(IV) Bancollan Round Belt

1. An Introduction

Our company sells a long linear Bancollan round belt (jointing type). Recently, demand has increased for round belts with no need for jointing and outstanding operations in low temperatures, meant for use in office equipment and laser equipment. In order

to satisfy clients' needs, our company has enhanced this belt's quality for an even higher-performing round belt- the Bancollan round belt.

Features

· Simple Belt Installation

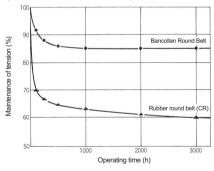
Even when there is a fixed spacing between axles, installation remains very simple. There is no need for sliding pulleys, as is required when using belts with tensile members, or for adjustments to tensioning, thereby cutting down on the time required for installation.

· Stable Tension

For belts without tensile members, stable tension is extremely important to their overall performance. When comparing Bancollan round belts with general rubber round belts or belts with tensile members, fewer changes in tension due to bending or permanent elongation is found, meaning that maintenance is basically unnecessary.

Image 1 Changes in the Bancollan Round **Belt's Tension**

(6% Initial Rate of Extension)



· Smooth Start-up, Even in Low Temperatures

Because polyurethane rubber with a special formula has been used, even in a -20°C environment, there is no sign of hardening, (permanent) bending and creasing, or other such phenomena, meaning start-up can proceed smoothly as there are no accidents resulting from increases in start-up torques.

Examples of Use

Office Equipment

Photocopiers

Fax machines

Power typewriters

Registers

Ticket vending machines Currency exchange machines

Automated ticketing machines

Pricing machinery

Automated cash machines

Laser Instruments · Audio Equipment

Tape decks

VTR

Others

Super compact fans Atmospheric pollution measuring machines

Vacuum cleaners Spectrum analysis

Agitators Tabletop winders

Roller conveyors

Rotating lights

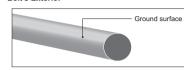
Grinders

Structure and Features

When purchasing a Bancollan round belt, please be sure to abide by the dimensions listed in Table 1. Because these products are made to order, please enquire with our company for information about the date of delivery, batch sizes, and prices.

· Belt's Exterior

Bancollan Round Belt



· Example of Belt Labeling



Dimensional labeling is applied to each individual package using a designated label.

Belt's Basic Qualities

Items Materials		# 267WLS	
Hardness		72° (JIS)	
SI	pecific weight	1.26	
Stretching stress	When stretched by 4%	35 (Pa)	
	When stretched by 6%	50 (Pa)	
	When stretched by 8%	64 (Pa)	
Stretching strength		Over 3000 (N/cm ²)	
Extent of stretching at the point of breaking		600 (%)	

Permitted Deviations in Dimensions

· Permitted Differences in Belt's Profile

Unit: m					
Profile diameter	2	3	4	5	
Permitted deviations	±0.15	±0.15	±0.20	±0.25	

Unit: mm

· Belt Lengths

Permitted deviations		
±2.0		
±3.0		
±4.0		

Belt Dimensions

· Table 1 Table of Standard Belt Dimensions (K-type)

82 86.9 140 148.4 91 96.5 160 169.6 169.6 1000 106.0 170 180.2 1107 113.4 175 185.5 112 118.7 200 212.0 212.0 122.5 225.8 130 137.8 230 243.8 134 142.0 235 249.1 136 144.2 240 254.4 140 148.4 250 265.0 265.0 147 155.8 258 273.5 152 161.1 264 279.8 160 169.6 275 291.5 170 180.2 284 301.0 180 190.8 285 302.1 180 190.8 285 302.1 180 190.8 285 302.1 180 190.8 285 302.1 180 190.8 285 302.1 180 190.8 285 302.1 180 190.8 285 302.1 180 212.0 305 323.3 213 225.8 316 323.3 324.4 256.6 335 355.1 227 240.6 323 335.0 217 244.4 256.6 335 355.1 362.7 399.6 366.8 273 289.4 361 382.7 399.6 366.8 273 289.4 361 382.7 399.6 307.4 470 498.2 374 399.6 385.1 152 121.9 122.2 500 572.4 1138 146.3 39.9 148.4 155.0 24.1 155 121.9 170.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 180.1 190.1 180.1 180.1 190.1 140.1 180.1 180.1 180.1 190.1 140.1 180.1 180.1 180.1 190.1 140.1 180.1 180.1 180.1 180.1 190.1 140.1 180.1 1	ф	2	φ4			
91			Belt Lengths	Effective central lengt		
91	82	86.9	140	148 4		
107	91	96.5	160	169.6		
112	100		170			
120	112	118.4	200	212.0		
130		127.2	213	225.8		
134		132.5				
136	130					
140	136	144.2	240	254.4		
152	140	148.4	250	265.0		
152	145	153.7 155.8	254 258	269.2 273.5		
160	152	161.1	264	279.8		
180			275			
183	1/0					
190	183	194.0	290	307.4		
213	190	201.4	300	318.0		
2277 240.6 323 342.4 351.9 244 258.6 335 355.1 355.5 265.0 265.0 346 362.7 389.0 307.4 367 389.0 387.4 396.4 370 392.2 374 396.4 377 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6 387 389.6	200	212.0	305	323.3		
239 253.3 332 351.9 250.6 250 266.0 346 366.8 355.1 273 289.4 361 382.7 389.0 307.4 367 389.0 370.3 392.2 470 498.2 374 399.6 4 370 399.6			323	342.4		
250 265.0 346 366.8 367.3 289.0 307.4 367 389.0 307.4 367 389.0 37.4 396.4 370 392.2 374 396.4 385.4 408.1 390 413.4 415 21.9 474 502.4 502.4 155.0 159.0 155.5 164.3 160 169.6 174.9 220 233.2 172 182.3 230.1 182.3 192.9 248.2 225 238.5 182.1 170 180.2 225 238.5 182.1 170 180.2 225 238.5 182.1 170 180.2 225 238.5 182.1 190 201.4 220.6 233.2 172 182.3 230.2 243.8 182 192.9 248 262.9 190 201.4 250.2 255 265.0 265	239	253.3	332	351.9		
273 289.4 361 382.7 444 470.6 370 392.2 470 498.2 374 399.6 398.9 413.4 415 439.9 415.4 415.8 415.8 415.4 415.8 415.8 415.4 415.8 415.8 415.8 415.8 415.4 415.8 415			335	355.1		
d444 470.6 370 392.2 374 399.6 398.5 408.1 115 121.9 120 127.2 500 530.0 572.4 138 146.3 160 165 174.9 170 180.2 225 238.5 170 180.2 225 238.5 170 180.2 225 238.5 182 199.9 248 262.9 190 201.4 250 265.0 230.2	273	265.0 289.4	340 361	382.7		
A70		307.4	367	389.0		
Self Lengths Effective central length 115		470.6	370	392.2		
Belt Lengths Effective central length 115 439 9 413 4 415 439 9 413 4 415 439 9 413 4 415 439 9 413 4 415 439 9 413 4 415 439 9 413 4 415 439 9 413 4 415 439 9 570 500 530 0						
115	ф	3	385	408.1		
120	Belt Lengths	Effective central length	390	413.4		
120	115	121 9	415 474	439.9 502.4		
138		127.2	500	530.0		
140						
153 162.2 200 212.0 166.6 169.6 210 222.6 165.5 164.3 210 222.6 165.5 174.9 220 233.2 170 180.2 225 238.5 180 180.8 190.8 247 261.8 182 192.9 248 262.9 190 201.4 250 265.0 200 212.0 275 291.5 204 216.2 290 307.4 213 225.8 300 318.0 223 236.4 305 323.3 236.4 305 323.3 236.4 305 323.3 236.4 305 323.3 236.2 250.2 330 349.8 240 254.4 345 365.7 250 266.0 348 368.9 260 275.6 363 384.8 275 291.5 291.5 292.2 299.9 380 402.8 285 302.1 384 407.0 290 307.4 402 426.1 305 323.3 308 326.5 349.8 407.4 305 323.3 308 326.5 377.4 305 323.3 349.8 400 424.0 305 323.3 349.8 400 424.0 330 349.8 346.3 376 384.8 376 384.8 377.4 363 384.8 376 389.6 402 426.1 347.6 365.8 440 466.4 34	140	148.4	φ5			
155			Belt Lengths	Effective central lengt		
160	155	164.3	200	212.0		
170 180.2 225 238.5 172 182.3 230 243.8 180 190.8 247 261.8 182.9 248 262.9 190 201.4 250 265.0 200 212.0 275 291.5 204 216.2 290 307.4 250 265.		169.6	210	222.6		
172 182.3 230 243.8 180 190.8 247 261.8 262.9 190 201 4 250 265.0 265.0 200 212.0 275 291.5 204 216.2 290 307.4 213 225.8 300 318.0 223 236.4 305 323.3 243.8 310 328.6 250.2 330 349.8 250.2 330 349.8 266.0 275.6 363 384.8 368.9 260 275.6 363 384.8 368.9 275 291.5 282 298.9 380 402.8 285 302.1 384 407.0 285 302.1 384 407.0 290 307.4 402 426.1 305 323.3 349.8 366.5 347.4 363 326.5 340.6 466.4 366.4 37.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 363 376 398.6 377.4 364.8 376 398.6 377.4 365.8 377.4 367.8 378.6 377.4 367.8 378.6 377.4 368.9 378.6 377.4 368.9 378.8 376 398.6 377.4 368.9 378.8 376 398.6 377.4 368.9 378.8 376 398.6 377.4 368.9 378.8 378.8 376 398.6 377.4 368.9 378.8			220	233.2		
180	172					
190	180	190.8	247	261.8		
204 216.2 290 307.4 213 225.8 300 318.0 318.0 233 236.4 305 323.3 230 243.8 310 328.6 250.2 330 349.8 240 254.4 345 365.7 250 265.0 348 368.9 260 275.6 363 384.8 275 291.5 375 397.5 282 298.9 380 402.8 285 302.1 384 407.0 290 307.4 402 426.1 305 323.3 422 447.3 308 326.5 440 466.4 330 349.8 366.3 347 367.8 377.4 363 384.8 376 387.4 363 384.8 376 387.4 363 386.6 377.4 363 386.6 377.4 363 386.6 377.4 363 386.6 377.4 366.8 5726.1 377.4 363 384.8 376 387.6		192.9	248			
204 216.2 290 307.4 213 225.8 300 318.0 318.0 233 236.4 305 323.3 230 243.8 310 328.6 250.2 330 349.8 240 254.4 345 365.7 250 265.0 348 368.9 260 275.6 363 384.8 275 291.5 375 397.5 282 298.9 380 402.8 285 302.1 384 407.0 290 307.4 402 426.1 305 323.3 422 447.3 308 326.5 440 466.4 330 349.8 366.3 347 367.8 377.4 363 384.8 376 387.4 363 384.8 376 387.4 363 386.6 377.4 363 386.6 377.4 363 386.6 377.4 363 386.6 377.4 366.8 5726.1 377.4 363 384.8 376 387.6		212.0	275	291.5		
223 236.4 305 323.3 236.2 36.2 37.2 37.5 281.2 3			290	307.4		
230 243.8 310 328.6 236 250.2 330 349.8 365.7 250 265.0 348 369.9 275.6 363 384.8 275 291.5 375 397.5 397.5 282 298.9 380 402.8 285 302.1 384 407.0 290 307.4 402 426.1 305 323.3 4422 447.3 308 326.5 440 466.4 330 349.8 460 487.6 356 377.4 363 384.8 376 384.8 376 398.6 377.4 363 390 413.4 400 424.0 430 455.8 441 467.5 450 477.0 426.1 1ength without elongation.						
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347 367.8 356 377.4 363 384.8 376 398.6 390 413.4 400 424.0 430 455.8 441 467.5 450 477.0	308	326.5 349.8		466.4 487.6		
356 377.4 363 384.8 376 398.6 390 413.4 400 424.0 430 455.8 441 467.5 450 477.0 384.8 396.6	347	367.8	685	726.1		
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390 413.4 400 424.0 430 455.8 441 467.5 450 477.0 470 description a 6%	376	398.6				
400 424.0 430 455.8 refers to the belt's central 441 467.5 length following a 6% 477.0 elemention	390	413.4				
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