



POM-Clips

The best protection for sensitive goods

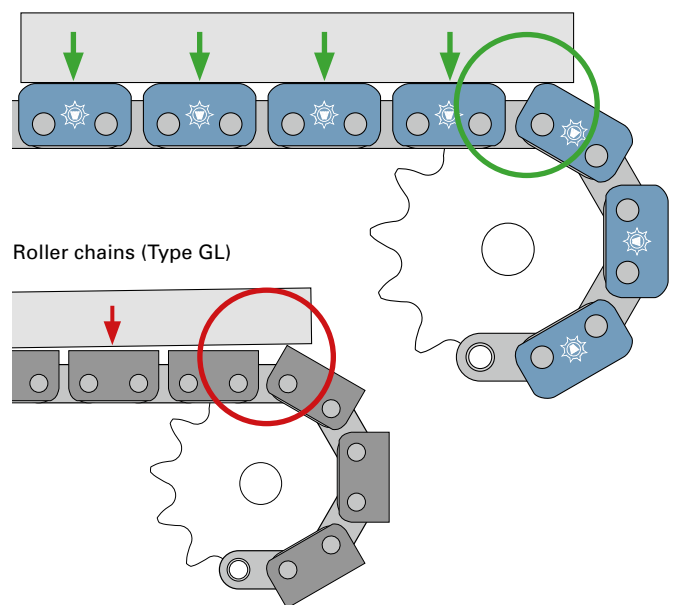
These clips are suitable for mounting on roller chains (type series GL) and prevent the direct contact between the chain and the items to be transported. Furthermore, they enlarge the contact surface and they are therefore able to guarantee a particularly safe conveyance process.

The special design of the plastic clips also prevents a possible tilting in the deflections of the chain conveyor. In order to strengthen the clip fixing even more and thus increase safety, WIPPERMANN recommends the use of unriveted roller chains.

Technical features

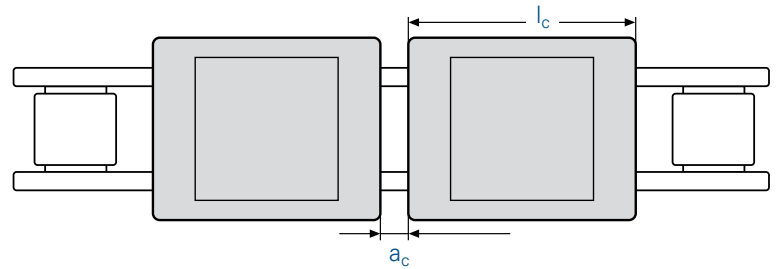
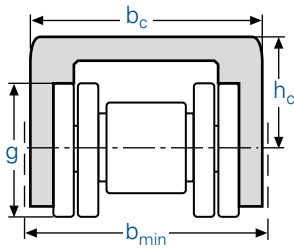
- Stiff and durable thermoplastic
- Impact resistant
- Wear resistant
- Friction coefficient $\mu = 0,15 \dots 0,3$ (against steel)
- Max. sustained temperature 80°C
- Food approved
- Alkali-proof
- Hot-water-proof
- Not resistant against strong acids (pH < 4)
- Insoluble in many solvents, fuel and mineral oil
- Low bulking

Roller chains (Type GL) with POM-Clip



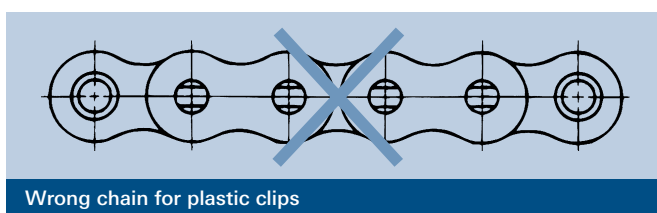
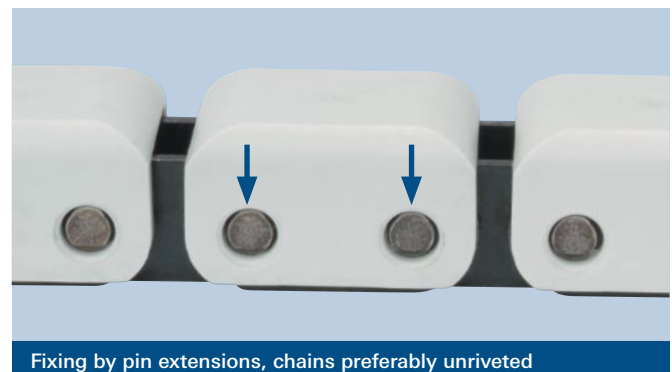
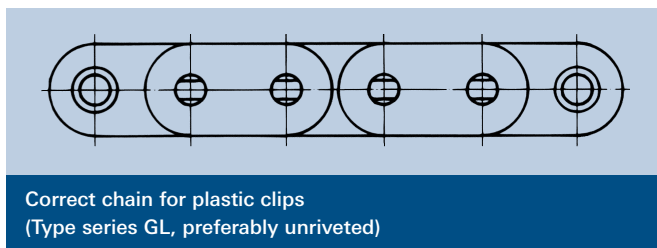
Benefits for application

- For simplex and duplex roller chains
- Protect sensitive goods from damage by the chain
- Wear resistant and durable POM
- No edge pressure at transfer points (see picture)
- High load capacity per clip
- Black clips for connecting links (mounting without spring clip)



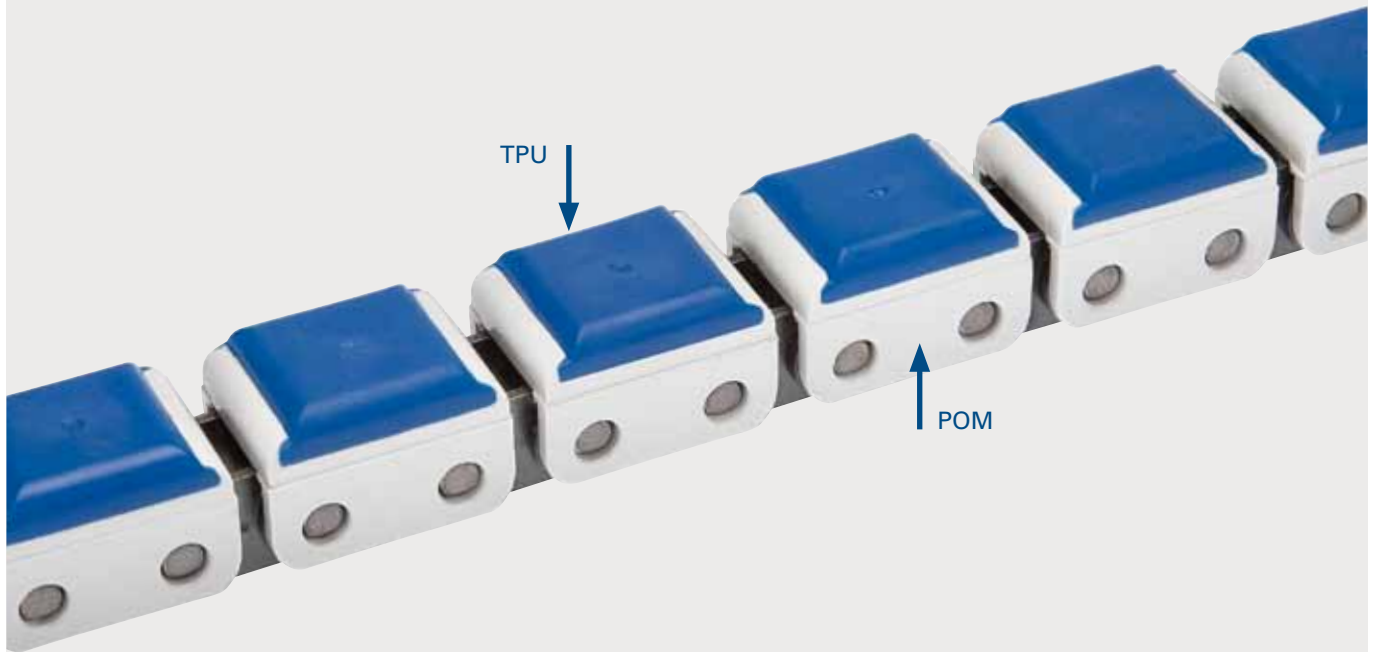
Chain			Plate height						max. vertical load per clip
⚙		DIN	g	a _c	b _c	b _{min}	h _c	l _c	
No.	Ind.	No.	mm	mm	mm	mm	mm	mm	kg
462 GL		08 B-1	11,5	3,5	19,7	22	9,3	21,9	70
D 462 GL		08 B-2	11,5	3,5	33,7	36	9,3	21,9	140
501 GL		10 B-1	14,2	1,55	22,6	25	12,5	30,2	90
D 501 GL		10 B-2	14,2	1,55	39,3	42	12,5	30,2	180
513 GL		12 B-1	15,5	3,9	25,4	28	13,2	34,2	110
D 513 GL		12 B-2	15,5	3,9	45,3	48	13,2	34,2	220
548 GLS		16 B-1	21,0	5,1	40,9	45	18,5	45,7	140
548 GL		works stand.	24,0	6,0	42,0	45	17,5	44,8	140
563 GL		20 B-1	26,5	10,4	47,0	50	23,2	53,4	180

Assembly of the clips at room temperature (> 15°C)



Material POM

- stiff and durable thermoplastic
- impact resistant
- wear resistant
- friction coefficient $\mu = 0,15 \dots 0,3$ (against steel)
- max. sustaines temperature 80°C
- food approved
- alkali-proof
- hot-water-proof
- not resistant against strong acids (pH < 4)
- insoluble in many solvents, fuel and mineral oil
- low bulking



POM-Clips with elastomer

Slip-free conveyance process

For the conveyance of particularly delicate goods as well as for goods that slip easily, WIPPERMANN offers plastic clips with an overlay made of thermo-plastic elastomer (TPU) with a hardness of approximately 85 Shore A.

These clips significantly increase the adhesion friction coefficient between the conveyed item and the clip, and they can therefore ensure an absolutely slip-free conveyance process. On customers' request, hardness grades between 50 Shore A and 90 Shore A can be supplied.

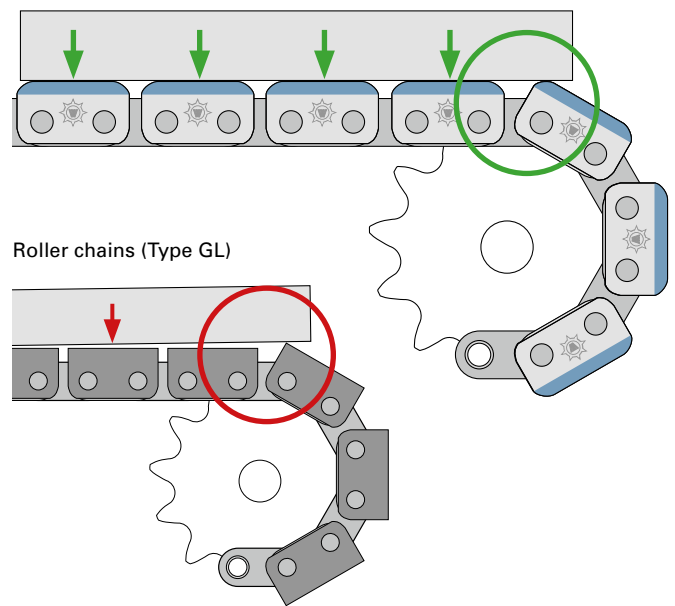
Technical features

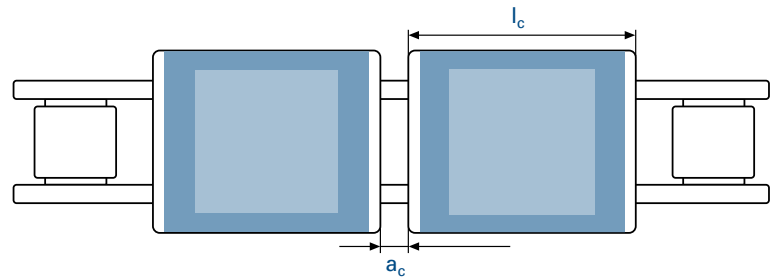
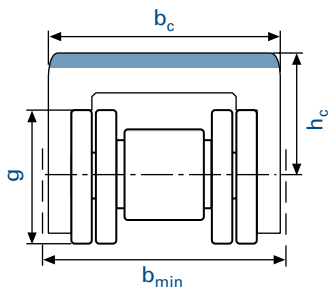
- POM-Clip: stiff, durable, impact resistant
- TPU-top: 85 Shore A
- Perfect junction between POM-Clip and TPU-top
- High friction, high abrasion resistance
- Max. sustained temperature 80°C
- Resistant against most oils and greases
- Low danger of hydrolysis

Benefits for application

- For chain 462GL, 513GL, 548GLS including MARATHON and Stainless Steel
- Basic clip POM, top surface TPU (85 Shore A)
- Protect sensitive goods from damage by the chain
- No edge pressure at transfer points (see picture)
- High coefficient of friction between clip and conveyed good
- High load capacity
- Mounting of connecting links with POM-clip and without spring clip

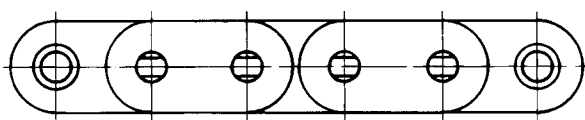
Roller chain (type GL) with POM clip including TPU overlay



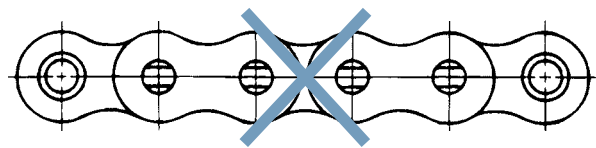


Chain			Plate height						max. vertical load per clip
⚙		ISO	g	a _c	b _c	b _{min}	h _c	l _c	
No.	Ind.	No.	mm	mm	mm	mm	mm	mm	kg
462 GL		08 B-1	11,5	3,4	19,5	22,0	13,0	21,9	70
513 GL		12 B-1	15,5	3,9	25,4	28,0	20,0	34,2	110
548 GLS		16 B-1	21,0	5,1	40,5	45,0	21,5	45,7	140

Assembly of the clips at room temperature (> 15°C)



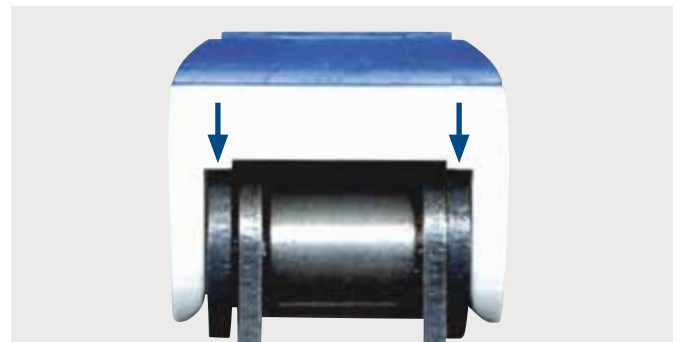
Correct chain for plastic clips
(Type series GL, preferably unriveted)



Wrong chain for plastic clips



Fixing by pin extension, preferably chains unriveted or with extended pins



Top surfaces of the straight plates bear the load