

# Flat Timing Belts

Strength and reliability for superior performance



**HabaSYNC® Flat Belts** are engineered to provide high reliability and strength for applications requiring a winding function. They are the best choice for linear actuators where precise indexing accuracy is not critical, such as lifting equipment and heavy-duty applications including open-belt vertical lifts (industrial and fitness equipment), scissor elevators, and forklifts.

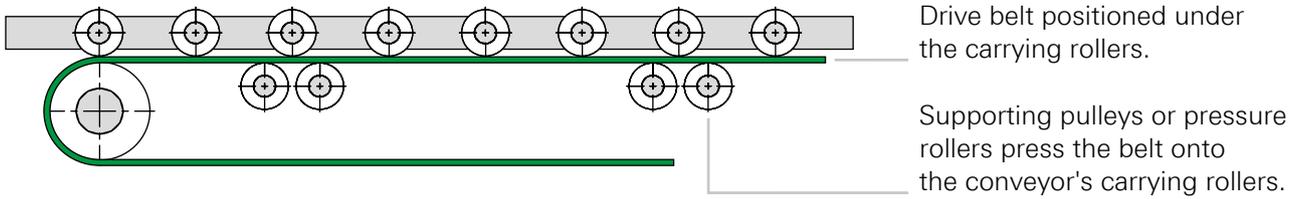
**Key benefits of HabaSYNC® Flat Belts:**

- Maintenance-free operation for reduced downtime.
- Low noise levels for quieter environments.
- Significant cost savings compared to chains and cable tension systems.
- Superior strength and flexibility for demanding tasks. TPU matrix materials with excellent abrasion resistance.

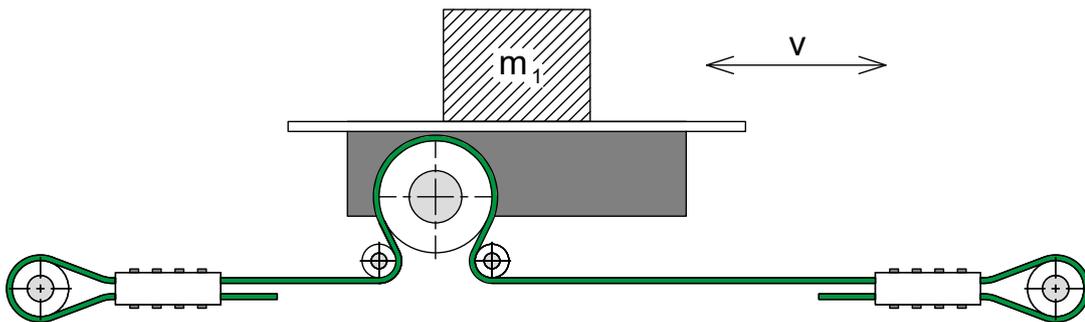
## Applications

For live roller conveyor applications in distribution centers, where a more flexible belt is required without compromising high tensile strength, length stability, and a wear-resistant, long-lasting surface, the Aramid-based 4 mm flat belt with an additional 0.6 mm thickness is the optimal solution.

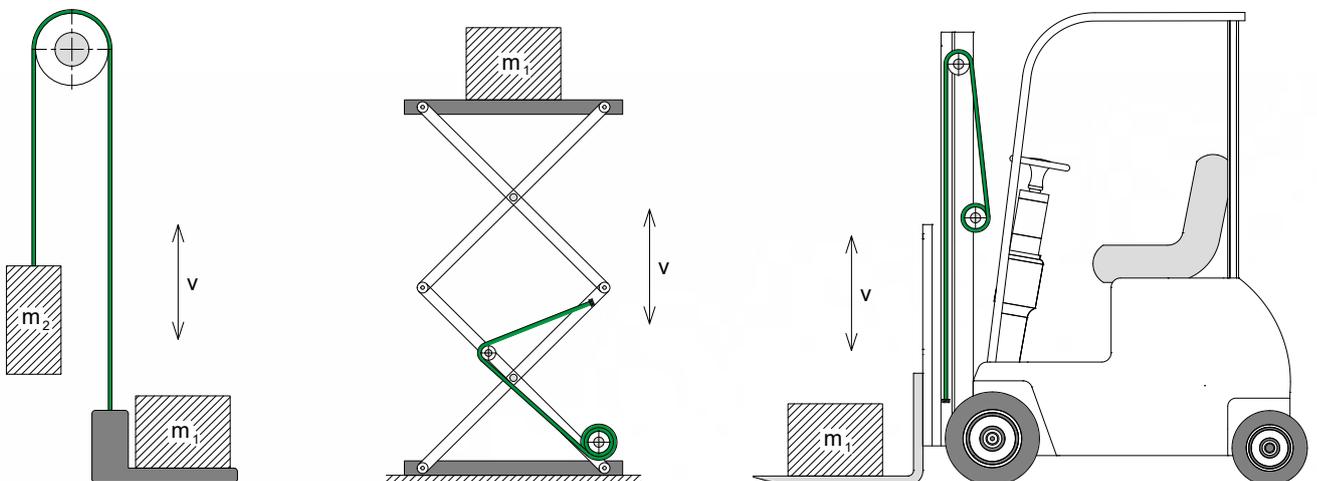
### Live roller drive belt



**Linear actuators** where high precision in indexing accuracy is not a primary requirement.



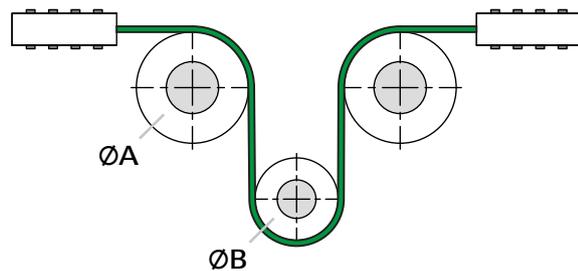
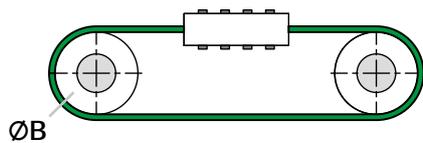
**Heavy-duty applications**, including open-belt vertical lifts for industrial and fitness equipment, scissor elevators, forklifts and others.



## Technical Data

HabaSYNC® Flat Belts feature cords tensile members and TPU matrix materials, available with different cord strength levels to meet the needs of various applications. For heavy-duty tasks, the steel cord member is utilized, offering exceptional strength and reliability, along with optimal thickness for enhanced durability. In high-humidity or wet environments, such as car washes, scissor lifts, or car body panel elevators in automotive plants, the CF (Closed Flight) version is available. This version includes fully encapsulated cords for enhanced protection and performance.

Current Portfolio belt	Cords Member	Thickness	TPU material	Color	Admissible tensile force	ØB	ØA
P2-S	Steel	2 mm	01	White	4200 N	50	90
	Steel	2 mm	06	Black	4200 N	50	90
P3-S	Steel	3 mm	01	White	9890 N	120	120
	Steel	3 mm	06	Black	9890 N	120	120
P3CF-S	Steel	3 mm	01	White	10790 N	120	120
	Steel	3 mm	06	Black	10790 N	120	120
P4CF-A	Aramid	4.6 mm	01	Dark Green	3600 N	100	100



## Scan for Product Data Sheets

P2-S	P3-S	P3CF-S	P4CF-A

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