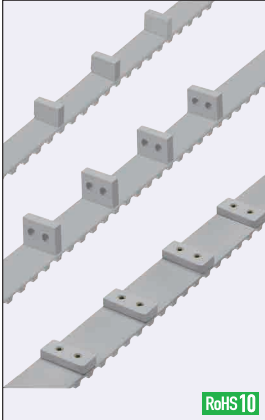


Timing Belts with Attachments (T5, T10)

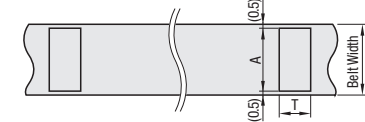
Jointing Process

Features: Attachments are thermally bonded to the backside of the Timing Belt enabling constant pitch conveyance of various work pieces.
Timing Belt with Attachment T5 is compatible with Timing Pulley T5 on P.1417 and Timing Belt with Attachment T10 is compatible with Timing Pulley T10 on P.1419.

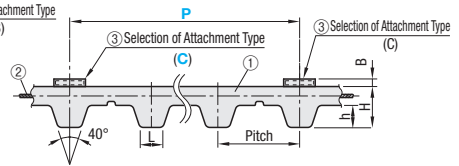
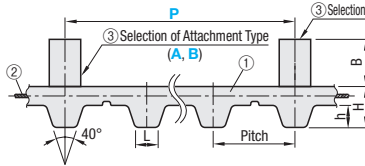
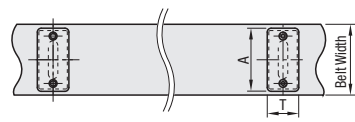


RoHS10

ATBT • Attachment A B

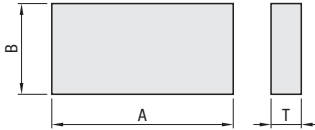


• Attachment C (with Tapped Holes)



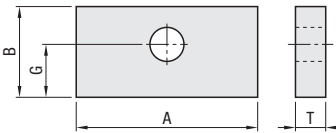
Attachment Shape Details

• Attachment A

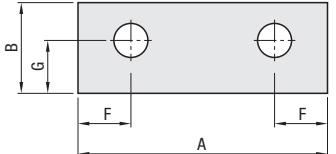


• Attachment B

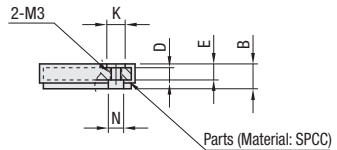
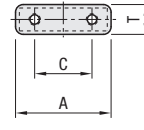
<Belt Width: 10, 15mm>



<Belt Width: 20, 25, 30, 40, 50mm>



• Attachment C (with Tapped Holes)



Parts (Material: SPCC)

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

Type	Pitch	H	h	L
T5	5	2.2	1.2	1.8
T10	10	4.5	2.5	3.5

• Attachment A Dimension

Type	Belt Width	A	B	T	Belt Unit Mass g/m (Width:10mm)	Attachment Weight (g)
T5	10mm	9	10	3	20.0	0.34
	15mm	14				0.52
	20mm	19				0.71
	25mm	24				0.89
T10	15mm	14	10	5	40.0	0.86
	20mm	19				1.17
	25mm	24				1.47
	30mm	29				2.67
	40mm	39	15			3.59
	50mm	49	20			6.02

• Attachment B Dimension

Type	Belt Width	A	B	Through Hole	G	F	T	Belt Unit Mass g/m (Width:10mm)	Attachment Weight (g)
T5	10mm	9	10	3.5	5.5	-	-	20.0	0.30
	15mm	14	15	4.5	-	9	5		0.72
	20mm	19		2-4.5	-	5	6		0.94
	25mm	24	20	2-5.5	13	6	-		1.61
T10	15mm	14	15	4.5	-	9	-	40.0	1.19
	20mm	19		2-4.5	-	5	5		1.55
	25mm	24		2-5.5	-	6	-		2.66
	30mm	29	20	-	13	7	5		3.15
	40mm	39		2-6.5	-	-	-		4.38
	50mm	49							5.61

• Attachment C Dimension

Type	Belt Width	A	B	T	C	D	E	K	N	Belt Unit Mass g/m (Width:10mm)	Attachment Weight (g)
T10	25mm	25.0	6.5	7.8	15.0	3.2	5.0	4.8	4.0	40.0	3.9
	30mm										
	40mm										
	50mm										

* B dimension is a dimension after adhesion.

* B and G dimensions are dimensions after adhesion.

Operating Temp.: -20 ~ 70°C (Reference Value)

Attachment is mounted on the backside above the belt teeth.

Attachment C is mounted nearly on the center of the belt.

Jointing process reduces allowable tension to approx. 50% of Open End Belts.

Adhesion burrs occur at the base of the adhered attachment.



For material properties of polyurethane for joint process, see P.1478.

For allowable tension of belts and design data, see P.2253.

If the attachments are to receive vibrations or large loads, test the applicability before using.

• Mounting Pitch Tolerance of Attachment (Unit: mm)

Mounting Pitch	Tolerance of Mounting Pitch
30~200	±0.5
300~	±1.0

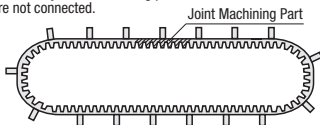
• Attachment Dimension Tolerance (Unit: mm)

Dimension	Dimension Tolerance
A	±0.5
B	±0.5
T	±0.5
C	±0.1

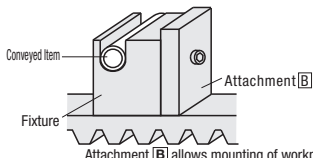
Jointing Process

Open ended belts are made endless by thermal bonding process.

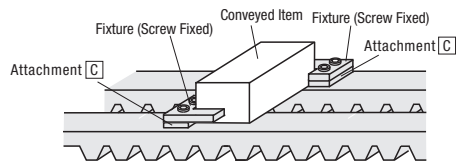
Core wires of the joint part are not connected.



Example



Attachment B allows mounting of workpiece specific fixtures.



Attachment C allows screw-mounting of fixtures/brackets from above, providing freedom in workpiece heights and shapes.