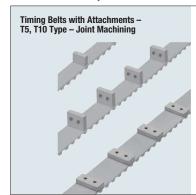
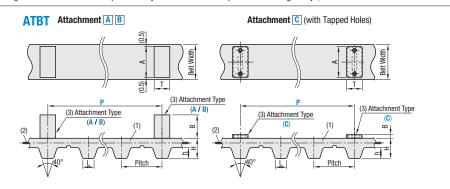
Add. Spec. Printed in Red

Timing Belts with Attachments

T5, T10 Type – Joint Machining

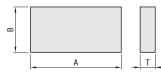
Attachments are thermally bonded to the backside of the Timing Belt. It enables a constant pitch conveyance of various work pieces. For Timing Pulleys, refer to P.1380-1382.





Attachment Shape Details

Attachment A



Operating Temperature -20-70°C

	Material
(1) Main Body	Polyurethane (for Joint Process)
(2) Core Wire	Aramid Core Wire
(3) Attachment	Polyurethane (for Joint Process)

Туре	Pitch	Н	h	L
T5	5	2.2	1.2	1.8
T10	10	4.5	2.5	3.5

Attachment A Dimensions

Туре	Belt Width (mm)	A	В	Т	Belt Unit Mass g/m (Width: 10 mm)	Attach. Mass (g)	Pulley Minimum Number of Teeth
	10	9				0.34	
T5	15	14	10	3	20.0	0.52	12
10	20	19				0.71	12
	25	24				0.89	
	15	14				0.86	
	20	19	10	5	40.0	1.17	
T10	25	24				1.47	14
T10	30	29	15		40.0	2.67	14
	40	39	10			3.59	
	50	49	20			6.02	

- *B dimension is a dimension after adhesion.
- Operating Temperature -20 to 70°C (Reference Value).
- ① The attachment is mounted on the backside above the belt teeth. ① Attachment C is mounted on the center of the belt.
- Jointing process reduces allowable tension to approx. 50% of open end belts
- Adhesion burrs are now same level as NB alteration due to the process improvement.

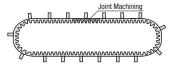
Tolerance of Mounting Pitch Attachment (mm)

	<u> </u>
Mounting Pitch	Tolerance of Mounting Pitch
30–200	±0.5
300-	±1.0

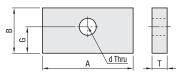
Joint Process

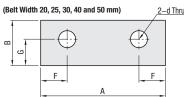
The Open End Belt can be changed to an endless belt by heat-sealing the ends of the Open End Belt.

Core wires of the joint part are not connected.



Attachment B (Belt width 10 and 15mm)

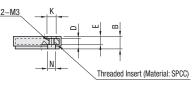




Attachment (c) (with Tapped Holes)



Attachment C Dimensions



Attachment B Dimensions

Туре	Belt Width (mm)	А	В	d (Through Hole)	G	F	т	Belt Unit Mass g/m (Width: 10mm)	Attach. Mass (g)	Pulley Minimum Number of Teeth
	10	9	10	3.5	5.5				0.30	
T5	15	14	15	4.5	9		3	20.0	0.72	12
10	20	19	10	2-4.5	9	5	٥	20.0	0.94	12
	25	24	20	2-5.5	13	6			1.61	
	15	14	15	4.5	9	_			1.19	
	20	19	15	2-4.5	9	5	1		1.55	
T10	25	24		2-5.5		6	5	40.0	2.66	1.4
110	30	29	20		12		э	40.0	3.15	14
	40	39	20	2-6.5	13	7			4.38	
	50	49							5.61	
*B and	d G dime	nsio	ns a	re dime	nsio	ns a	fter	adhesion.		

Туре	Belt Width (mm)	Α	В	т	С	D	E	K	N	Belt Unit Mass g/m (Width: 10 mm)	Attach. Mass (g)	Pulley Minimum Number of Teeth
	25		0.5	7.0	15.0	2.0	F 0	4.0	4.0	40.0	3.9	20
T10	30	25.0										
T10	40	25.0	0.5	7.0	15.0	3.2	5.0	4.0	4.0	40.0	3.8	20
	50											

For material properties of polyurethane for joint process, refer to P.1441.

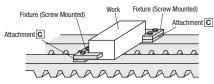
- For allowable tension of belts and documents for design, refer to P.3970.
- If the attachments are to receive vibrations or large loads, test the applicability before using.

Attachment Dimension Tolerance (mm)

Dimensions	Dimension Tolerance
Α	±0.5
В	±0.5
Т	±0.5
С	±0.1

Application Example Work Fixture Attachment B

 $\begin{array}{lll} \textbf{Attachment} \ \textbf{$\overline{\textbf{B}}$ allows mounting} \\ \textbf{of work-piece specific fixtures}. \end{array}$



Attachment © allows screw-mounting of fixtures/ brackets from above, providing freedom in work-piece heights and shapes.

There's more on the web: misumiusa.com

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Timing Belts with Attachments

T5, T10 Type – Joint Machining, continued

Type T5 (Pitch: 5 mm)

	Part N	umber		Attachment Mounting Pitch P	
Туре	/pe Belt Circumference Length (mm) Belt Shape		Belt Width		
ATBT	700–4000 (5 mm Increment)	Т5	100 (10 mm) 150 (15 mm) 200 (20 mm) 250 (25 mm)	В	30–4000 (5 mm Increment)

Type T10 (Pitch: 10 mm)

	Part N	umber			Attachment	
Туре	Belt Circumference Length (mm)	Belt Shape Belt Width		Attachment Type	Mounting Pitch P	
			150 (15 mm)			
			200 (20 mm)	Α	30–4000	
ATBT	700–4000	T10	250 (25 mm)	В	(10 mm Increment	
	(10 mm Increment)		300 (30 mm)		* For Attachment (
			, ,	C	40-4000 (10 mm Increment	
			400 (40 mm)			
			500 (50 mm)			

- ① Attachments are available from one piece.
- ① When 1 attachment is specified, please make the attachment mounting pitch (P) same as the belt circumference length.
- ① Select a mounting pitch for attachment that belt circumference length is divisible by integers.
- (Ex.) T5 Type, when belt circumference is 1050

[Good Ex] 1050/30=35 [Good Ex] 1050/50=21 [Good Ex] 1050/350=3

[Bad Ex] 1050/100=10.5

Attachment Mounting Pitch 30, 50 and 350 are selectable, but 100 is not selectable.



r		BT 1200T10 200		Attachment Type		Attachment Mounting	
	Туре	Belt No.	Belt Nominal Width]	(A / B / C)		Pitch P
	ATBT	1200T10	200	-	Α	-	P100
	ATRT	2450T10	300	-	C	-	P2450

When specifying one attachment, select a mounting pitch of the same number as belt number.
 Select a mounting pitch for attachment that belt circumference length is divisible by integers.

Belt Shape	Belt	Attachment Available Sizes				
beit Silape	Nominal Width	Α	В	C		
	100					
T5	150					
15	200					
	250			_		
	150		•			
	200	ľ				
T10	250					
T10	300					
	400			•		
	500					