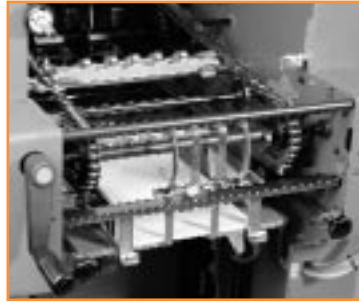


iwis ketten
Joh. Winkhofer & Söhne GmbH & Co. KG
bewegen die welt



7

C onveyor chains



Conveyor chains with straight attachment plates

for fitting to IWIS chains DIN 8187, 8188 and 8181

Conveyor chain straight attachment

plate No.

IWIS chain Type	Pitch ²⁾		a (mm)	b (mm)	d (mm)	Single strand chains e ₁ (mm)	Double strand chains e ₂ (mm)	Triple strand chains e ₃ (mm)	g (mm)	l (mm)	l (mm)	s (mm)	M (mm)	Threaded insert m ₁ max (mm)
	P (inch)	P (mm)												
102.1 P 83 V	1/2	12,7	13,0	19,0	4,2	8,1	-	-	4,5	-	18,0	1,5	-	-
S 84 V	1/2	12,7	13,0	19,0	4,2	9,8	-	-	4,5	-	18,0	1,5	-	-
L 85 SL ¹⁾	1/2	12,7	13,0	19,0	4,2	11,6	25,5	39,4	5,4	-	18,0	1,5	4	5,2
M 106 SL ¹⁾	5/8	15,875	16,3	24,3	5,2	13,6	30,1	46,6	6,8	-	24,0	1,6	5	5,3
M 127 SL ¹⁾	3/4	19,05	19,1	29,1	6,2	15,9	35,3	54,7	7,4	-	28,0	1,8	5	5,5
M 1611 ¹⁾	1	25,4	24,6	36,6	8,2	25,9	57,8	89,7	10,4	-	36,2	3,0	6	8,2
L 85 A ¹⁾	1/2	12,7	13,0	19,0	4,2	11,4	25,8	40,2	4,5	-	18,0	1,5	-	-
M 106 A ¹⁾	5/8	15,875	16,3	24,3	5,2	14,1	32,3	50,4	6,8	-	24,0	1,6	-	-
M 128 A SL ¹⁾	3/4	19,05	19,1	29,1	6,2	18,1	40,8	63,6	7,4	-	28,0	2,4	-	-
M 1610 A ¹⁾	1	25,4	24,6	36,6	8,2	23,0	52,2	81,5	10,4	-	36,2	3,0	-	-
103.1 and 103.2 P 83 V ²⁾	1/2	12,7	17,0	23,0	4,2	8,1	-	-	4,5	12,7	23,6	1,5	-	-
S 84 V	1/2	12,7	17,0	23,0	4,2	9,8	-	-	4,5	12,7	23,6	1,5	-	-
L 85 SL ¹⁾	1/2	12,7	17,0	23,0	4,2	11,6	25,5	39,4	5,4	12,7	23,6	1,5	4	5,2
M 106 SL ¹⁾	5/8	15,875	16,3	25,8	5,2	13,6	30,1	46,6	7,5	15,8	31,0	1,6	5	5,3
M 127 SL ¹⁾	3/4	19,05	18,3	29,0	6,2	15,9	35,3	54,7	9,0	19,0	37,2	1,8	5	5,5
M 1611 ¹⁾	1	25,4	28,45	41,55	8,2	25,9	57,8	89,7	10,35	25,4	47,2	3,0	6	8,2
L 85 A ¹⁾	1/2	12,7	17,0	23,0	4,2	11,4	25,8	40,2	4,5	12,7	23,6	1,5	-	-
M 106 A ¹⁾	5/8	15,875	16,3	25,8	5,2	14,1	32,3	50,4	7,5	15,8	31,0	1,6	-	-
M 128 A SL ¹⁾	3/4	19,05	18,3	29,0	6,2	18,1	40,8	63,6	9,0	19,0	37,2	2,4	-	-
M 1610 A ¹⁾	1	25,4	28,45	41,55	8,2	23,0	52,2	81,5	10,35	25,4	47,2	3,0	-	-
101.1 and 101.2 LR 165 SL ³⁾	1	25,4	14,3	20,5	4,2	11,6	-	-	6,5	14,0	24,2	1,5	-	-
LR 206 SL	1/4	31,75	16,3	25,8	5,2	13,8	-	-	7,5	18,0	30,2	1,6	-	-
LR 247 SL ³⁾	1/2	38,1	19,2	29,5	6,2	15,9	-	-	9,0	20,0	36,2	1,7	-	-
LR 3211	2	50,8	28,5	40,6	8,2	25,9	-	-	10,2	28,0	48,2	3,0	-	-

- 1) available for both double and triple strand chains
- 2) nominal pitch
- 3) radius greater than standard outer plate

Conveyor chains with straight attachment plates

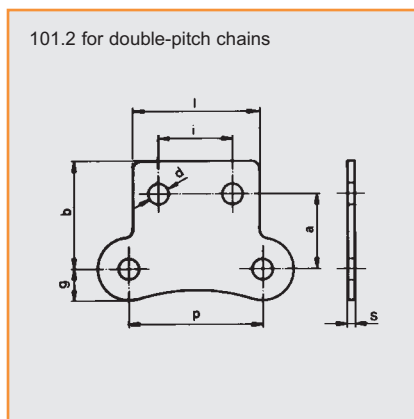
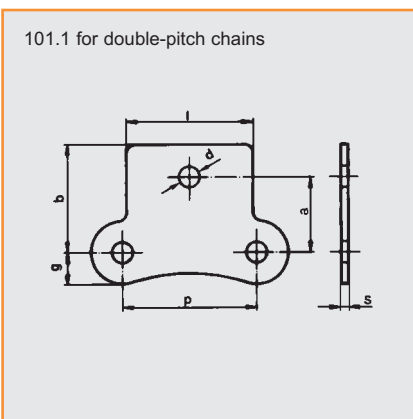
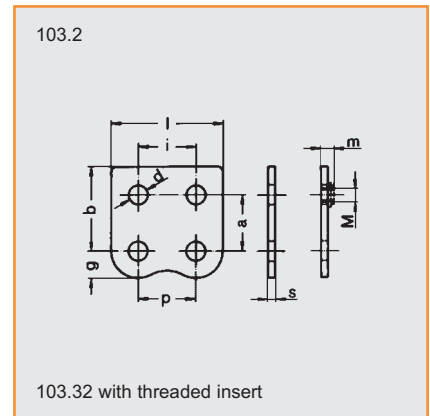
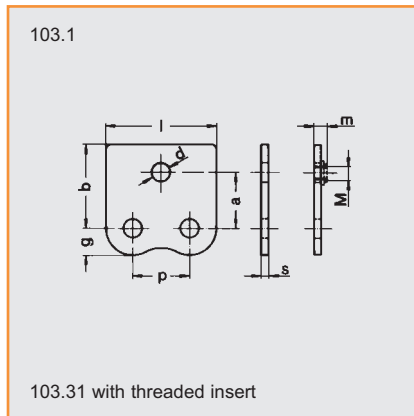
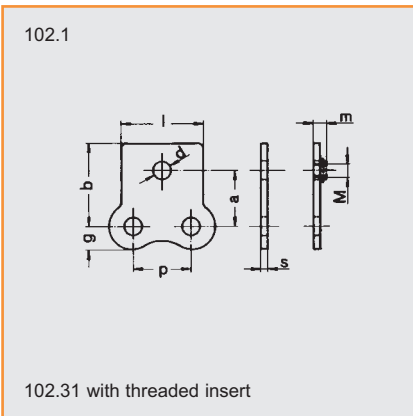
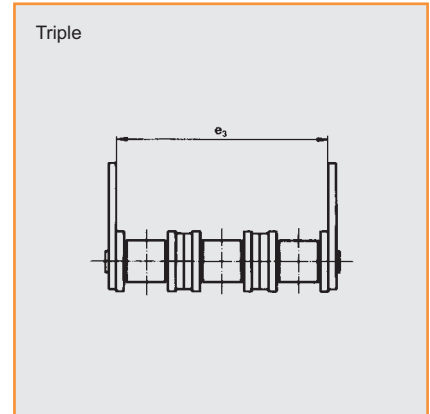
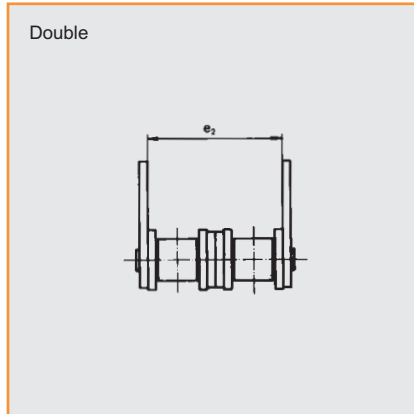
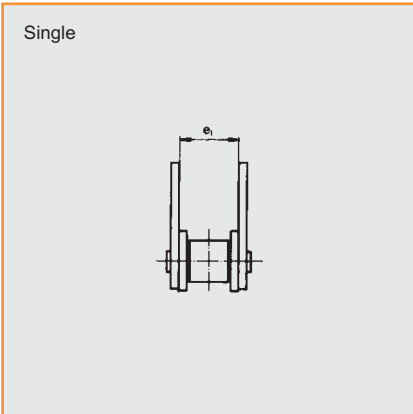
for fitting to IWIS chains DIN 8187, 8188 and 8181

Straight attachment plates

The designs shown above can be supplied as connecting links, or outer links for endfitting or repair.

The straight attachment plates can be supplied fitted on one or both sides, on every outer link, or at greater intervals. Further threaded inserts can also be supplied

(details on request).



Conveyor chains with bent attachment plates

for fitting to IWIS chains DIN 8187, 8188 and 8181

Conveyor chain bent attachment

plate No.

IWIS chain Type	Pitch ³⁾		Single chains			Double chains			Triple chains			Threaded insert					
	P (inch)	P (mm)	c (mm)	d (mm)	e ₁ (mm)	f ₁ (mm)	e ₂ (mm)	f ₂ (mm)	e ₃ (mm)	f ₃ (mm)	g (mm)	h (mm)	i (mm)	l (mm)	s (mm)	M (mm)	m max (mm)
202.1 P 83 V	1/2	12,7	8,0	4,2	24,1	36,1	-	-	-	-	4,5	14,0	-	18,1	1,5	-	-
S 84 V	1/2	12,7	8,0	4,2	25,8	37,8	-	-	-	-	4,5	14,0	-	18,1	1,5	-	-
L 85 SL ¹⁾	1/2	12,7	8,0	4,2	27,6	39,6	41,5	53,5	55,4	67,4	5,4	14,0	-	18,1	1,5	4	5,2
M 106 SL ¹⁾	5/8	15,875	9,0	5,2	33,6	49,6	50,1	66,1	66,6	82,6	6,8	18,0	-	24,0	1,6	5	5,3
M 127 SL ¹⁾	3/4	19,05	10,0	6,2	41,1	61,1	60,5	80,5	79,9	99,9	7,4	22,6	-	28,0	1,8	5	5,5
M 1611 ^{1) 2)}	1	25,4	16,0	8,2	53,9	77,9	85,8	109,8	117,7	141,7	10,4	26,0	-	36,2	3,0	6	8,2
L 85 A ¹⁾	1/2	12,7	8,0	4,2	27,4	39,4	41,8	53,8	56,2	68,2	4,5	14,0	-	18,1	1,5	-	-
M 106 A ¹⁾	5/8	15,875	9,0	5,2	34,1	50,1	52,3	68,3	70,4	86,4	6,8	18,0	-	24,0	1,6	-	-
M 128 A SL ¹⁾	3/4	19,05	13,0	6,2	38,9	58,9	61,6	81,6	84,4	104,4	7,4	20,4	-	28,0	2,4	-	-
M 1610 A ^{1) 2)}	1	25,4	16,0	8,2	51,0	75,0	80,2	104,2	109,5	133,5	10,4	26,0	-	36,2	3,0	-	-
203.1 and 203.2 P 83 V ²⁾	1/2	12,7	9,5	4,2	29,1	41,1	-	-	-	-	4,5	16,5	12,7	23,6	1,5	-	-
S 84 V ²⁾	1/2	12,7	9,5	4,2	30,8	42,8	-	-	-	-	4,5	16,5	12,7	23,6	1,5	-	-
L 85 SL ^{1) 2)}	1/2	12,7	9,5	4,2	32,6	44,6	46,5	58,5	60,4	72,4	5,4	16,5	12,7	23,6	1,5	4	5,2
M 106 SL ^{1) 2)}	5/8	15,875	11,0	5,2	30,6	49,6	47,1	66,1	63,6	82,6	7,5	18,0	15,8	31,0	1,6	5	5,3
M 127 SL ^{1) 2)}	3/4	19,05	12,0	6,2	35,5	56,9	54,9	76,3	74,3	95,7	9,0	20,5	19,0	37,2	1,8	5	5,5
M 1611 ^{1) 2)}	1	25,4	18,0	8,2	57,7	83,9	89,6	115,8	121,5	147,8	10,4	29,0	25,4	47,2	3,0	6	8,2
L 85 A ^{1) 2)}	1/2	12,7	9,5	4,2	32,4	44,4	46,8	58,8	61,2	73,2	4,5	16,5	12,7	23,6	1,5	-	-
M 106 A ^{1) 2)}	5/8	15,875	11,0	5,2	31,1	50,1	49,3	68,3	67,3	86,4	7,5	18,0	15,8	31,0	1,6	-	-
M 128 A SL ^{1) 2)}	3/4	19,05	13,0	6,2	37,3	58,7	60,0	81,4	82,8	104,2	9,0	20,3	19,0	37,2	2,4	-	-
M 1610 A ^{1) 2)}	1	25,4	18,0	8,2	54,8	81,0	84,0	110,2	113,3	139,5	10,4	29,0	25,4	47,2	3,0	-	-
201.1 and 201.2 LR 165 SL ^{2) 4)}	1	25,4	10,0	4,2	26,2	38,6	-	-	-	-	6,5	13,5	14,0	24,2	1,5	-	-
LR 206 SL ²⁾	1 1/4	31,75	11,0	5,2	30,6	49,6	-	-	-	-	7,5	18,0	18,0	30,2	1,6	-	-
LR 247 SL ^{2) 4)}	1 1/2	38,1	13,0	6,2	34,9	55,5	-	-	-	-	9,0	19,8	20,0	36,2	1,7	-	-
LR 3211 ²⁾	2	50,8	18,0	8,2	57,7	81,9	-	-	-	-	10,2	28,0	28,0	48,2	3,0	-	-

¹⁾ available also for corresponding double and triple strand chains

²⁾ the bent attachment plates can also be fitted facing inwards with the top part **over** the chain, **except** with double-sides installation on D 85, D 106 and D 127 chains

³⁾ nominal pitch
⁴⁾ radius greater than normal outer plate

Conveyor chains with bent attachment plates

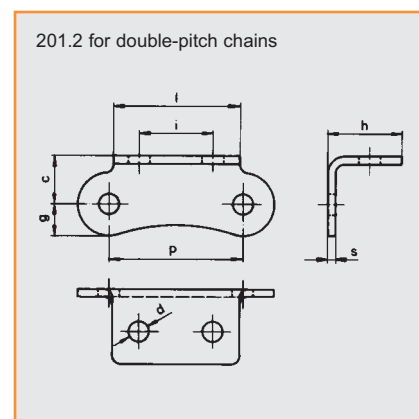
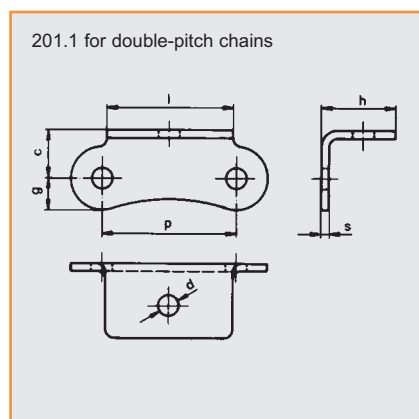
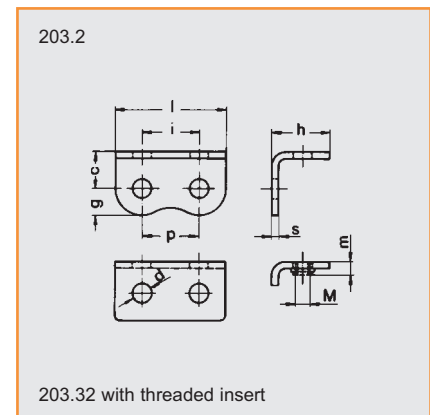
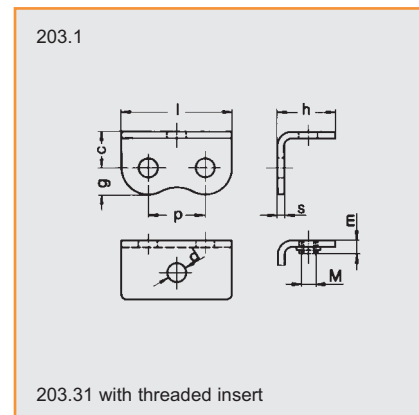
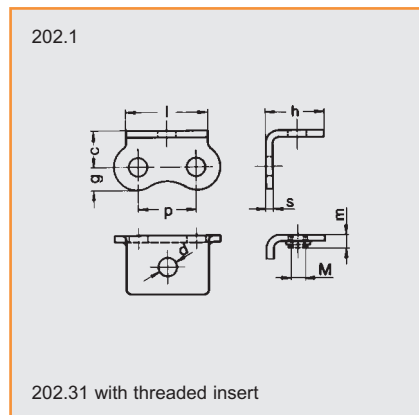
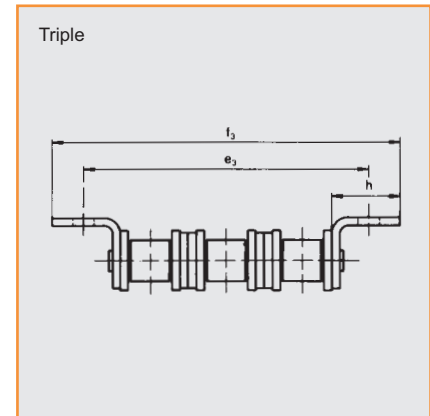
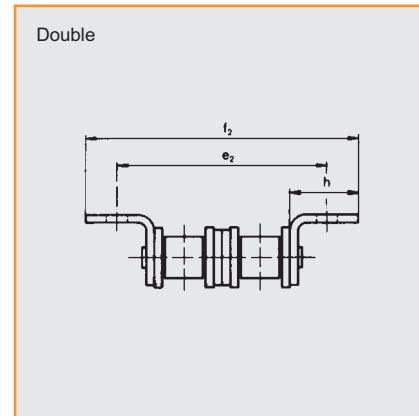
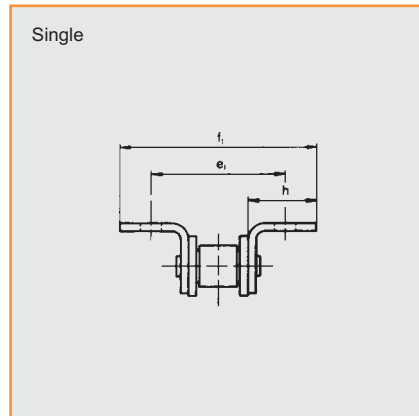
for fitting to IWIS chains DIN 8187, 8188 and 8181

Bent attachment plates

The designs shown can be supplied as connecting links, or outer links for end fitting or repair. When the attachment is fitted facing

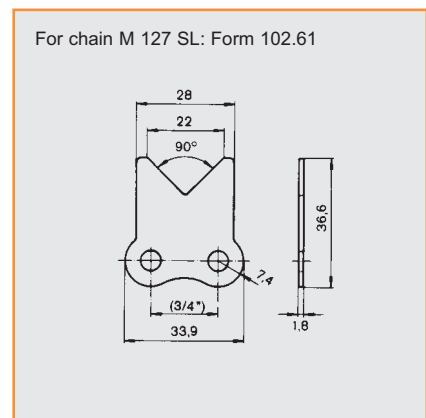
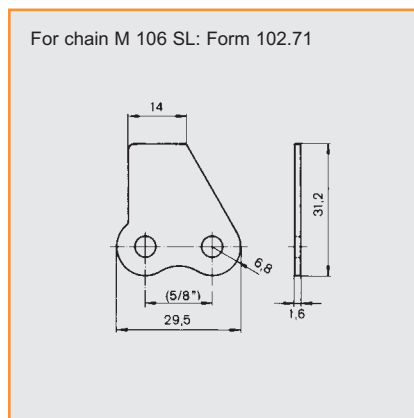
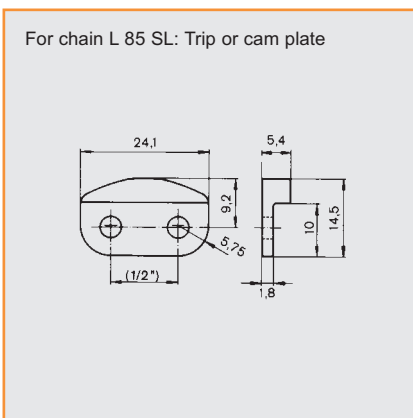
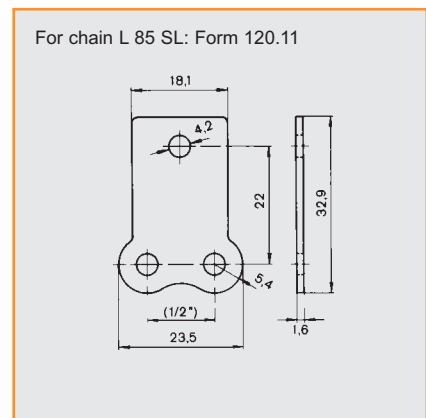
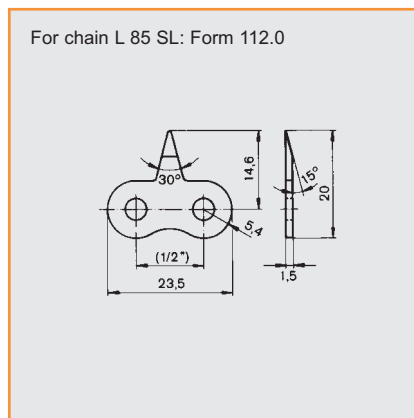
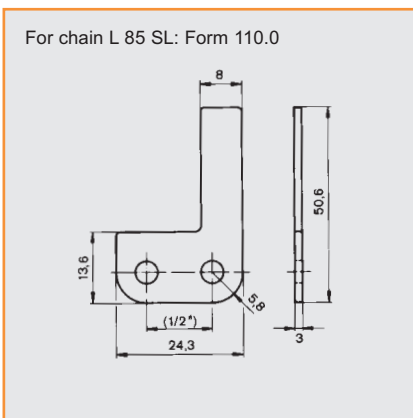
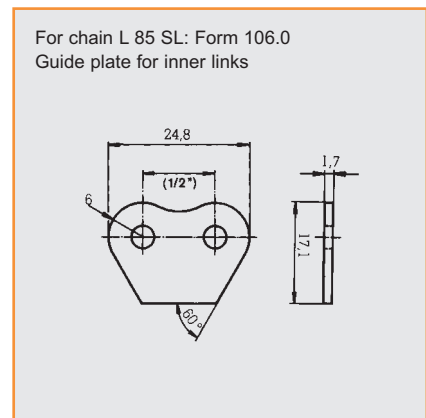
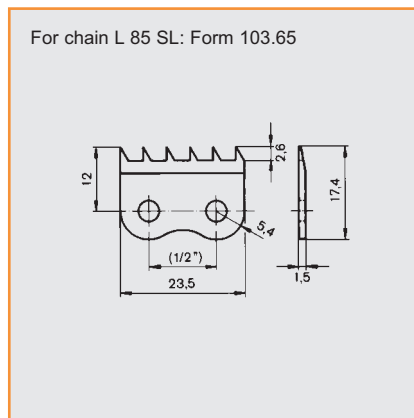
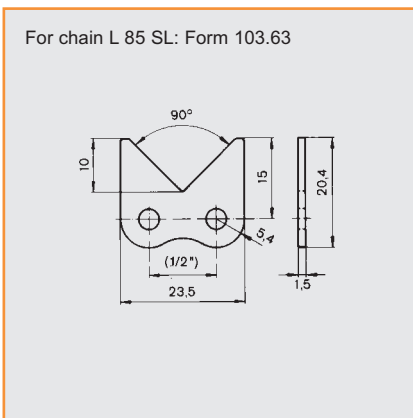
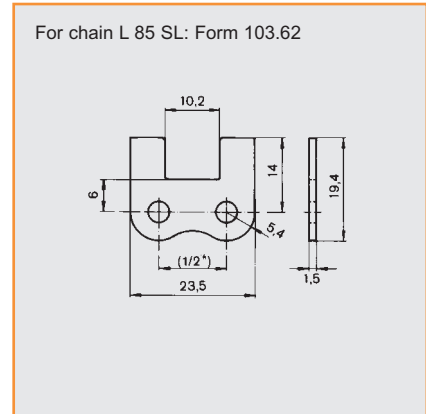
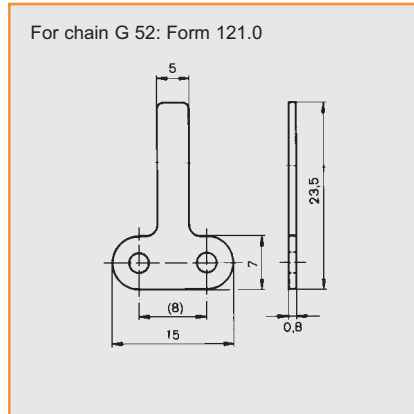
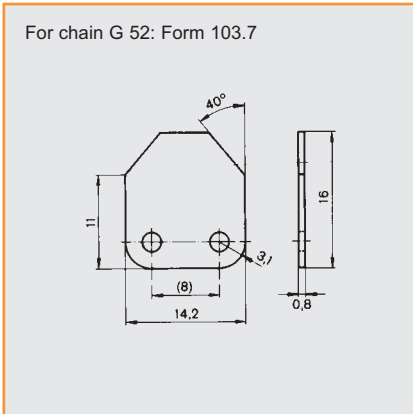
inwards over the chain threaded inserts cannot be used. The bent attachment plates can be supplied fitted on one or both sides, on every outer link, or at

greater intervals. Further threaded inserts can also be supplied (details on request).

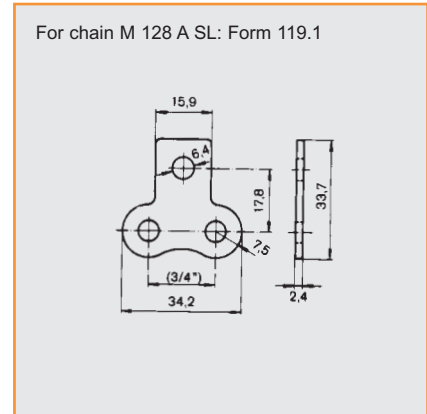
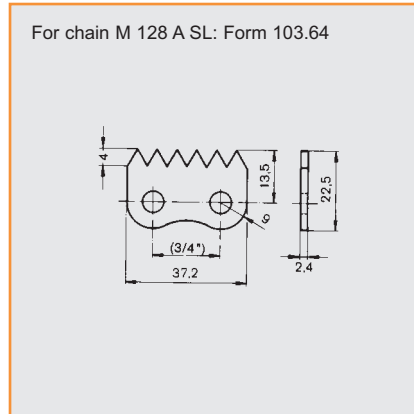
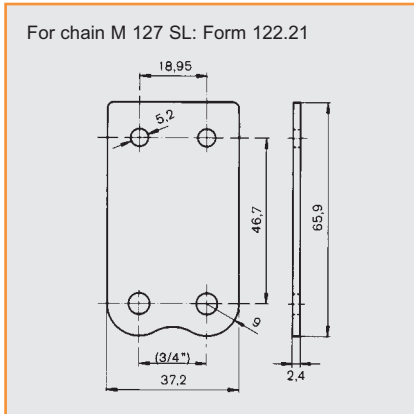


Special straight attachment plates

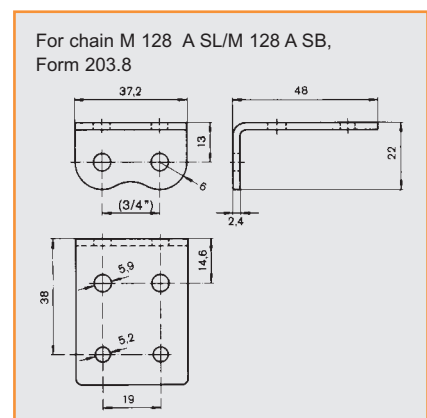
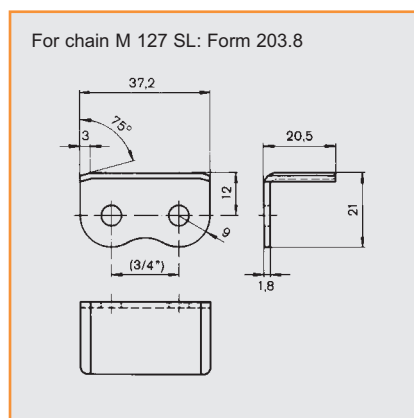
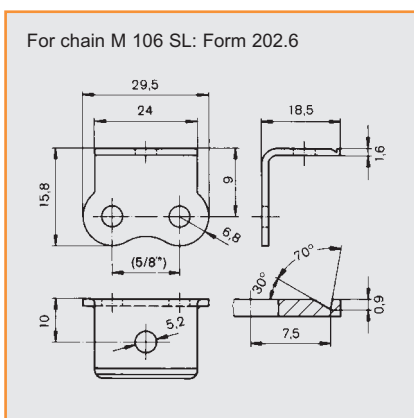
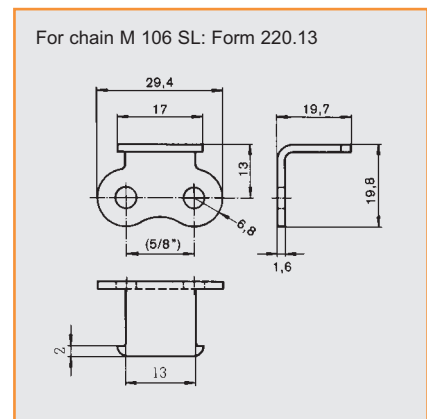
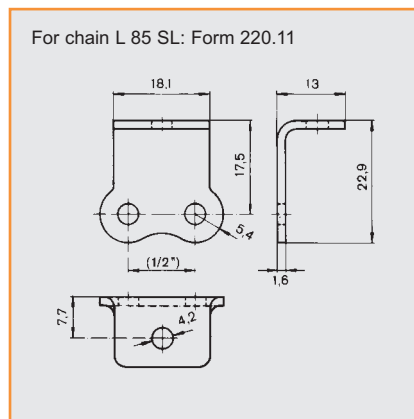
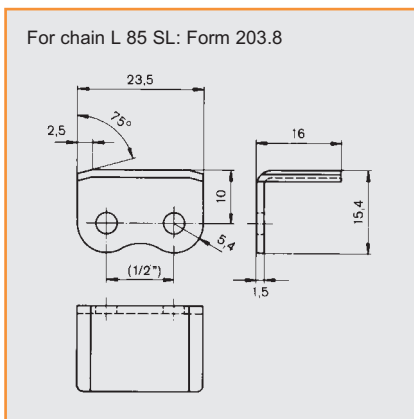
7
CONVEYOR CHAINS



Special straight attachment plates



Special bent attachment plates – examples



Similar attachment plate designs for other chain types are available on request, as are other attach-

ment plate designs. For some special attachment plates minimum order quantities are required.

Conveyor chains with extended bearing pins

for fitting to IWIS chains DIN 8187, 8188 and 8181

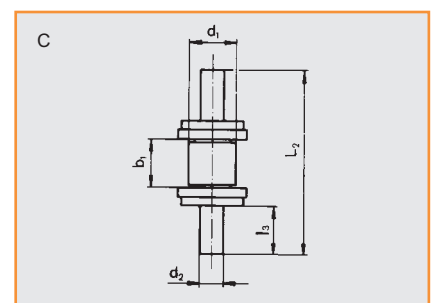
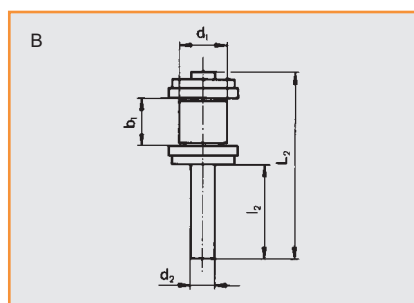
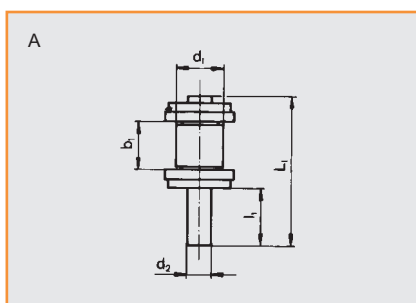
Conveyor chain	Pin design	IWIS chain no. ¹⁾	Pitch		Inner width b _i (mm)	Roller diameter d _r (mm)	Extended bearing pin diameter d _e (mm)	Design A pin length		Design B and C pin length		
			P (inch)	P (mm)				L ₁ (mm)	L ₂ (mm)	L ₁ (mm)	L ₂ (mm)	
A, B, C	G 52	-	-	8,0	3,16	5,0	2,31	17,5	10,0	27,5	20,0	10,5
	G 67	$\frac{3}{8}$	$\frac{3}{8}$	9,525	5,72	6,35	3,31	22,0	10,0	34,0	22,0	11,5
	P 83 V	$\frac{1}{2}$	$\frac{1}{2}$	12,7	4,88	7,75	3,68	22,0	10,0	37,0	25,0	13,0
	L 85 SL	$\frac{1}{2}$	$\frac{1}{2}$	12,7	7,75	8,51	4,45	25,5	10,0	40,5	25,0	13,0
	M 106 SL	$\frac{5}{8}$	$\frac{5}{8}$	15,875	9,65	10,16	5,08	30,0	12,0	48,0	30,0	15,5
	M 127 SL	$\frac{3}{4}$	$\frac{3}{4}$	19,05	11,75	12,07	5,72	36,0	15,0	51,0	30,0	15,5
	M 1611	1	1	25,4	17,02	15,88	8,28	53,5	20,0	68,5	35,0	18,0
	L 85 A	$\frac{1}{2}$	$\frac{1}{2}$	12,7	7,94	7,95	3,96	25,5	10,0	45,3	30,0	15,5
	M 106 A	$\frac{5}{8}$	$\frac{5}{8}$	15,875	9,53	10,16	5,08	31,5	12,0	48,0	29,0	15,0
	M 128 A SL	$\frac{3}{4}$	$\frac{3}{4}$	19,05	12,70	11,91	5,94	38,0	14,0	48,0	24,0	12,5
	M 1610 A	1	1	25,4	15,88	15,88	7,92	49,5	19,0	61,3	31,0	16,0
	LR 165 SL	1	1	25,4	7,75	8,51	4,45	25,5	10,0	40,5	25,0	13,0
	LR 206 SL	$1\frac{1}{4}$	$1\frac{1}{4}$	31,75	9,65	10,16	5,08	30,0	12,0	48,0	30,0	15,5
	LR 247 SL	$1\frac{1}{2}$	$1\frac{1}{2}$	38,1	11,75	12,07	5,72	36,0	15,0	51,0	30,0	15,5
	LR 3211	2	2	50,8	17,02	15,88	8,28	53,5	20,0	68,5	35,0	18,0

¹⁾ for multiple strand chains on request.

Other pin designs and lengths available on request.

Extended bearing pins

The designs shown above can be supplied as connecting links or outer links for end fitting, or repair (C only as outer link).



Multiple strand connecting links

for attachment of components

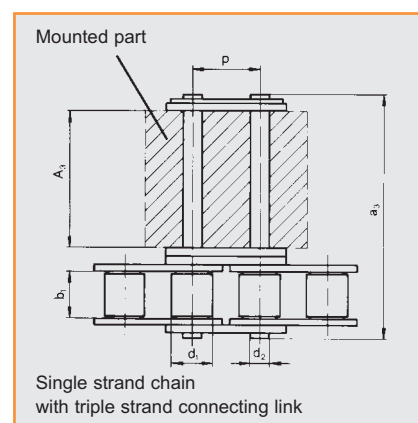
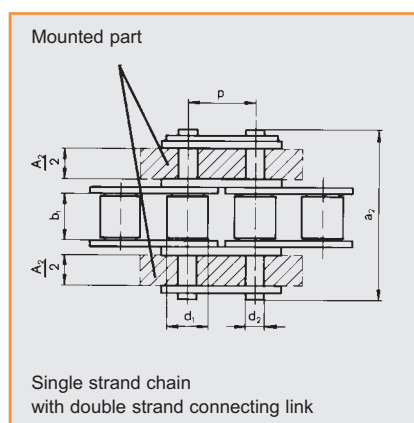
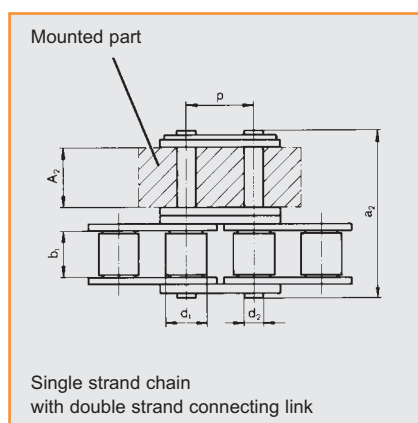
Multiple strand connecting link

Desing

	IWIS chain ¹⁾ no.	Chain p (inch)	Pitch Pitch of holes in component (mm)	Inside width b _i (mm)	Roller diameter d _r (mm)	Pin diameter d _p (mm)	a ₂ (mm)	Outside width a ₁ (mm)	A ₂ (max. mm)	Block width A ₁ (max. mm)
Single	G 52	8 mm	7,94	3,16	5,0	2,31	14,9	-	4,0	-
Double	G 67	$\frac{3}{8}$	9,42	5,72	6,35	3,31	24,5	34,6	7,0	17,5
Triple	L 85 SL	$\frac{1}{2}$	12,58	7,75	8,51	4,45	32,3	46,2	11,3	25,2
	M 106 SL	$\frac{5}{8}$	15,76	9,65	10,16	5,08	37,4	53,9	13,3	29,9
	M 127 SL	$\frac{3}{4}$	18,95	11,75	12,07	5,72	42,9	62,4	15,6	35,1
	M 1611	1	25,3	17,02	15,88	8,28	68,7	100,6	25,5	57,4
	L 85 A	$\frac{1}{2}$	12,59	7,94	7,95	3,96	31,8	46,2	11,2	25,5
	M 106 A	$\frac{5}{8}$	15,78	9,53	10,16	5,08	39,8	57,9	13,8	32,0
	M 128 A SL	$\frac{3}{4}$	18,95	12,70	11,91	5,94	49,4	72,2	17,8	40,6
	M 1610 A	1	25,3	15,88	15,88	7,92	63,2	92,6	22,6	51,9

¹⁾ Also available for double strand chains

Examples



Multiple strand connecting links permit components to be fitted easily at specific locations on the chain.

Multiple strand connecting links can be supplied with normal side plates or as connecting links with straight or bent attachment plates, mounted on one or both sides.

Note: The pitch of holes in the mounted part (component) differ from chain pitch.

Conveyor chains with U-shaped attachments

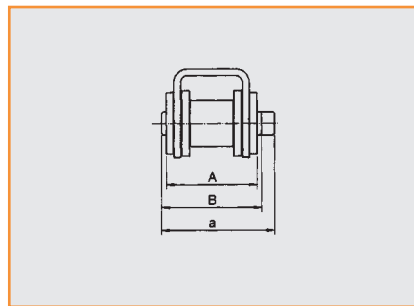
for fitting to IWIS roller chains DIN 8187 and 8188

Conveyor chain

U-shaped attachment

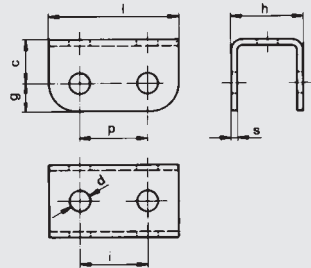
	IWIS chain no.	Pitch														Threaded insert m max. (mm)
		P (mm)	A (mm)	B (mm)	a (mm)	c (mm)	d ¹⁾ (mm)	g (mm)	h (mm)	i (mm)	k (mm)	l (mm)	s (mm)	M (mm)		
303.2	L 85 SL	12,7	17,8	19,8	21,5	9,5	4,1	6,3	14,6	12,6	3,0	24,2	1,5	4	5,2	
303.32	D 85 SL	12,7	31,8	33,9	35,5	9,5	4,1	6,3	28,5	13,9	3,0	24,2	1,5	4	5,2	
303.9	M 106 SL	15,875	20,0	22,0	24,0	12,0	7,1	7,5	16,6	15,8	3,0	31,0	1,5	5	5,2	
	M 1610 A	25,4	33,7	36,5	38,4	16,2	8,7	10,5	27,3	25,3	5,0	49,2	2,1	6	7,3	

¹⁾ Alternative diameters:
for L 85 SL : 5,8 mm
for M 106 SL: 4,7 mm

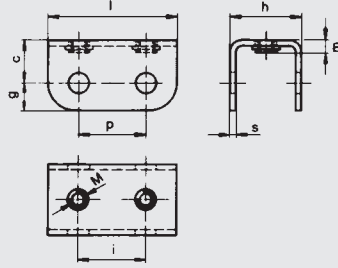


◀ Chain width:
When U-shaped attachments are ditted between the inner and outer plates the chain width increases above standard.
a = pin length of connecting-link

No. 303.2 with standard attachment holes

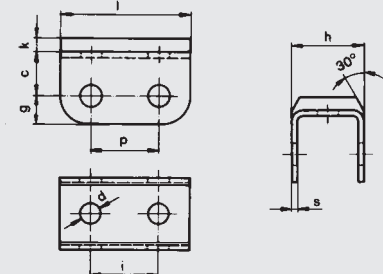


No. 303.32 with threaded inserts



With D 85 SL threaded inserts are positioned transversely to the chain

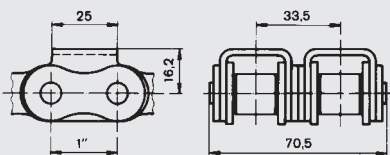
No. 303.9 with rubber cover



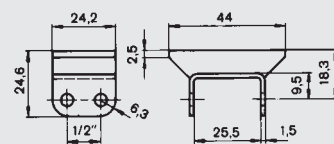
Cover material: Perbunan
Hardness: 65 Shore
Temperature: - 30 bis + 100 °C

Special designs

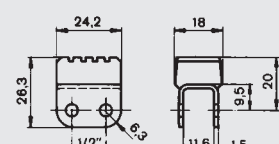
1"-double strand chain with special U-shaped attachment.
Base chain: IWIS M 1610 A



No. 303.94 for chain D 85 SL



No. 303.97 for chain L 85 SL



7 CONVEYOR CHAINS