Polyurethane-synchronous band Kortibelt

Model : RPP 5M

Synchronous belt features

· Circular arc tooth type high strength steel wire core polyurethane synchronous belt

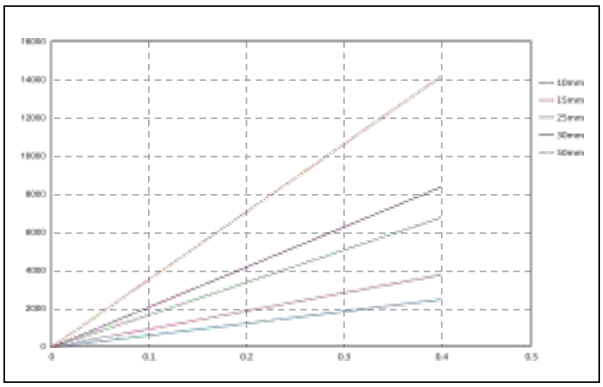
· Metric pitch: 5mm

· The tooth shape conforms to the GB / T 24619 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 light load power transmission applications

Break tension / Break elongation

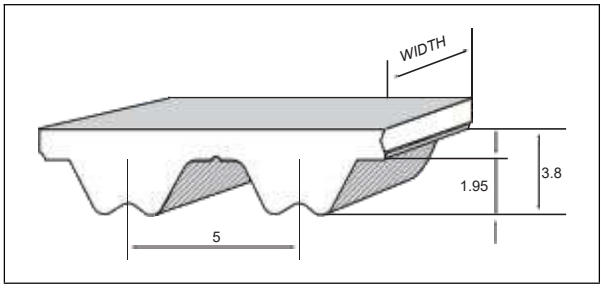


technical parameter

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	0.05
15	950	475	3800	0.07
25	1700	880	6800	0.12
30	2100	1050	8400	0.15
50	3550	1775	14200	0.23

Tolerance range

Width tolerance: ±0.5mm
Length tolerance:±0.8mm/m
Thickness tolerance:±0.25mm



flexibility

Minimum number of belt				
RPP5M		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		
	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 : RPP 8M

Synchronous belt features

· Circular arc tooth type high strength steel wire core polyurethane synchronous belt

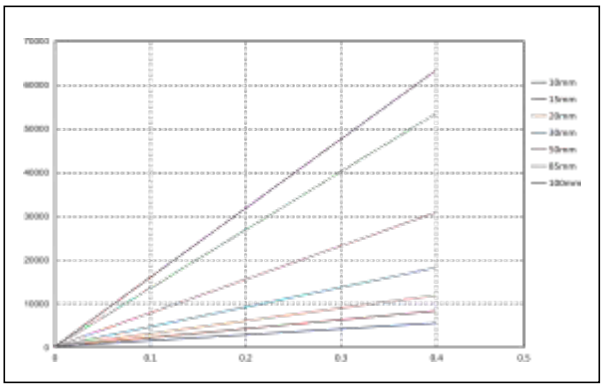
· Metric pitch: 8mm

· The tooth shape conforms to the ISO 13050 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

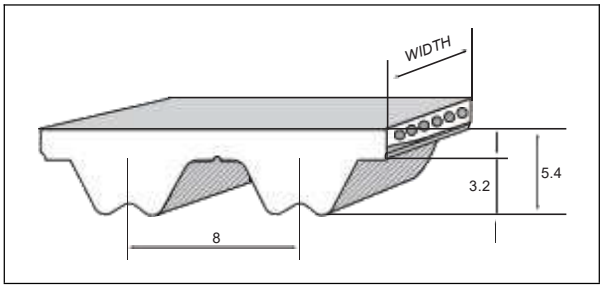


technical parameter

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	0.10
20	2925	1460	11700	0.14
30	4500	2250	18000	0.20
50	7650	3825	30600	0.35
85	13300	6650	53200	0.60
100	15775	7885	63100	0.70

Tolerance range

Width tolerance: ±0.5mm
Length tolerance:±0.8mm/m
Thickness tolerance:±0.3mm



flexibility

Minimum number of belt				
RPP8M		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	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 : RPP 14M

Synchronous belt features

· Circular arc tooth type high strength steel wire core polyurethane synchronous belt

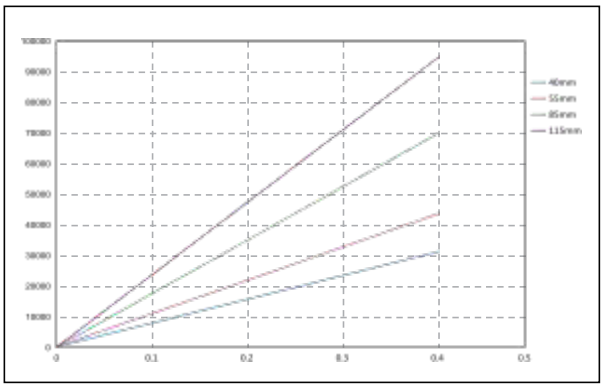
· Metric pitch: 14mm

· The tooth shape conforms to the ISO 13050 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

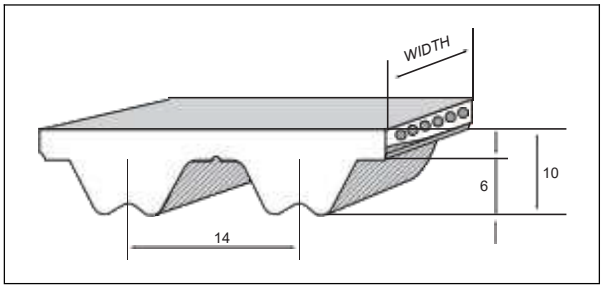


technical parameter

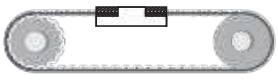
width	rated load	maximum load	Broken pull force	weight
	Open belt	Connecting belt	Open belt	
m m	N	N	N	kg /m
40	7800	3900	31200	0.48
55	10925	5460	43700	0.68
85	17550	8775	70200	1.00
115	23800	11900	95200	1.40

Tolerance range

Width tolerance: ±1.0mm
Length tolerance:±0.8mm/m
Thickness tolerance:±0.45mm



flexibility

Minimum number of belt				
RPP14M		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		
Transmission with reverse bending	locking-in range on synchronization Zmin	28		
	The minimum diameter of the idler gear running on the back of the drive belt	180mm		