,7	1/2	7,75	11,30	11,43	8,51	11,8	12,5	4,5	13,1	19,0	10,0	1,50
501	<sup>15</sup>	15,875	5/8	9,65	13,28	13,41	10,16	14,7	15,0	5,5	16,7	27,0	10,0	1,70
513	<sup>15</sup>	19,05	3/4	11,68	15,62	15,75	12,07	16,1	18,5	6,6	18,6	29,0	11,0	1,80
548	<sup>15,16</sup>	25,4	1	17,02	25,40	25,60	15,88	21,0	25,0	9,0	28,9	41,8	18,0	3,00
563		31,75	1 1/4	19,56	29,00	29,20	19,05	26,4	35,0	9,0	33,4	49,0	18,0	3,75
596		38,1	1 1/2	25,40	37,90	38,20	25,40	33,4	38,0	11,0	44,0	64,0	25,0	5,00
613		44,45	1 3/4	30,99	46,50	46,80	27,94	37,0	45,0	14,0	54,1	78,0	32,0	6,00
652		50,8	2	30,99	45,50	45,80	29,21	42,2	50,0	14,0	54,0	76,3	35,0	6,00
40	<sup>15</sup>	12,7	1/2	7,85	11,15	11,28	7,95	12,0	10,5	3,5	12,7	17,9	7,9	1,50
50	<sup>15</sup>	15,875	5/8	9,40	13,80	13,93	10,16	15,0	12,7	5,2	15,9	23,9	10,3	2,00
60	<sup>15</sup>	19,05	3/4	12,57	17,70	17,85	11,91	18,0	15,9	5,2	19,1	28,2	11,9	2,40
80	<sup>15</sup>	25,4	1	15,75	22,50	22,70	15,88	24,1	19,1	6,7	25,4	37,3	15,9	3,20

<sup>1</sup> with straight side plates    <sup>15</sup> also with single hole bent attachments on inner link    <sup>16</sup> on inner link s = 4    <sup>17</sup> can also be supplied with m = 16

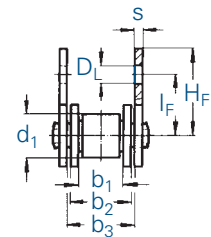
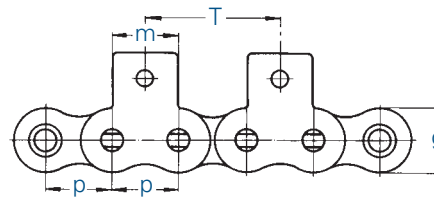
All designs can also be supplied as Marathon roller chains (maintenance-free), Biathlon and Biathlon KS!  
For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.



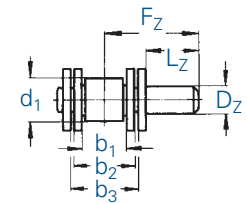
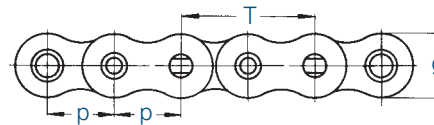
**Type D**  
straight attachments, one side



**Type E**  
straight attachments, both sides



**Type F**  
extended pins (available on alternate sides)



Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions							
No.	Ind.	p		b <sub>1</sub> min.	b <sub>2</sub> max.	b <sub>3</sub> min.	d <sub>1</sub> max.	g max.	m	D <sub>L</sub>	I <sub>F</sub>	H <sub>F</sub>	s	D <sub>Z</sub> <sup>19</sup> h9	L <sub>Z</sub> <sup>19</sup>	F <sub>Z</sub> <sup>19</sup>
		mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
450		8,0	-	3,00	4,77	4,90	5,00	7,1	8,0	3,2	7,5	13,00	0,80	4,0	10,0	13,3
455	<sup>1,18</sup>	9,525	3/8	5,72	8,53	8,66	6,35	8,2	8,0	3,5	9,0	13,80	1,25	5,0	15,0	20,7
331	<sup>17</sup>	12,7	1/2	3,30	5,80	5,93	7,75	9,9	10,5	3,5	11,5	17,65	0,95	5,0	15,0	19,0
332	<sup>17</sup>	12,7	1/2	4,88	7,20	7,33	7,75	9,9	10,5	3,5	11,5	17,65	0,95	5,0	15,0	19,7
462	<sup>18</sup>	12,7	1/2	7,75	11,30	11,43	8,51	11,8	12,5	4,5	14,7	20,30	1,50	6,0	15,0	22,4
501	<sup>18</sup>	15,875	5/8	9,65	13,28	13,41	10,16	14,7	15,0	5,5	17,2	26,70	1,70	6,5	20,0	28,5
513	<sup>18</sup>	19,05	3/4	11,68	15,62	15,75	12,07	16,1	18,5	6,6	18,7	29,00	1,80	7,0	20,0	29,8
548	<sup>16,18</sup>	25,4	1	17,02	25,40	25,60	15,88	21,0	25,0	9,0	28,6	41,50	3,00	10,0	30,0	45,9
563		31,75	1 1/4	19,56	29,00	29,20	19,05	26,4	35,0	9,0	30,5	46,00	3,75	12,0	30,0	48,4
596		38,1	1 1/2	25,40	37,90	38,20	25,40	33,4	38,0	11,0	41,0	60,00	5,00	16,0	35,0	59,1
613		44,45	1 3/4	30,99	46,50	46,80	27,94	37,0	45,0	14,0	52,5	75,50	6,00	20,0	40,0	69,0
652		50,8	2	30,99	45,50	45,80	29,21	42,2	50,0	14,0	53,5	77,00	6,00	20,0	40,0	69,0
40	<sup>18</sup>	12,7	1/2	7,85	11,15	11,28	7,95	12,0	10,5	3,5	11,5	17,65	1,50	5,0	15,0	22,2
50	<sup>18</sup>	15,875	5/8	9,40	13,80	13,93	10,16	15,0	12,7	5,2	15,9	23,50	2,00	5,08	11,9	21,1
60	<sup>18</sup>	19,05	3/4	12,57	17,70	17,85	11,91	18,0	15,9	5,2	18,3	27,20	2,40	5,94	14,3	25,8
80	<sup>18</sup>	25,4	1	15,75	22,50	22,70	15,88	24,1	19,1	6,7	24,6	35,50	3,20	7,92	19,1	33,7

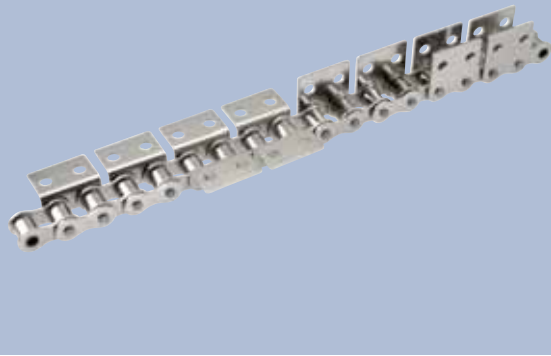
<sup>1</sup> with straight side plates    <sup>16</sup> on inner link s = 4    <sup>17</sup> can also be supplied with m = 16    <sup>18</sup> also with straight attachments on inner link  
<sup>19</sup> other dimensions available on request

All designs can also be supplied as Marathon roller chains (maintenance-free), Biathlon and Biathlon KS!  
 For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.

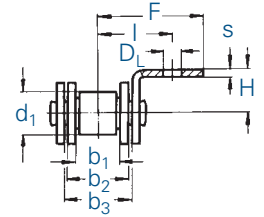
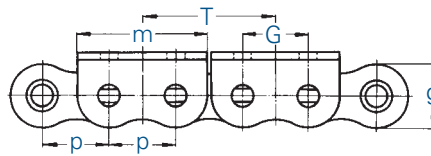


# ROLLER CHAINS WITH TWO-HOLE BENT AND STRAIGHT ATTACHMENTS

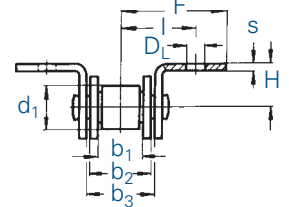
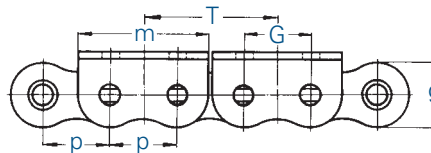
Main dimensions according to DIN 8187



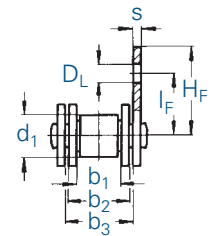
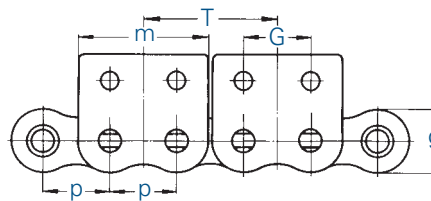
## Type A2 bent attachments, one side



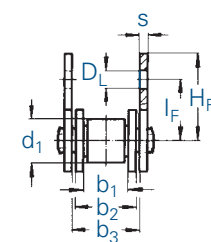
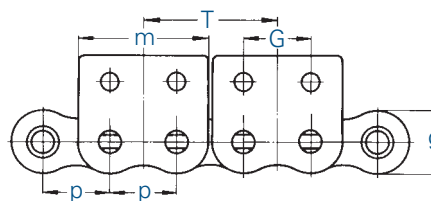
## Type B2 bent attachments, both sides



## Type D2 straight attachments, one side



## Type E2 straight attachments, both sides



Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions								
No.	Ind.	p		b <sub>1</sub> min.	b <sub>2</sub> max.	b <sub>3</sub> min.	d <sub>1</sub> max.	g max.	m	D <sub>L</sub>	G	I	F	H	I <sub>F</sub>	H <sub>F</sub>	s
		mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
455	<sup>1,20</sup>	9,525	3/8	5,72	8,53	8,66	6,35	8,2	18,2	3,2	9,5	9,8	13,2	5,7	9,2	12,6	1,25
462		12,7	1/2	7,75	11,30	11,43	8,51	11,8	23,2	4,5	12,7	13,1	19,0	10,0	14,7	20,3	1,50
501		15,875	5/8	9,65	13,28	13,41	10,16	14,7	28,5	5,5	15,9	16,7	27,0	10,0	17,2	26,7	1,70
513		19,05	3/4	11,68	15,62	15,75	12,07	16,1	33,6	6,6	19,1	18,6	29,0	11,0	18,7	29,0	1,80
548		25,4	1	17,02	25,40	25,60	15,88	21,0	46,5	9,0	25,4	28,9	42,0	18,0	28,6	41,5	3,00
563		31,75	1 1/4	19,56	29,00	29,20	19,05	26,4	55,8	9,0	31,8	33,4	49,0	18,0	30,5	46,0	3,75
596		38,1	1 1/2	25,40	37,90	38,20	25,40	33,4	71,1	11,0	38,1	44,0	64,0	25,0	41,0	60,0	5,00

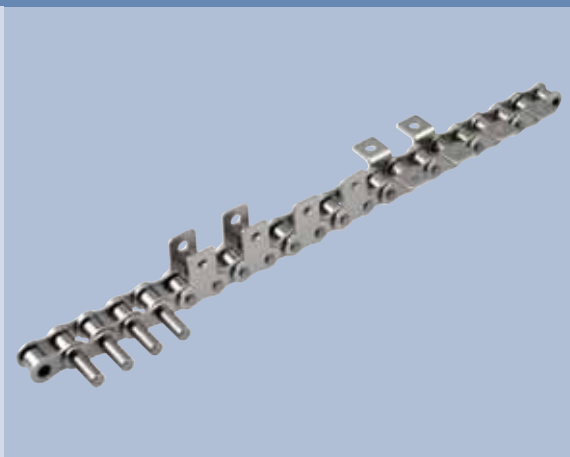
### Roller chains (stainless steel) with two-hole bent and straight attachments

455 RF	<sup>1,20</sup>	9,525	3/8	5,72	8,53	8,66	6,35	8,2	18,2	3,2	9,5	9,8	13,2	5,7	9,2	12,6	1,25
462 RF		12,7	1/2	7,75	11,30	11,43	8,51	11,8	23,2	4,5	12,7	13,1	19,0	10,0	14,7	20,3	1,60
501 RF		15,875	5/8	9,65	13,28	13,41	10,16	14,7	28,5	5,5	15,9	16,7	27,0	10,0	17,2	26,7	1,70
513 RF		19,05	3/4	11,68	15,62	15,75	12,07	16,1	33,6	6,6	19,1	18,5	29,0	11,0	18,7	29,0	1,80
548 RF		25,4	1	17,02	25,40	25,60	15,88	21,0	46,5	10,0	25,4	28,9	41,8	18,0	28,6	41,5	3,00

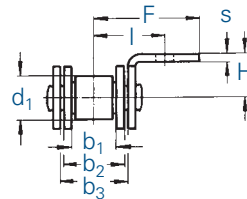
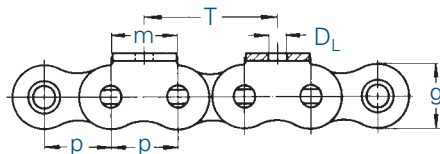
<sup>1</sup> with straight side plates    <sup>20</sup> can be supplied with or without bore

All designs can also be supplied as Marathon roller chains (maintenance-free), Biathlon and Biathlon KS! Sprockets made of stainless steel or plastic are available on request.

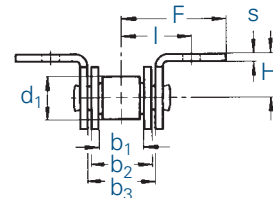
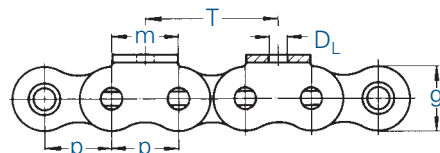
For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.



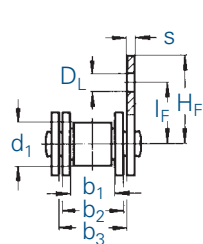
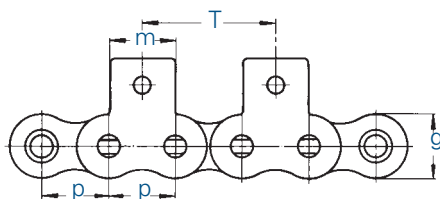
## Type A bent attachments, one side



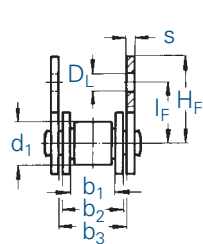
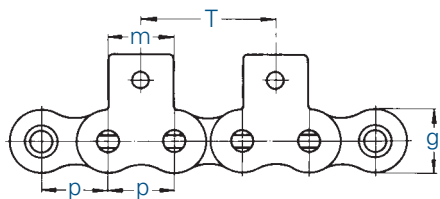
## Type B bent attachments, both sides



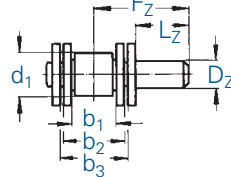
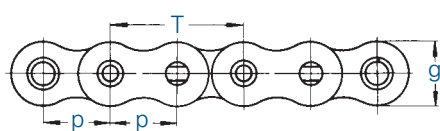
## Type D straight attachments, one side



## Type E straight attachments, both sides



## Type F extended pins (available on alternate sides)



Basic chain		Pitch	Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions										
No.	Ind.	p	b <sub>1</sub> min.	b <sub>2</sub> max.	b <sub>3</sub> min.	d <sub>1</sub> max.	g max.	m	DL	l	F	H	IF	HF	s	Dz <sup>19</sup> h9	Lz <sup>19</sup>	Fz <sup>19</sup>
		450 RF		8,0	3,00	4,77	4,90	5,00	7,1	8,0	3,2	6,6	12,0	5,0	7,5	13,0	0,80	4,0
455 RF	<sup>1,21</sup>	9,525	5,72	8,53	8,66	6,35	8,2	8,0	3,5	9,5	13,5	6,5	9,0	13,4	1,25	5,0	15	20,7
331 RF	<sup>17</sup>	12,7	3,30	5,80	5,93	7,75	9,9	10,5	3,5	9,0	15,1	7,0	11,5	17,7	0,95	5,0	15	19,0
40 RF	<sup>21</sup>	12,7	7,85	11,15	11,28	7,95	12,0	10,5	3,5	11,8	17,9	7,9	11,5	17,7	1,50	5,0	15	22,2
332 RF	<sup>17</sup>	12,7	4,88	7,20	7,33	7,75	9,9	10,5	3,5	9,7	15,8	7,0	11,5	17,7	0,95	5,0	15	19,7
462 RF	<sup>21</sup>	12,7	7,75	11,30	11,43	8,51	11,8	12,5	4,5	13,1	19,0	10,0	14,7	20,3	1,60	6,0	15	22,4
501 RF	<sup>21</sup>	15,875	9,65	13,28	13,41	10,16	14,7	15,0	5,5	16,7	27,0	10,0	17,2	26,7	1,70	6,5	20	28,5
513 RF	<sup>21</sup>	19,05	11,68	15,62	15,75	12,07	16,1	18,5	6,6	18,5	29,0	11,0	18,7	29,0	1,80	7,0	20	29,8
548 RF	<sup>16,21</sup>	25,4	17,02	25,40	25,60	15,88	21,0	25,0	10,0	28,9	41,8	18,0	28,6	41,5	3,00	10,0	30	45,9

<sup>1</sup> with straight side plates    <sup>16</sup> on inner link s = 4    <sup>17</sup> can also be supplied with m = 16    <sup>19</sup> other dimensions available on request

<sup>21</sup> also with single hole bent attachments on inner link

Sprockets made of stainless steel or plastic are available on request.

For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.

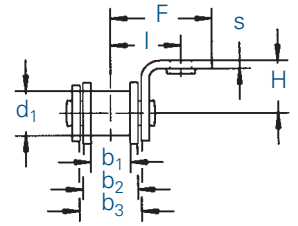
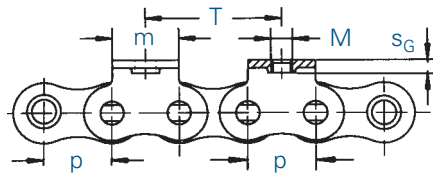


# ROLLER CHAINS WITH SINGLE HOLE ATTACHMENTS AND INSIDE THREAD

Main dimensions according to DIN 8187

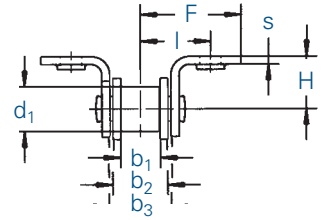
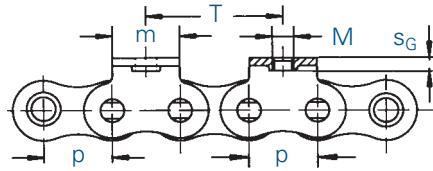
## Type A G

bent attachments, one side



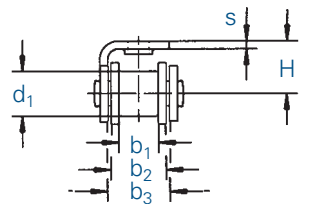
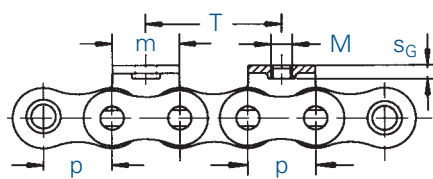
## Type B G

bent attachments, both sides



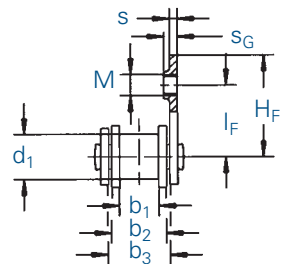
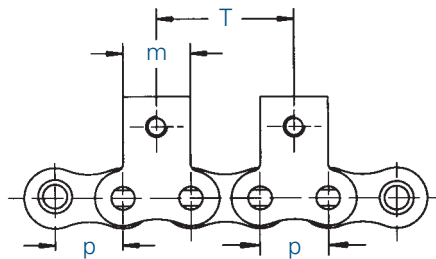
## Type C G

bent over chain attachments, one side



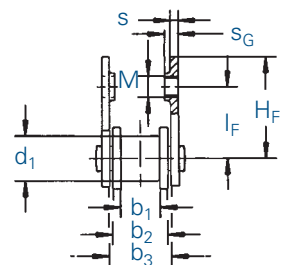
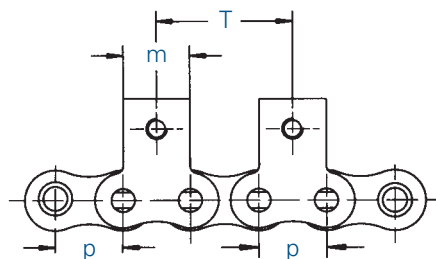
## Type D G

straight attachments, one side



## Type E G

straight attachments, both sides



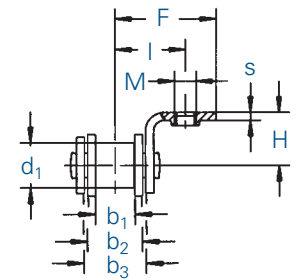
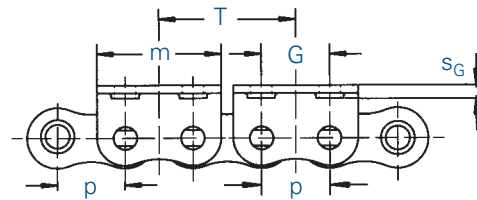
Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions						
									m	Inside thread M	I	F	H	s	s <sub>G</sub>
No.	Ind.	mm	inch	b <sub>1</sub> min.	b <sub>2</sub> max.	b <sub>3</sub> min.	d <sub>1</sub> max.	g max.	mm		mm	mm	mm	mm	mm
462	<sup>22</sup>	12,7	1/2	7,75	11,30	11,43	8,51	11,8	12,5	M 4	13,1	19,0	10	1,50	4,00
501	<sup>22</sup>	15,875	5/8	9,65	13,28	13,41	10,16	14,7	15,0	M 5	16,7	27,0	10	1,70	4,20
513	<sup>22</sup>	19,05	3/4	11,68	15,62	15,75	12,07	16,1	18,5	M 6	18,6	29,0	11	1,80	4,50
548	<sup>22</sup>	25,4	1	17,02	25,40	25,60	15,88	21,0	25,0	M 8	28,9	41,8	18	3,00	7,50

<sup>22</sup> can also be supplied in stainless steel

All designs can also be supplied as Marathon roller chains (maintenance-free), Biathlon and Biathlon KS!  
For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.

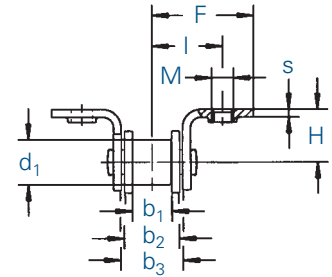
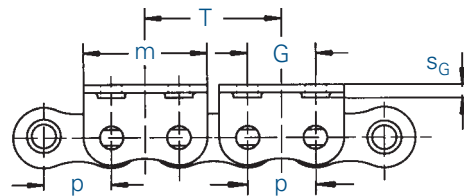
### Type A 2 G

bent attachments, one side



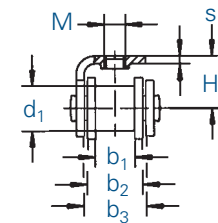
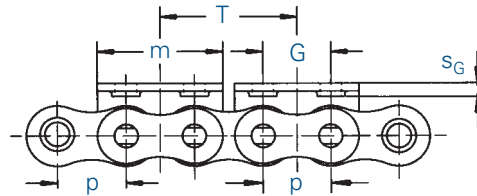
### Type B 2 G

bent attachments, both sides



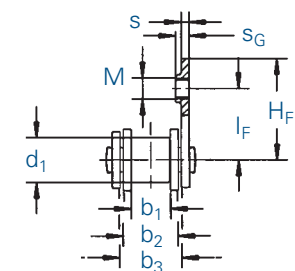
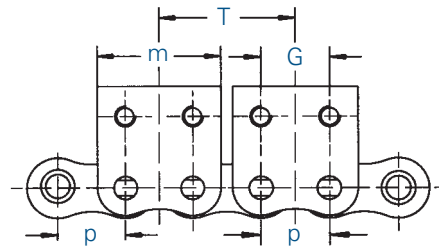
### Type C 2 G

bent over chain attachments, one side



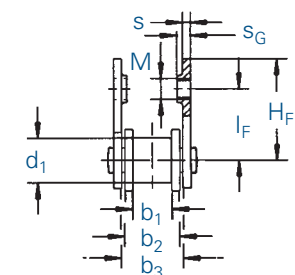
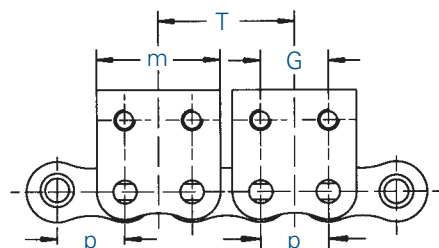
### Type D 2 G

straight attachments, one side



### Type E 2 G

straight attachments, both sides



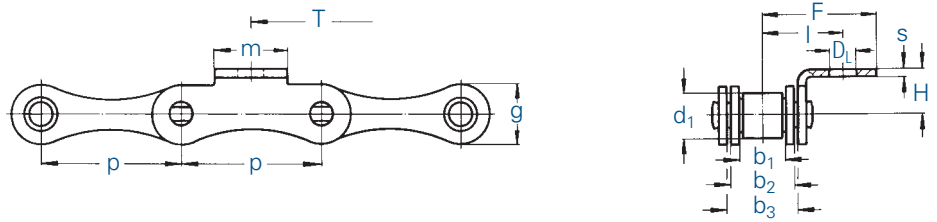
Basic chain	Pitch	Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions										
							m	Inside thread M	G	I	F	H	I <sub>F</sub>	H <sub>F</sub>	s	S <sub>G</sub>	
No.	Ind.	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
462	<sup>22</sup>	12,7	7,75	11,30	11,43	8,51	11,8	23,2	M 4	12,7	13,1	19,0	10	14,7	20,3	1,50	4,00
501	<sup>22</sup>	15,875	9,65	13,28	13,41	10,16	14,7	28,5	M 5	15,9	16,7	27,0	10	17,2	26,7	1,70	4,20
513	<sup>22</sup>	19,05	11,68	15,62	15,75	12,07	16,1	33,6	M 6	19,1	18,5	29,0	11	18,7	29,0	1,80	4,50
548	<sup>22</sup>	25,4	17,02	25,40	25,60	15,88	21,0	46,5	M 8	25,4	28,9	41,8	18	28,6	41,5	3,00	7,50

<sup>22</sup> can also be supplied in stainless steel

All designs can also be supplied as Marathon roller chains (maintenance-free), Biathlon and Biathlon KS!  
For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.

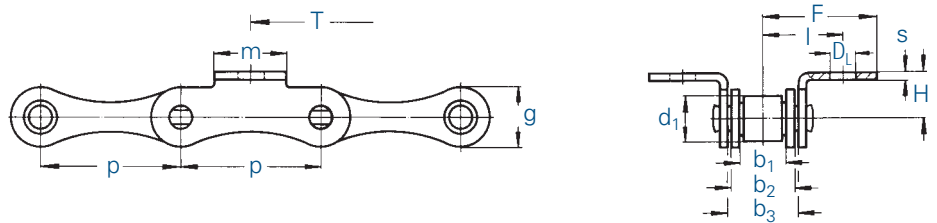
## Type A

bent attachments, one side



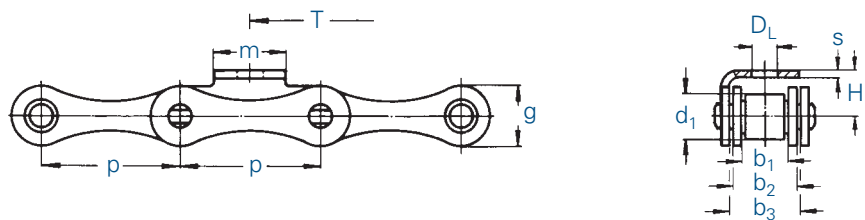
## Type B

bent attachments, both sides



## Type C

bent over chain attachments, one side



Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions					
⚙		p		b <sub>1</sub> min.	b <sub>2</sub> max.	b <sub>3</sub> min.	d <sub>1</sub> max.	g max.	m	D <sub>L</sub>	I	F	H	s
No.	Ind.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
713		25,4	1	7,75	11,30	11,43	8,51	11,8	13,0	4,5	13,1	19,3	10,0	1,60
717		31,75	1 ¼	9,65	13,28	13,41	10,16	14,7	15,0	5,5	16,7	26,7	10,0	1,70
722		38,1	1 ½	11,68	15,62	15,75	12,07	16,1	19,0	6,6	18,5	26,0	11,0	1,80
728		50,8	2	17,02	25,40	25,60	15,88	21,0	30,0	9,0	28,9	43,0	18,0	3,00
734		63,5	2 ½	19,56	29,00	29,20	19,05	28,5	35,0	9,0	33,1	49,6	18,0	3,75

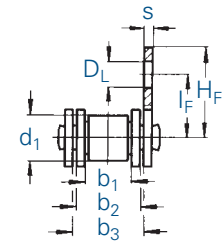
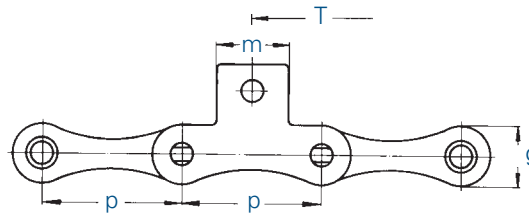
### Double pitch stainless steel roller chains with single hole bent attachments

713 RF		25,4	1	7,75	11,30	11,43	8,51	11,8	13,0	4,5	13,1	19,5	10,0	1,60
717 RF		31,75	1 ¼	9,65	13,28	13,41	10,16	14,7	15,0	5,5	16,7	26,7	10,0	1,70
722 RF		38,1	1 ½	11,68	15,62	15,75	12,07	16,1	19,0	6,6	18,5	26,0	11,0	1,80
728 RF		50,8	2	17,02	25,40	25,60	15,88	21,0	30,0	9,0	28,9	43,0	18,0	3,00

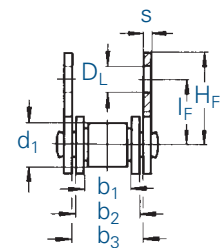
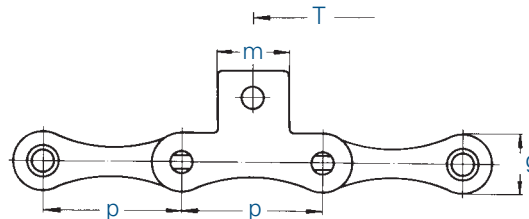
All designs can also be supplied as Marathon roller chains (maintenance-free)!

For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.

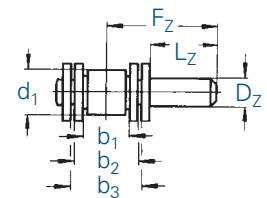
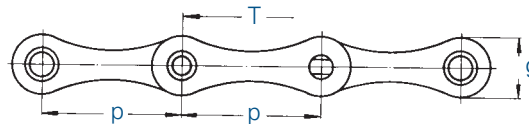
**Type D**  
straight attachments, one side



**Type E**  
straight attachments, both sides



**Type F**  
extended pin  
(available on alternate sides)



Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Plate height	Attachment dimensions							
No.	Ind.	p		b <sub>1</sub> min.	b <sub>2</sub> max.	b <sub>3</sub> min.	d <sub>1</sub> max.	g max.	m	D <sub>L</sub>	I <sub>F</sub>	H <sub>F</sub>	s	D <sub>Z</sub> <sup>19</sup>	L <sub>Z</sub> <sup>19</sup>	F <sub>Z</sub> <sup>19</sup>
		mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
713		25,4	1	7,75	11,30	11,43	8,51	11,8	13,0	4,5	14,7	20,3	1,60	6,0	15,0	22,4
717		31,75	1 ¼	9,65	13,28	13,41	10,16	14,7	15,0	5,5	17,0	26,7	1,70	6,5	20,0	28,5
722		38,1	1 ½	11,68	15,62	15,75	12,07	16,1	19,0	6,6	17,6	26,0	1,80	7,0	20,0	29,8
728		50,8	2	17,02	25,40	25,60	15,88	21,0	30,0	9,0	29,0	42,5	3,00	10,0	30,0	45,9
734		63,5	2 ½	19,56	29,00	29,20	19,05	28,5	35,0	9,0	30,5	45,7	3,75	12,0	30,0	48,4

**Double pitch roller chains (stainless steel) with single hole straight attachments and extended pins**

713 RF		25,4	1	7,75	11,30	11,43	8,51	11,8	13,0	4,5	14,7	20,3	1,60	6,0	15,0	22,4
717 RF		31,75	1 ¼	9,65	13,28	13,41	10,16	14,7	15,0	5,5	17,0	26,7	1,70	6,5	20,0	28,5
722 RF		38,1	1 ½	11,68	15,62	15,75	12,07	16,1	19,0	6,6	17,6	26,0	1,80	7,0	20,0	29,8
728 RF		50,8	2	17,02	25,40	25,60	15,88	21,0	30,0	9,0	29,0	42,5	3,00	10,0	30,0	45,9

<sup>19</sup> can also be supplied in stainless steel

Can also be supplied as Marathon roller chain (maintenance-free)!

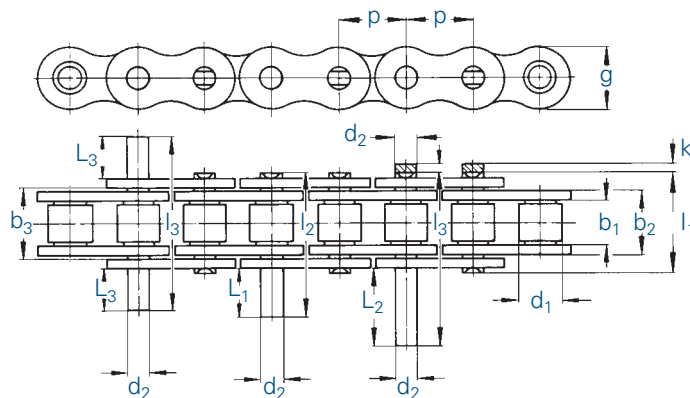
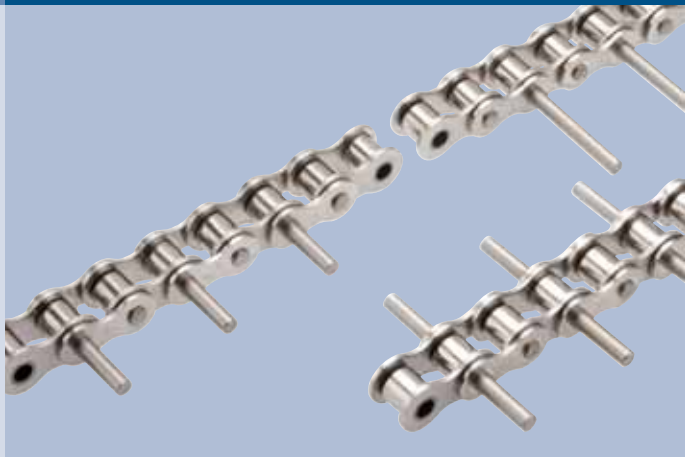
For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.





# ROLLER CHAINS WITH EXTENDED PINS ON ONE SIDE/BOTH SIDES

According to DIN 8187-3, DIN 8188-3 and works-standard



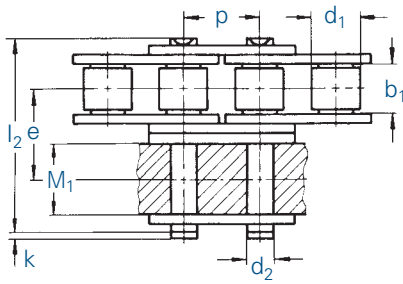
Basic chain		Pitch		Inner width	Inner link width	Outer plate width	Roller Ø	Pin Ø	Projection over connecting link	Plate height	Width over pin	Dimensions for extended pin					
⚙	No.	Ind.	p		b <sub>1</sub> min.	b <sub>2</sub> max.	b <sub>3</sub> min.	d <sub>1</sub> max.	d <sub>2</sub> max.	k max.	g max.	l <sub>1</sub> max.	Overall length		Pin extension		
			mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	l <sub>2</sub> <sup>11</sup> max.	l <sub>3</sub> <sup>12</sup> max.	L <sub>1</sub> max.	L <sub>2</sub> max.
	450		8	-	3,00	4,77	4,90	5,00	2,31	3,1	7,1	8,6	14,3	19,9	6,3	12,2	6,35
	455	<sup>1,10</sup>	9,525	3/8	5,72	8,53	8,66	6,35	3,28	3,3	8,2	13,5	23,1	33,7	11,0	21,6	11,15
	462	<sup>10</sup>	12,7	1/2	7,75	11,30	11,43	8,51	4,45	3,9	11,8	17,0	30,7	44,9	15,3	29,5	15,3
	501	<sup>10</sup>	15,875	5/8	9,65	13,28	13,41	10,16	5,08	4,1	14,7	19,6	36,2	52,8	18,2	34,8	18
	513	<sup>10</sup>	19,05	3/4	11,68	15,62	15,75	12,07	5,72	4,6	16,1	22,7	41,8	61,3	21,0	40,5	20,9
	548	<sup>10</sup>	25,4	1	17,02	25,40	25,60	15,88	8,28	5,4	21,0	36,0	67,5	99,3	33,6	65,4	33,7
	552	<sup>10</sup>	30	-	17,02	25,40	25,60	15,88	8,28	5,4	21,0	36,0	67,5	99,3	33,6	65,4	33,7
	563		31,75	1 1/4	19,56	29,00	29,20	19,05	10,19	6,1	26,4	41,5	78,0	114,7	38,6	75,3	38,7
	577		35	-	19,60	27,00	27,20	19,05	10,19	6,1	26,0	38,3	78,0	114,7	41,8	78,5	41,8
	596		38,1	1 1/2	25,40	37,90	38,20	25,40	14,63	6,6	33,4	53,0	101,3	149,5	50,5	98,7	50,5
	613		44,45	1 3/4	30,99	46,50	46,80	27,94	15,90	7,4	37,0	63,6	122,9	182,9	62,0	122,0	62,3
	652		50,8	2	30,99	45,50	45,80	29,21	17,81	7,9	42,2	63,6	121,7	180,5	60,8	119,6	61,1
	35	<sup>10</sup>	9,525	3/8	4,68	7,47	7,52	5,08	3,59	3,3	9,1	13,2	22,0	32,5	11,0	21,5	11,1
	40	<sup>10</sup>	12,7	1/2	7,85	11,15	11,28	7,95	3,96	3,9	12,0	17,8	30,1	45,2	14,8	29,9	15,35
	50	<sup>10</sup>	15,875	5/8	9,40	13,80	13,93	10,16	5,08	4,1	15,0	20,5	38,7	56,8	19,4	37,5	19,4
	60	<sup>10</sup>	19,05	3/4	12,57	17,70	17,85	11,91	5,94	4,6	18,0	25,4	48,3	71,1	24,2	47,0	24,2
	80		25,4	1	15,75	22,50	22,70	15,88	7,92	5,4	24,1	33,5	62,6	92,0	31,3	60,6	31,3
	100		31,75	1 1/4	18,90	27,40	27,60	19,05	9,53	6,1	30,1	40,4	76,3	112,2	38,2	74,1	38,2
	120		38,1	1 1/2	25,22	35,30	35,60	22,23	11,10	6,6	36,2	50,3	96,1	141,9	48,2	94,0	48,2

<sup>1</sup> with straight side plates    <sup>10</sup> can also be supplied in stainless steel    <sup>11</sup> Duplex pin    <sup>12</sup> Triplex pin

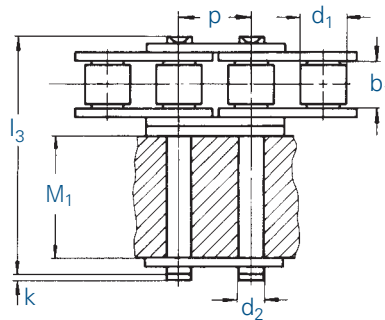
All designs can also be supplied as Marathon roller chains (maintenance-free), Biathlon and Biathlon KS!  
For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.



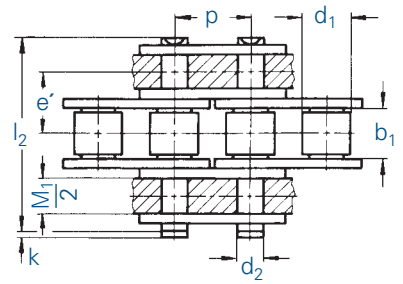
**Simplex chain**  
with duplex connecting link



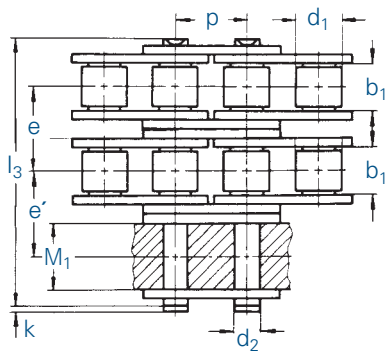
**Simplex chain**  
with triplex connecting link



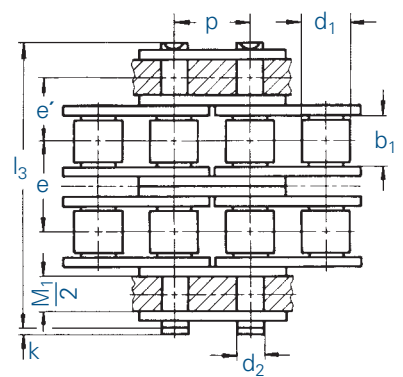
**Simplex chain**  
with duplex connecting link



**Duplex chain**  
with triplex connecting link



**Duplex chain**  
with triplex connecting link



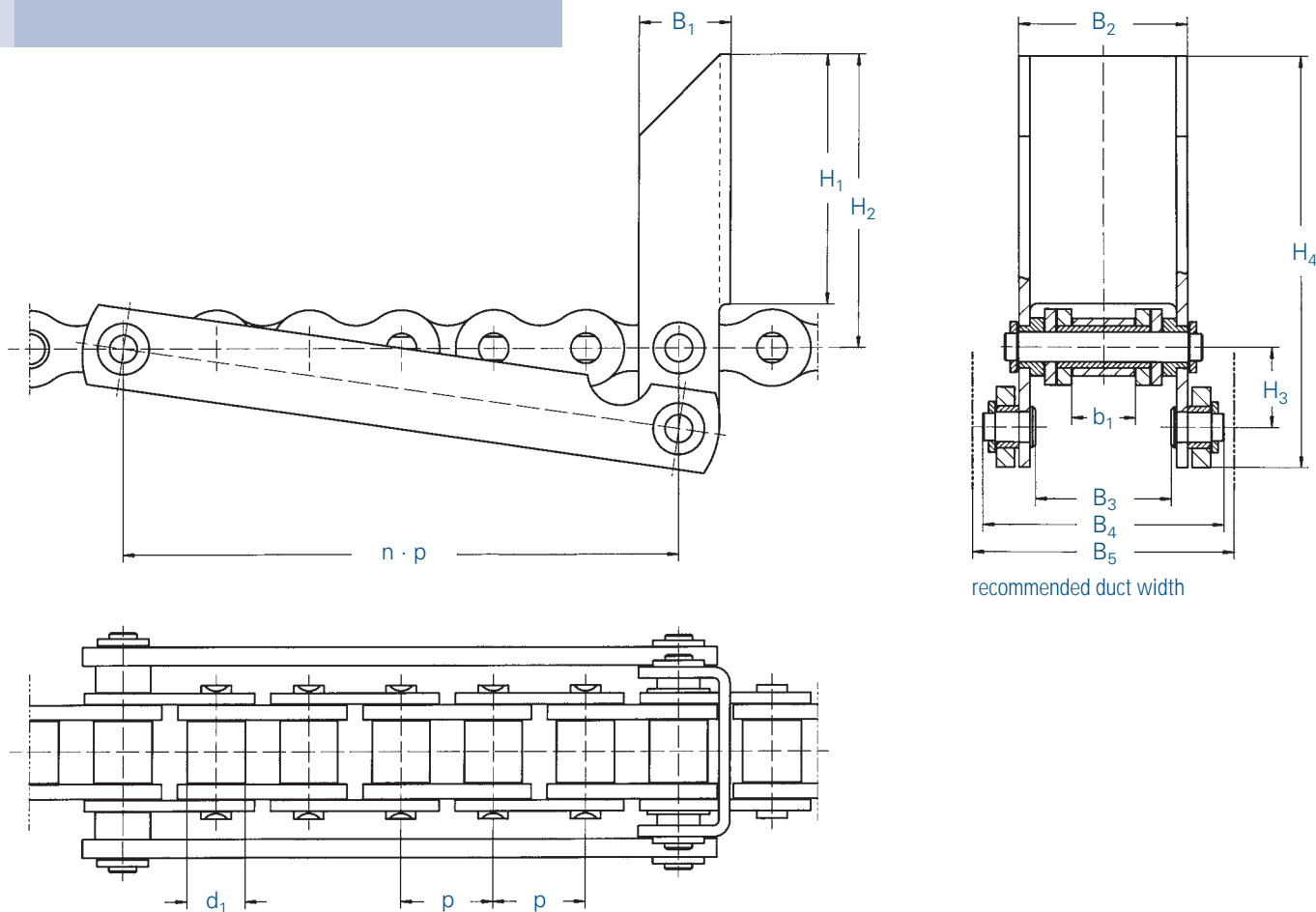
Chain	Pitch	Inner width	Roller Ø	Pin Ø	Transverse pitch		Attachment width		Projection over connecting link	Pin length			
					e	e'	M <sub>1</sub> max.	M <sub>2</sub> max.		k max.	l <sub>2</sub> max.	l <sub>3</sub> max.	
W	p	b <sub>1</sub> min.	d <sub>1</sub> max.	d <sub>2</sub> max.									
No.	Ind.	mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	
455	<sup>10</sup>	9,525	3/8	5,72	6,35	3,28	10,24	7,24	8,5	-	3,3	23,8	-
D 455	<sup>10</sup>	9,525	3/8	5,72	6,35	3,28	10,24	7,24	8,5	-	3,3	-	34,0
462	<sup>10</sup>	12,7	1/2	7,75	8,51	4,45	13,92	10,10	11,3	25,6	3,9	31,0	-
D 462	<sup>10</sup>	12,7	1/2	7,75	8,51	4,45	13,92	10,10	11,3	-	3,9	-	44,9
501	<sup>10</sup>	15,875	5/8	9,65	10,16	5,08	16,59	11,62	13,3	30,0	4,1	36,2	-
D 501	<sup>10</sup>	15,875	5/8	9,65	10,16	5,08	16,59	11,62	13,3	-	4,1	-	52,8
513	<sup>10</sup>	19,05	3/4	11,68	12,07	5,72	19,46	13,63	15,6	34,8	4,6	42,2	-
D 513	<sup>10</sup>	19,05	3/4	11,68	12,07	5,72	19,46	13,63	15,6	-	4,6	-	61,7
548	<sup>10</sup>	25,4	1	17,02	15,88	8,28	31,88	22,30	25,4	56,8	5,4	68,0	-
D 548	<sup>10</sup>	25,4	1	17,02	15,88	8,28	31,88	22,30	25,4	-	5,4	-	99,9

<sup>10</sup> can also be supplied in stainless steel

All designs can also be supplied as Marathon roller chains (maintenance-free), Biathlon and Biathlon KS!  
For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.



During conveyance the WIPPERMANN pusher is at right angles to the chain. In the deflection phase it submerges under the transported material without damaging it.

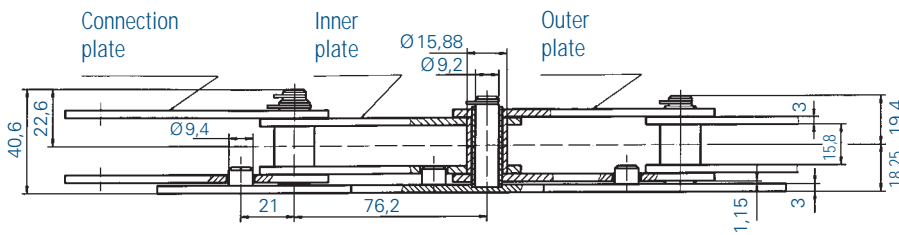


recommended duct width

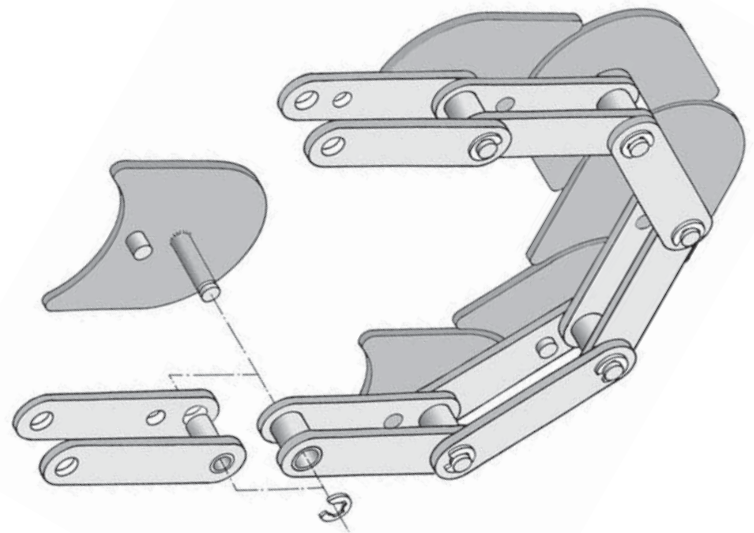
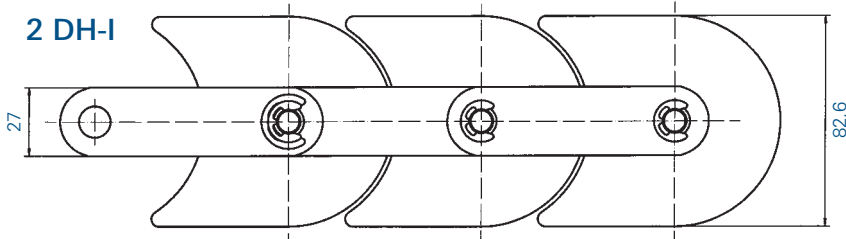
Chain	Sprockets		Pitch p	Inner width b <sub>1</sub> min.	Roller Ø d <sub>1</sub> max.	Pusher dog dimensions										Thrust max.	
	Number of teeth	Hub Ø max.				B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>	B <sub>4</sub>	B <sub>5</sub>	H <sub>1</sub>	H <sub>2</sub>	H <sub>3</sub>	H <sub>4</sub>	n		
No.	Ind.		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm		kN
462 / M 120	<sup>10</sup>	20	32	12,7	7,75	8,51	18,0	25,0	19,0	35,0	40,0	22,0	29,0	11,0	46,0	5	0,5
501 / M 132	<sup>10</sup>	32	80	15,875	9,65	10,16	18,0	31,0	23,0	40,0	45,0	50,0	60,0	18,0	86,0	8	1,0
501 / M 133	<sup>10</sup>	24	60	15,875	9,65	10,16	18,0	31,0	23,0	40,0	45,0	50,0	60,0	14,0	82,0	6	1,0
548 / M 132	<sup>10</sup>	24	90	25,4	17,02	15,88	25,0	46,0	37,0	65,0	70,0	68,0	80,0	22,0	113,0	6	3,0

<sup>10</sup> can also be supplied in stainless steel

All designs can also be supplied as Marathon roller chains (maintenance-free), Biathlon and Biathlon KS as well as in stainless steel! For details on orders and enquiries see page 129. For untoleranced dimensions DIN ISO 2768 c applies.



## 2 DH-I



Chain	Weight	Minimum tensile strength
No.	kg/m	kN
2 DH-I	3,4	55,0

The main advantage compared to previous solutions is that the top plates are no component parts of the inner and outer links of the actual chain.

The plates are attached in the hollow pin as a separate assembly part. This specific DBGM protected construction characteristic (DBGM 295 05 477.8) allows for the top plates to be replaced even with a tensioned chain, i.e. the chain does not have to be separated.

Due to an additional short pin attached to the top plate the plate is twist-secured. The floating assembly of the top plate can compensate minor height differences of the slideways.

- Apart from that we have succeeded in considerably reducing the distance between the plates compared to previous solutions.
- The sickle-shaped conveyor plates allow unrestricted motion through narrow bends and curves.
- Owing to the special construction of the WIPPERMANN special top plate conveyor chain an identical run of the top plate and the basic chain is guaranteed.

- In order to facilitate assembly and disassembly, the top plates were mounted with circlips.
- The WIPPERMANN special top plate conveyor chain with its especially narrow chain plate construction ensures a larger bearing area of the top plates on the guide profiles.
- The top plates are coated and therefore have a high wear protection.
- The WIPPERMANN special top plate conveyor chain is fully compatible with other systems.

Top plate conveyor chains suitable for following curved paths are installed in particular for long conveyor distances and high loads.

Primarily, they are required by the beverage and food industry and by subcontractors to the automotive industry.

Sprockets on request.