

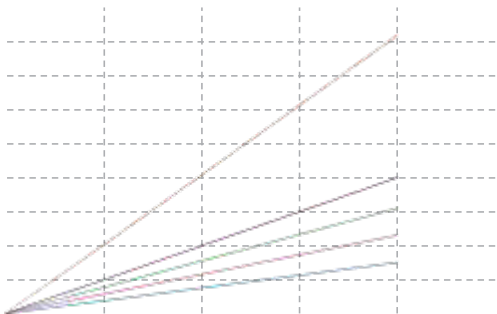
Polyurethane-synchronous band Kortibelt

Model: HTD 3M

Synchronous belt features

- Polyurethane synchronous belt of high strength wire core
- Metric pitch: 3mm
- Tooth shape conforms to the JB / T 7512 standard
- Circular arc teeth enable uniform load distribution of the belt, with high performance, high transmission torque and accurate tooth engagement
- Widely used in linear positioning and lightweight power transmission applications

Break tension / Break elongation

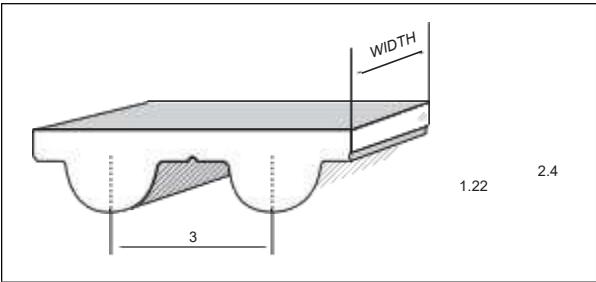


technical parameter

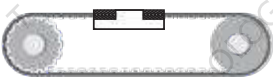

width	rated load	maximum load	Broken pull force	weight
	Open belt	Connecting belt	Open belt	
m m	N	N	N	kg /m
10	375	185	1500	0.02
15	575	285	2300	0.03
20	775	385	3100	0.04
25	1000	500	4000	0.06
50	2050	1025	8200	0.12

Tolerance range

Width tolerance: $\pm 0.5\text{mm}$
Length tolerance: $\pm 0.5\text{mm/m}$
Thickness tolerance: $\pm 0.2\text{mm}$



flexibility

Minimum number of belt				
HTD3M		Core type		
		standard	Kevlar	stainless steel
Undirectional bending transmission	locking-in range on synchronization Zmin	20		
	The minimum diameter of the idler gear running on toothed surfaces	30mm		
Transmission with reverse bending	locking-in range on synchronization Zmin	20		
	The minimum diameter of the idler gear running on the back of the drive belt	30mm		

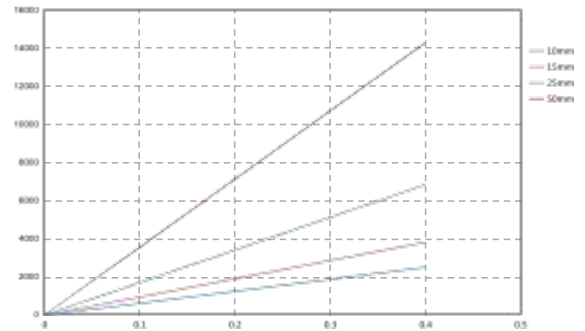
Polyurethane-synchronous band Kortibelt

Model : HTD 5M

Synchronous belt features

- Arc tooth high strength steel, silk core polyurethane synchronous belt
- Metric pitch: 5mm
- Tooth shape conforms to the JB / T 7512 standard
- Circular arc teeth can achieve uniform load distribution on the belt, with high performance. High transmission torque and precise tooth meshing
- Widely used in linear positioning and lightweight power transmission applications

Break tension / Break elongation



technical parameter

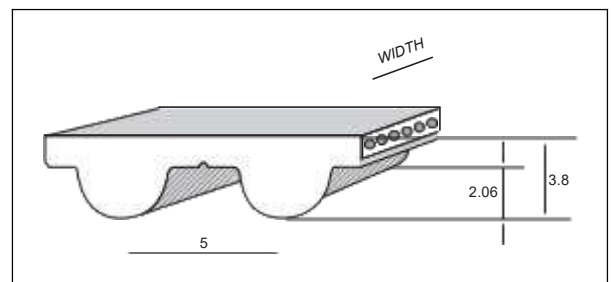
width	rated load	maximum load	Broken pull force	weight
	Open belt	Connecting belt	Open belt	
m m	N	N	N	kg /m
10	625	310	2500	0.03
15	950	475	3800	0.05
25	1700	850	6800	0.08
50	3550	1775	14200	0.16

Tolerance range

Width tolerance: $\pm 0.5\text{mm}$



Length tolerance: $\pm 0.8\text{mm/m}$

Thickness tolerance: $\pm 0.25\text{mm}$



flexibility

Minimum number of belt

HTD5M		Core type		
		standard	Kevlar	stainless steel
Undirectional bending transmission	locking-in range on synchronization Zmin	16		
	The minimum diameter of the idler gear running on toothed surfaces	30mm		
Transmission with reverse bending	locking-in range on synchronization Zmin	25		
	The minimum diameter of the idler gear running on the back of the drive belt	60mm		

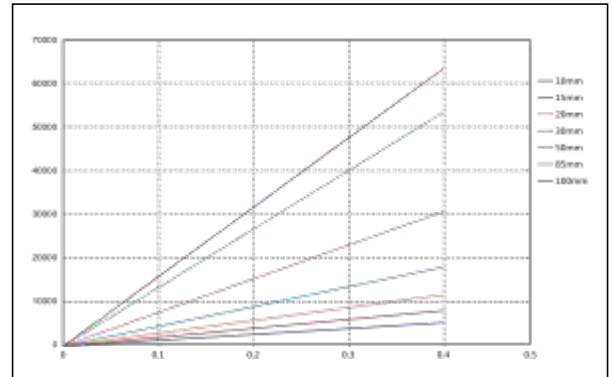
Polyurethane-synchronous band Kortibelt

Model : HTD 8M

Synchronous belt features

- Arc tooth high strength steel, silk core polyurethane synchronous belt
- Metric pitch: 8mm
- Tooth shape conforms to the JB / T 7512 standard
- Circular arc teeth enable uniform load distribution of the belt, with high performance, high transmission torque and accurate tooth engagement
- Widely used in linear positioning and medium power transmission applications

Break tension / Break elongation



technical parameter

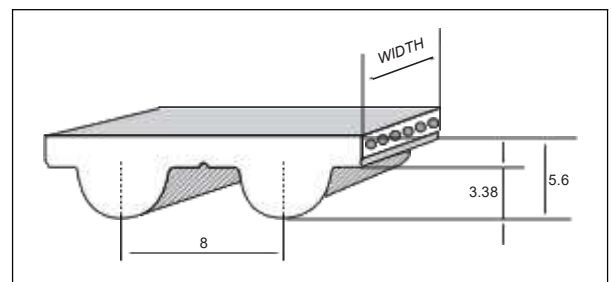
width	rated load	maximum load	Broken pull force	weight
	Open belt	Connecting belt	Open belt	
m m	N	N	N	kg /m
10	1350	675	5400	0.07
15	2025	1010	8100	0.09
20	2925	1460	11700	0.14
30	4500	2250	18000	0.18
50	7650	3825	30600	0.35
85	13300	6650	53200	0.59
100	15775	7885	63100	0.69

Tolerance range

Width tolerance: $\pm 0.5\text{mm}$

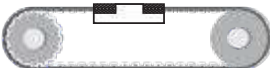

Length tolerance: $\pm 0.8\text{mm/m}$

Thickness tolerance: $\pm 0.3\text{mm}$



flexibility

Minimum number of belt

HTD8M		Core type		
		standard	Kevlar	stainless steel
Unidirectional bending transmission	locking-in range on synchronization Zmin	20		
	The minimum diameter of the idler gear running on toothed surfaces	50mm		
Transmission with reverse bending	locking-in range on synchronization Zmin	24		
	The minimum diameter of the idler gear running on the back of the drive belt	100mm		

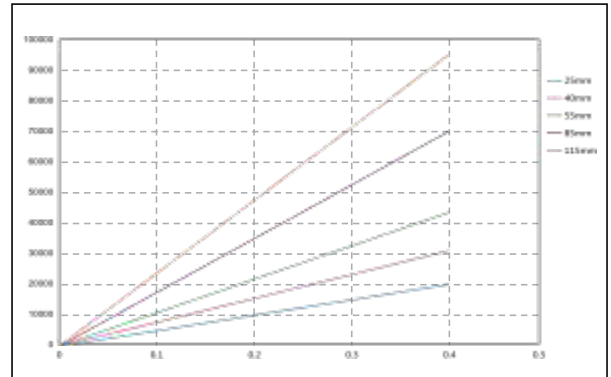
Polyurethane-synchronous band Kortibelt

Model : HTD 14M

Synchronous belt features

- Polyurethane synchronous belt of high strength wire core
- Metric pitch: 14mm
- Tooth shape conforms to the JB / T 7512 standard
- Circular arc teeth enable uniform load distribution of the belt, with high performance, high transmission torque and accurate tooth engagement
- Widely used in linear positioning and heavy-duty power transmission applications

Break tension / Break elongation



technical parameter

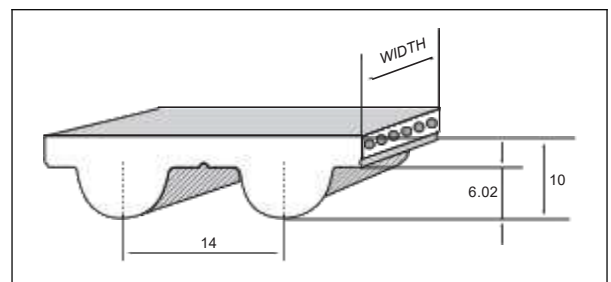
width	rated load	maximum load	Broken pull force	weight
	Open belt	Connecting belt	Open belt	
m m	N	N	N	kg /m
25	5050	2525	20200	0.26
40	7800	3900	31200	0.40
55	10925	5460	43700	0.56
85	17550	8775	70200	0.85
115	23800	11900	95200	1.15

Tolerance range

Width tolerance: $\pm 1.0\text{mm}$

Length tolerance: $\pm 0.8\text{mm/m}$

Thickness tolerance: $\pm 0.45\text{mm}$



flexibility

Minimum number of belt				
HTD14M		Core type		
		standard	Kevlar	stainless steel
Undirectional bending transmission	locking-in range on synchronization Zmin	26		
	The minimum diameter of the idler gear running on toothed surfaces	120mm		
	locking-in range on synchronization Zmin	28		
	The minimum diameter of the idler gear running on the back of the drive belt	180mm		