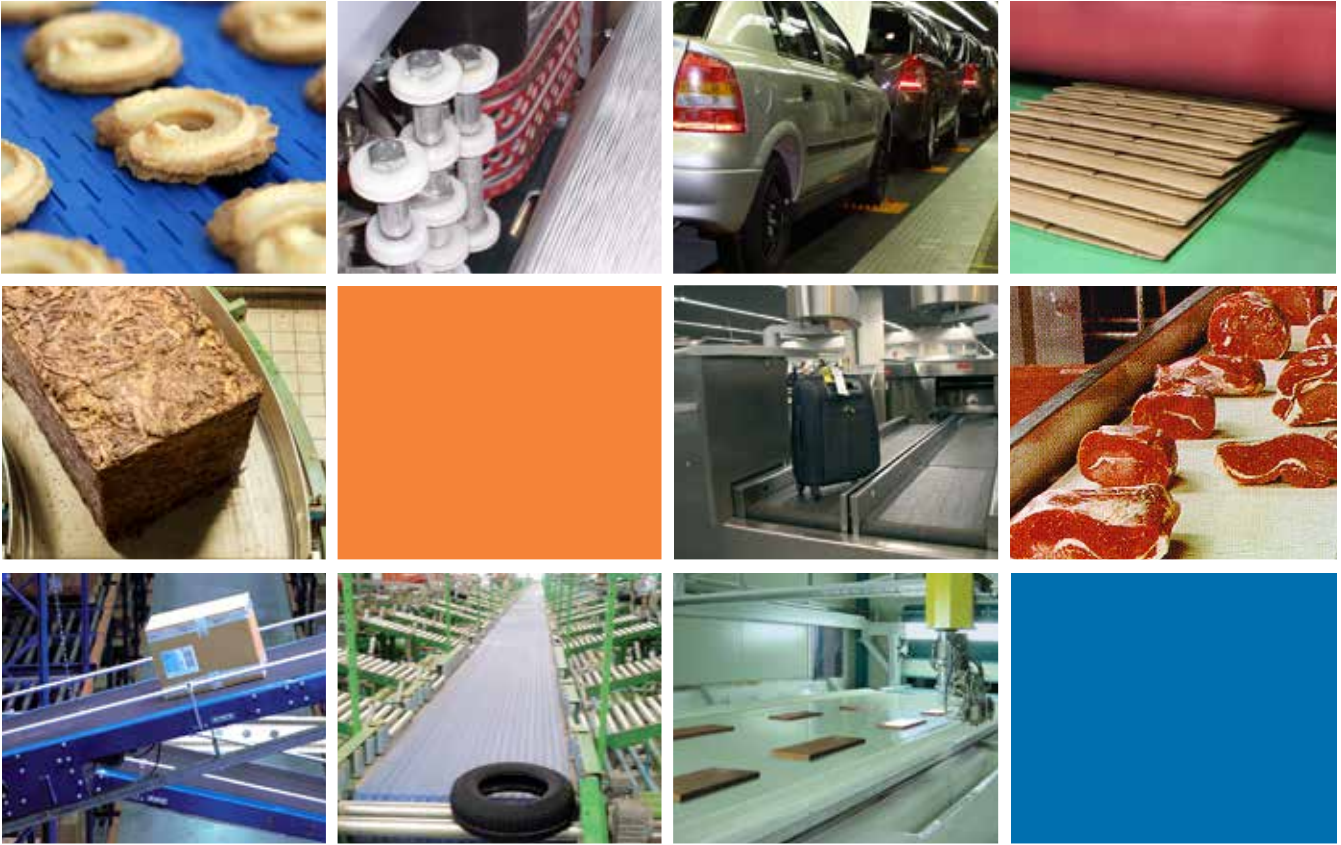




# Timing & Engineered Belts

Helping to drive your business forward

# Helping to drive your business forward



Ammeraal Beltech is a world-leading manufacturer of process and conveyor belts for a widely diverse range of applications in nearly every major industry.

Our aim is to be the recognized leader everywhere we do business. To help achieve that goal, our international growth and expansion programme has brought some of the top brands in belting into our group.

Our products and services are available directly and through partners in more than 150 countries. We have production plants in six countries and 26 operating companies worldwide, each with their own local customer service network. More than 2,000 employees in over 80 service centres provide standard and tailor-made solutions together with on-site service, often on a 24-hour-a-day basis.

## One-Stop Belt Shop

Ammeraal Beltech is a leading global company and a true One-Stop Belt Shop providing services and solutions to help process and convey an extraordinary range of products. Our success is based on our close cooperation with customers and the control we have over the value chain – design and development, manufacturing, fabrication, sales and servicing. You can find all the belting products and services you need from Ammeraal Beltech, saving you time and money on purchasing and logistics. However you're conveying or processing, we can offer you the right solutions.

local stock  
quick belt replacement  
short delivery time  
24/7 service



# What you can expect from us

## Service

We understand the importance of keeping business operations running smoothly and we know how costly and disruptive down-time can be. That is why we offer a local service network that is often available around the clock. Our skilled and experienced personnel are on call to install and service the entire range of the Ammeraal Beltech product portfolio.

In addition, we ship most orders directly from the extensive stocks we maintain. If requested, we can even dispatch orders on the same day by express delivery.



## Innovation

In every industry, improvements in production mean new process solutions have to be found. Working together with our customers and with leading research institutions, Ammeraal Beltech has developed many different conveying concepts.

Within our purpose-built R&D centres, we are continuously optimising and improving our products. We work to meet new challenges, such as higher operating speeds and temperatures, increased cleanability and durability, and ever more stringent standards of hygiene and safety.

Our sales engineers have the technical proficiency to develop a belt that performs under the most challenging operating conditions. What's more, because Ammeraal Beltech manages every aspect of the belting quality – from fabric to final installation – we are confident in our ability to deliver the right belt for the right job, every time.

## Industry experience

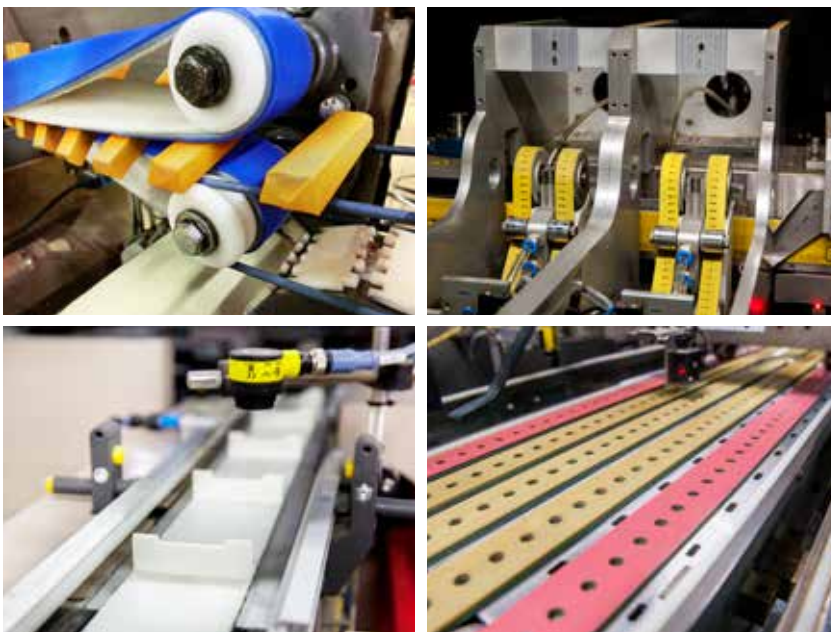
We provide belts for nearly every industry, and we've been doing so for a long time. Decades of experience go into every belting solution we provide. The knowledge and the expertise we have built up gives us a clear understanding of each customer's specific requirements and how to meet them.



# Timing Belts – precision and reliability

More and more industries around the world are relying on the advantages that Ammeraal Beltech Timing Belts offer.

From slip-free or synchronous conveying to precise positioning, our Timing Belts deliver perfect performance and are your guarantee that everything will be where it needs to be, when it needs to be there.



Ammeraal Beltech Timing Belts are at work in a wide range of industrial applications and environments:

- Airport baggage handling systems
- Logistics industry
- Food industry
- Print & Paper industry
- Packaging industry
- Wood industry
- Ceramic industry
- Automotive industry
- Tobacco industry
- Chemical industry
- Glass processing
- Linear positioning
- Electronics assembly lines
- Power transmission

» Positive drive for repetitive exact positioning of your product

» Combinations of base belts, covers and machining options that allow us to design a belt that exactly suits your needs

» The highest quality polyurethane with excellent wear resistance for long belt life and low maintenance cost

» Tooth engagement for 100% slip-free drive belts with strong yet flexible tensile members for low belt stretch and small pulley diameters, enabling light and compact machine design

**Exact positioning**

**Process optimisation**

**Cost-efficient**

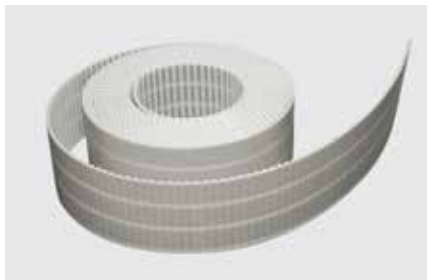
**Low-cost conveyor design**



# Our comprehensive range

Our Timing Belts are available with many different features and in many different shapes and sizes, each designed to meet your particular requirements. Our Timing Belt Catalogue offers full technical information and a complete overview of what we can provide for you.

## PU Linear



### Open length thermoplastic PU Timing Belts

A versatile belt for automation and material handling equipment, mainly for linear and conveying purposes

- Open end rolls or endless jointed
- Standard roll length 100 m  
Min. jointed length 500 mm
- Material: thermoplastic PU with steel or aramid cords
- Accessories: Vee-guides, cleats, covers

#### Typical applications

- Open length belts:
  - › Automation and material handling equipment, horizontal and vertical doors, printing applications, automatic assembly operations, automatic storage and retrieval systems, fabric cutting machines, woodworking machines, glass cutting, scanner movement and robotics
- Endless jointed belts:
  - › In general, for synchronised conveying and positioning, assembly, packaging, inserting and other automation equipment; particularly useful for sheet metal and sheet glass transport systems, food conveying, print and paper applications, conveying applications for wood and related industries

## PU Torque



### Truly endless thermoplastic Timing Belts – produced per customer order

A belt for high tension conveying, positioning and power transmission applications

- Truly endless, no joint
- Length: 0.9 m – 24.0 m  
all lengths available depending on tooth pitch
- Material: thermoplastic PU with steel cords (spirally wound)
- Accessories: Vee-guides, cleats, covers

#### Typical applications

- High tension conveying and positioning applications giving longer life compared to spliced or welded belts
- General industry drive belts for use in wood, printing, paper converting and textile industries

## PU Moulded



### Endless moulded thermoplastic PU Timing Belts – produced in sleeves at standard lengths and cut to requested belt width

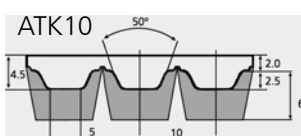
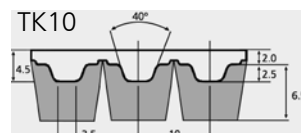
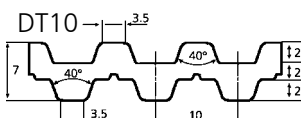
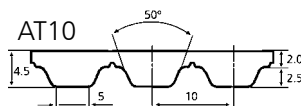
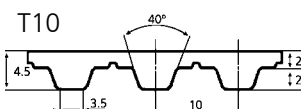
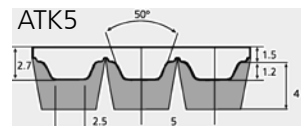
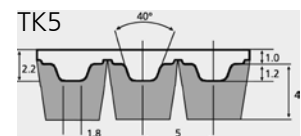
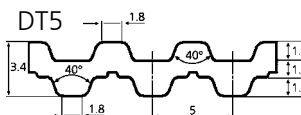
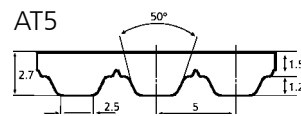
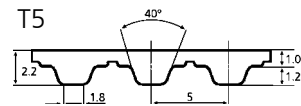
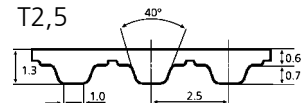
A belt which can be used as a drive, conveying and positioning belt in many sectors of industry, from very light operations to high-performance applications

- Truly endless, no joint
- Standard lengths  
(min. 112 mm, max. 2250 mm)
- Material: thermoset PU with steel, stainless steel, aramid or fiberglass cords (spirally wound)
- Accessories: wide range of covers

#### Typical applications

- Many sectors of industry, from very light miniature drives to high-performance applications
- Ideal for high speed and high torque drive belts; also suitable for short conveying and positioning applications

# Technical Specifications



Type	Belt data			Minimum pulley diameter					
	pitch [mm]	thickness (moulded) [mm]	weight [kg/m <sup>2</sup> ]	a) without counter flexing			b) with counter flexing		
				d1 [mm]	t1 [-]	d2 [mm]	d1 [mm]	t1 [-]	d2 [mm]
T2.5 steel	2,5	1,6 (1,3)	1,1	7,46	10	15	11,44	15	15
T5 steel *	5,0	2,2	2,1	15,05	10	30	23,05	15	30
T5 steel NTB AS	5,0	2,2	2,1	15,05	10	30	23,05	15	30
T5 aramid	5,0	2,2	2,0	15,05	10	25	23,05	15	25
AT5 steel	5,0	2,7	3,4	22,64	15	30	38,56	25	60
ATL5 steel	5,0	2,7	3,8	38,56	25	40	38,56	25	60
TT5 steel	5,0	2,8	2,7	23,05	15	30	38,92	25	40
TT5 aramid	5,0	2,8	2,6	23,05	15	30	38,92	25	40
DT5 steel	5,0	2,2	2,7	15,05	10	30	23,05	15	30
TK5 steel	5,0	2,2	2,6	38,92	25	60	38,92	25	80
ATK5 steel	5,0	2,7	3,8	38,56	25	60	38,56	25	80
T10 steel	10,0	4,5	4,5	36,35	12	60	61,81	20	60
T10 aramid */ **	10,0	4,5	4,0	36,35	12	50	61,81	20	50
AT10 steel	10,0	4,5	6,4	45,90	15	50	77,73	25	120
AT10 steel HF	10,0	4,5	6,4	36,35	12	50	61,81	20	100
AT10 aramid	10,0	4,5	4,4	45,90	15	50	77,70	25	120
ATL10 steel	10,0	4,8	6,9	77,73	25	80	77,73	25	150
DT10 steel	10,0	4,5	5,7	36,35	12	60	61,81	20	60
TK10 steel	10,0	4,5	5,3	77,73	25	80	77,73	25	80
ATK10 steel	10,0	4,5	7,2	77,73	25	80	77,73	25	120
T20 steel	20,0	8,0	7,7	92,64	15	120	156,32	25	120
T20 aramid	20,0	8,0	6,4	92,64	15	100	156,32	25	100
AT20 steel	20,0	8,0	9,7	111,75	18	120	156,32	25	180
ATL20 steel	20,0	8,4	11,2	156,32	25	160	156,32	25	250
HTD 3M steel	3,0	2,4	2,0	14,52	16	40	18,34	20	50
HTD 5M steel	5,0	3,7	4,8	24,32	16	50	30,69	20	50
HTD 8M steel	8,0	5,6	6,9	44,46	18	50	44,46	18	120
HTD 14M steel	14,0	10,0	11,3	122,13	28	120	122,13	28	180
STD 5M steel	5,0	3,35	4,6	24,50	16	50	30,87	20	50
STD 8M steel	8,0	5,3	6,6	44,46	18	50	44,46	18	120
MXL steel	2,032	1,2	1,2	9,19	15	15	11,13	18	15
XL steel	5,080	2,49	2,4	15,66	10	30	23,75	15	30
XL aramid	5,080	2,49	1,8	15,66	10	25	23,75	15	25
L steel	9,525	3,61	3,9	44,72	15	60	59,88	20	60
L aramid	9,525	3,61	3,6	44,72	15	50	59,88	20	50
H steel	12,70	4,29	4,3	55,23	14	60	79,48	20	80
H aramid	12,70	4,29	3,5	55,23	14	50	79,48	20	65
XH steel	22,225	11,2	10,6	124,54	18	150	138,69	20	180
XH aramid	22,225	11,2	9,9	124,54	18	120	138,69	20	150
F1 steel	-	1,0	1,8	16,00	-	16	30,00	-	30
F2 steel	-	2,0	3,4	50,00	-	50	100,00	-	100
F4 steel	-	4,0	8,0	120,00	-	120	150,00	-	150
Eagle 8M steel NT	8,0	5,33	6,0	50,96	20	51	63,69	25	100
Eagle 10M steel NT	10,0	6,10	7,4	79,62	25	96	101,91	32	150
Eagle 14M steel NT	14,0	8,64	11,4	142,68	32	160	178,34	40	250

Specials on request

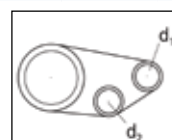
\* no coil nose (NC) available

\*\* extra wide with less tension member available

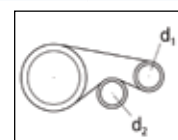
\*\*\* no coil nose (NC) + aramid available

d1 and d2 = diameter of the pulley [mm]

t1 = teeth number of pulley 1

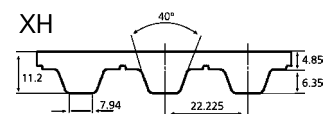
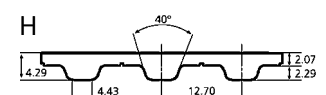
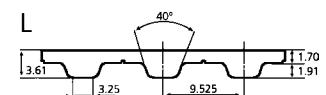
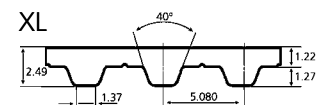
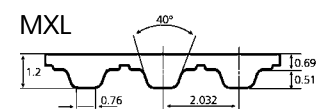
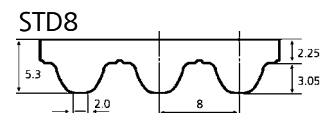
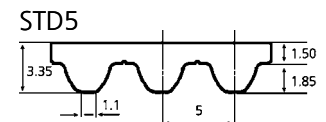
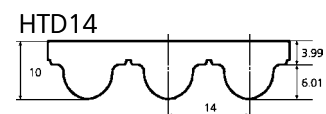
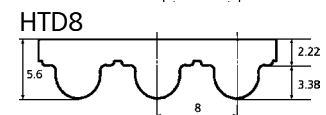
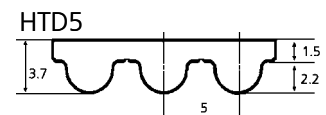
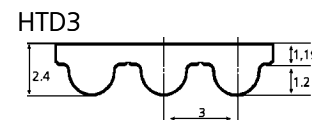
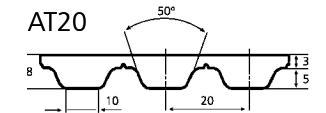
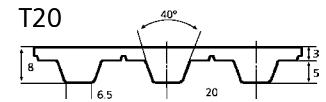


a) without counter flexing



b) with counter flexing

Type	Tensile strength			
	max. allowable load per 50 mm belt width			
	Fal open end [N]	Fal welded [N]	Fbr break load [N]	Cspec [x 1000 N]
T2.5 steel	1440	720	6000	360
T5 steel *	1690	845	7650	450
T5 steel NTB AS	1690	845	7650	450
T5 aramid	1800	900	9500	409
AT5 steel	3500	1750	12800	875
ATL5 steel	5060	1750	18400	1265
TT5 steel	1690	845	7650	450
TT5 aramid	1800	900	9500	409
DT5 steel	1690	845	7650	450
TK5 steel	1690	845	7650	450
ATK5 steel	3500	1750	12800	875
T10 steel	4200	2100	16050	1320
T10 aramid */ **	3970	1985	15200	861
AT10 steel	7500	3750	30000	1960
AT10 steel HF	6200	3100	25000	1623
AT10 aramid	7125	3560	28400	1696
ATL10 steel	14500	3750	50100	3625
DT10 steel	4200	2100	16050	1320
TK10 steel	4200	2100	16050	1320
ATK10 steel	7500	3750	30000	1960
T20 steel	6500	3250	26500	1760
T20 aramid	5700	2850	24000	1220
AT20 steel	11700	5850	32500	3000
ATL20 steel	16000	5850	62700	3990
HTD 3M steel	1560	780	6500	390
HTD 5M steel	5060	2530	18400	1265
HTD 8M steel	7170	3585	30400	1792
HTD 14M steel	13000	6500	44980	3250
STD 5M steel	5060	2530	18400	1265
STD 8M steel	7170	3585	30400	1792
MXL steel	630	350	2550	-
XL steel	1500	750	6250	375
XL aramid	2000	1000	10000	337,5
L steel	3560	1780	14930	840
L aramid	3320	1660	14220	756
H steel	3560	1780	14930	840
H aramid	3300	1650	14220	768
XH steel	6500	3250	26500	1760
XH aramid	5600	2800	23500	1584
F1 steel	1800	900	7500	450
F2 steel	7040	3520	30400	1760
F4 steel	16800	8400	66000	4200
Eagle 8M steel NT	8640	4300	30250	2160
Eagle 10M steel NT	14000	7000	52500	3600
Eagle 14M steel NT	14700	7350	55800	3675



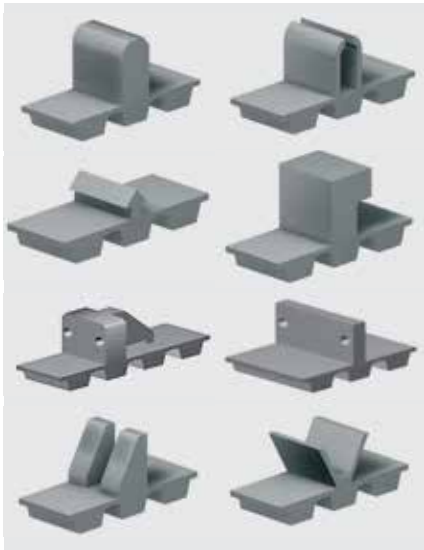
Also available: all major pitch and configurations of neoprene – fiberglass Timing Belts and Poly Vee-belts.

# Engineered Belts – creating a custom-made product

Ammeraal Beltech has an outstanding reputation for developing individual solutions for each separate belting application. We understand that your processes and equipment are unique to your business, and our engineers have the technical proficiency and the industry experience to develop belts for even the most challenging operating conditions.

## Cleats

- Timing Belts customised with welded-on profile/cleats made from the same polyurethane as the body of the belt
- Integrated metal teeth to enable mechanical attachment of cleats
- Both simple upright and custom-made complex-shape cleats available
- Welding
  - › infrared welding
  - › friction welding
  - › contact heated tool welding
- High frequency



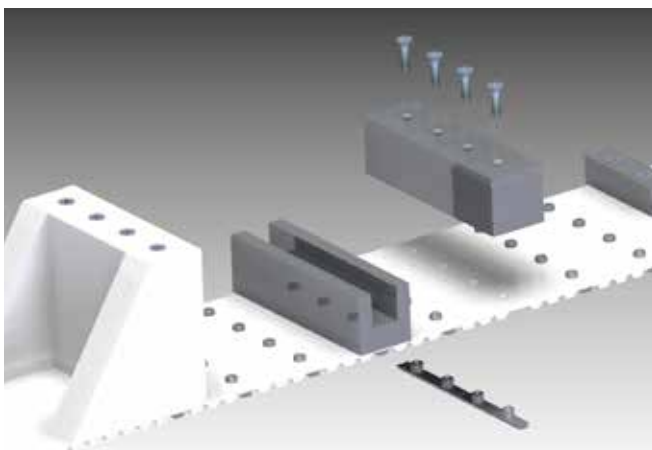
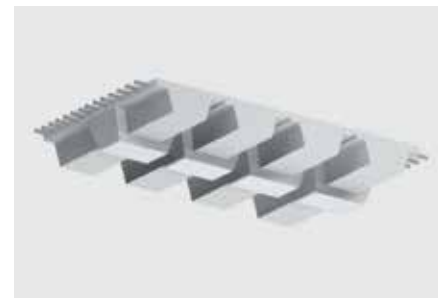
## Endlessing

- Splicing
- Welded joint
  - › only done with open-end PU Linear types
  - › finger joint, tapered fingers
  - › no glues or adhesives
  - › strength after welding at 50% of original maximum belt strength
- Fasteners
  - › for specialized tasks
  - › plastic lace fastener
  - › pin-joint fastener
  - › quick installation on site
- Jointing tools
  - › finger-punch
  - › splice press
  - › welding moulds per belt pitch type
  - › control unit
  - › water-cooling unit
  - › jointing on site also possible

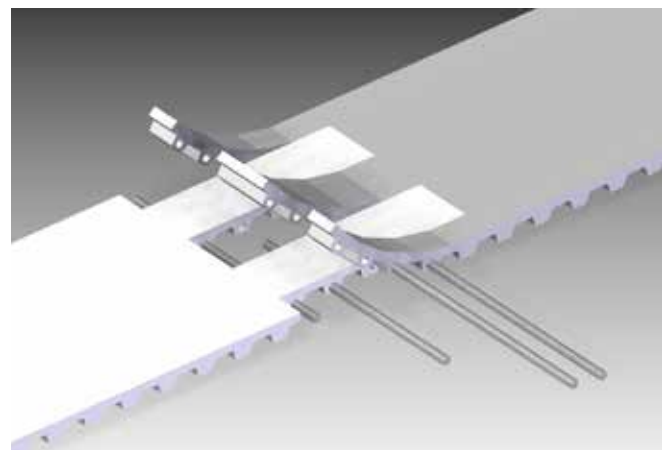


## Vee-guides

- Fabricated Vee-guides
  - › for PU Linear, PU Torque and PU Moulded belts
  - › can be fit to any belt type in any width, length combination
  - › can be glued on
  - › can also be added onto the back side of the belt
  - › special dimensions, colours and degrees of hardness available
  - › special notched types available for extra flexibility
- Timing Belts with integrated Vee-guides
  - › PU compound, hardness and colour that match the body of the belt



mechanical attachment of cleats, metal teeth



pin-joint fastener





## Machining

- Grooves for Vee-guides and for vacuum belts
- Holes created by water jet cutting, punching or drilling
- Grinding full surface or profiles, such as poly Vee-profile
- Cross slots and slits
- Machinery customised to your design
- Embossing of thermoplastic covers
- Milling recessed slots



## Covers

Cover materials determine a belt's unique set of properties, such as friction, flexibility, wear resistance and oil and fat resistance.

Ammeraal Beltech can apply an extra cover to almost any base belt, whether it is a standard belt, a high-performance flat belt or a timing belt. We offer an extensive range of cover materials, including rubbers, PVC, polyurethane, cellular materials and other special materials.

What's more, we can fit a cover to a base belt using any one of four processes:

### Bonding

with glue, warm or cold, relatively easy, one off, economic, not seamless

### Welding

with hot air, only thermoplastics, seamless if required

### Casting

vulcanizing truly endless rubber covers, resulting in a seamless cover

### Coating

knife coating for paste covers and for truly endless seamless covers



# Covering Materials: Rubber



**NRS 035 yellow**  
Natural rubber, excellent grip with good abrasion resistance



**NTS 065 white FG**  
Nitrile rubber, oil and fat resistant synthetic rubber, food quality



**NRS 040 red**  
Natural rubber, high grip, good wear and abrasion resistance



**NTS 060 black**  
Nitrile rubber, very good wear and abrasion resistance under high temperatures, oil and fat resistance



**NRS 040 white FG**  
Natural rubber, high grip, good wear and abrasion resistance, food quality



**NTS 070 green**  
Nitrile rubber, oil and fat resistant, good grip, light fabric texture surface, good wear and abrasion resistance



**NRS 040 beige**  
Synthetic natural rubber, high grip, excellent for profiling and grooving, high tear and abrasion resistance



**CXS 065 C37 blue**  
Nitrile rubber, high wear and abrasion resistant, oil and fat resistance, C37 supergrip profile



**NRS 060 red**  
Natural rubber, high wear and abrasion resistance, good cut and tear resistance



**SRS 040 C37 tan**  
Synthetic rubber, high wear and abrasion resistance, sensitive grip, C37 supergrip profile



**NRS 070 purple**  
Natural rubber, excellent wear and abrasion resistance, high cut and tear resistance



**SRS 040 N19 white**  
Synthetic rubber, good wear and abrasion resistance, good grip, N19 nipple profile

Rubber											
Type	Material	Hardness [° ShA ]	Density [ kg / m³ ]	Color	Max. contact temperature [ ° C ]	Oil and fat resistance	Static coeff. of friction to steel	Food grade	Pulley factor	Standard thickness [ mm ]	
NRS 035 yellow	natural rubber	35	990	yellow	+65	low	1.2	no	13	3, 4, 5, 6, 8, 10, 12, 15, 20, 25, 30	
NRS 040 red	natural rubber	40	980	red	+70	low	1.0	no	15	1.6, 2.4, 3.2, 5, 6, 8, 10, 12, 15	
NRS 040 white FG	natural rubber	40	1000	white	+70	limited	1.0	yes	15	2, 3, 5, 6, 8, 10	
NRS 040 beige	synthetic rubber	40	1000	beige	+70	low	1.1	no	15	4, 6, 8, 10, 12, 15	
NRS 060 red	natural rubber	60	1100	red	+75	low	0.9	no	17	3, 5, 6, 8, 10, 12, 20, 25	
NRS 070 purple	natural rubber blend	70	1130	purple	+75	limited	0.6	no	20	3, 4, 5, 6, 8, 10, 12, 15, 20, 25	
NTS 065 white FG	nitrile rubber	65	1300	white	+80	good	0.8	yes	18	5, 10	
NTS 060 black	nitrile rubber	60	1300	black	+110	good	0.7	no	18	4, 6, 8, 10, 12	
NTS 070 green	nitrile rubber	70	1200	green	+100	good	0.7	no	25	1, 2	
CXS 065 C37 blue	nitrile rubber	65	750	blue	+120	excellent	0.9	no	20	4.3	
SRS 040 C37 tan	synthetic rubber	40	800	tan	+80	limited	1.0	no	15	4.3	
NTS 050 C37 red	nitrile rubber	50	1200	red	+120	excellent	0.7	no	20	4.3	
SRS 040 N19 white	synthetic rubber	40	1700	white	+80	limited	na	no	20	2	

# Covering Materials: PU & PVC



**PUS 060 blue/black**  
Polyurethane, high grip, flexible, very tough, embossing possible



**PUS 080/BS white**  
Polyurethane, excellent cut and wear resistant, good oil and chemical resistance



**PUS 080 transparent**  
Polyurethane, high grip, high abrasion resistance, cut and tear resistance, embossing possible



**PVS 030 P6 green/blue**  
PVC, good chemical resistance, high grip, P6 supergrip profile



**PUS 085 blue AM FG**  
Polyurethane, good abrasion resistance, excellent oil and fat resistance, antimicrobial, food quality



**PVS 030 P7 blue**  
PVC, good chemical resistance, high grip, P7 minigrip profile



**PUS 085 A16 blue AM FG**  
Polyurethane, good abrasion resistance, excellent oil and fat resistance, antimicrobial, A16 profile



**PVS 035 blue**  
PVC, high grip, limited oil and grease resistance, embossing possible



**PUS 085 A5 blue FG**  
Polyurethane, good abrasion resistance, excellent oil and fat resistance, A5 nipple profile



**PVS 065 A24 white FG**  
PVC, good oil and grease resistance, good chemical resistance, haringbone profile



**PUS 092 white**  
Polyurethane, excellent abrasion resistance, good oil and fat resistance



**PVS 065 A13 white**  
PVC, good oil and grease resistance, good chemical resistance, sawtooth profile

PU & PVC										
Type	Material	Hardness [ ° ShA ]	Density [ kg / m³ ]	Color	Max. contact temperature [ ° C ]	Oil and fat resistance	Static coeff. of friction to steel	Food grade	Pulley factor	Standard thickness [ mm ]
PUS 060 blue/black	Polyurethane	60	1150	blue, black	+80	good	0.9	no	25	2.5
PUS 080 transparent	Polyurethane	80	1110	transp.	+80	good	0.8	no	30	1, 2, 3, 4
PUS 085 blue AM FG	TPU Ropanyl	85	1230	blue	+80	excellent	0.6	yes	30	1.5
PUS 085 A16 blue AM FG	TPU Ropanyl	85	860	blue	+80	excellent	na	yes	20	2.5
PUS 085 A5 blue FG	TPU Ropanyl	85	950	blue	+80	excellent	na	yes	15	3.5
PUS 092 white	Polyurethane	92	1300	white	+80	excellent	0.6	no	30	2, 3
PUS 080/BS white	PU Ropan BS	80	1000	white	+80	good	0.4	no	25	2, 3, 4
PVS 030 P6 green/blue	PVC Flexam	30	780	blue, green	+90	limited	0.9	no	15	4
PVS 030 P7 blue	PVC Flexam	30	800	blue	+90	limited	0.9	no	15	4
PVS 035 blue	PVC Flexam	35	1390	blue	+90	limited	1.1	no	20	1, 2, 3
PVS 065 A24 white FG	PVC Nonex	65	660	white	+90	good	na	yes	18	4
PVS 065 FG blue/white	PVC Nonex	65	1330	blue, white	+90	good	0.7	yes	25	2, 3, 4
PVS 065 blue AM FG	PVC Nonex	65	1330	blue	+90	good	0.7	yes	25	1.5
PVC 065 P13 white	PVC Nonex	65	750	white	+90	good	na	yes	18	4

# Covering Materials: Cellular



**NRS 160 grey/orange**  
Natural rubber, open cellular construction, high resilience, high elasticity and porosity, compressible



**NRS 200 black**  
Natural rubber, open cellular construction, high grip, high resilience, high elasticity and porosity, compressible



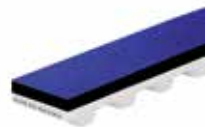
**NRS 250 orange**  
Natural rubber, open cellular construction, non-marking, high resilience, high elasticity and porosity



**NRS 270 green**  
Natural rubber, open cellular construction, high grip, non-marking, high resilience



**NES 290 black**  
Neoprene rubber, closed cellular construction, very high grip, good oil and chemical resistance



**FBS 160 blue**  
Closed cellular neoprene rubber covered by premium stretch fabric, low friction surface



**PUS 220 blue**  
Polyurethane, low density partially closed cellular construction, good oil and fat resistance



**PUS 300 green**  
Polyurethane, medium density partially closed cellular construction, good abrasion resistance



**PUS 400 brown**  
Polyurethane, high density partially closed cellular construction, good abrasion resistance



**PUS 400 beige**  
Polyurethane, high density closed cellular construction, excellent wear resistance



**PUS 600 yellow**  
Polyurethane, very high density fully closed cellular construction, good wear and abrasion resistance

Cellular										
Type	Material	Hardness [ ° ShA ]	Density [ kg / m³ ]	Color	Max. contact temperature [ ° C ]	Oil and fat resistance	Static coeff. of friction to steel	Food grade	Pulley factor	Standard thickness [ mm ]
NRS 160 grey/orange	natural rubber, open cellular	-	160	orange, grey	+65	low	1.0	no	6	5, 10, 15, 20, 25, 30
NRS 200 black	natural rubber, open cellular	-	200	black	+65	low	1.0	no	6	3, 5, 8, 10, 15,
NRS 250 orange	natural rubber, open cellular	-	250	orange	+65	low	1.0	no	8	5, 10, 15, 20, 25, 30
NRS 270 green	natural rubber, open cellular	-	270	green	+65	low	1.0	no	8	5, 10, 15
NES 290 black	neoprene rubber, closed cellular	-	290	black	+85	good	1.3	no	10	5.5, 7, 10.5, 13, 30
FBS 160 blue	fabric covered cellular neoprene	-	160	blue	+70	good	0.3	no	15	3, 6
PUS 220 blue	cellular polyurethane	-	220	blue	+70	good	0.5	no	12	5, 7, 11, 12, 14, 25
PUS 300 green	cellular polyurethane	-	300	green	+70	good	0.5	no	14	4, 5, 7, 10, 11, 12, 14, 25
PUS 400 brown	cellular polyurethane	-	400	brown	+70	good	0.5	no	15	3, 5, 11, 12, 14, 25
PUS 400 beige	cellular polyurethane	-	400	beige	+80	good	0.3	no	16	1, 2, 3, 4, 5, 6
PUS 600 yellow	micro cellular polyurethane	50	600	yellow	+70	excellent	0.4	no	20	2, 3, 4, 5, 6, 8, 10

# Covering Materials: Special



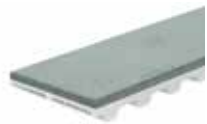
**PRS 060 blue/red**  
Technopolymer, high grip, good abrasion resistance, light embossing possible, silicon-free, good flexibility at low temperatures



**CLS 925 grey**  
Chrome leather, high abrasion resistance, medium grip, good for oily and greasy circumstances



**NPS 055 brown/white**  
Needle punched polyester fabric, low grip, high abrasion and wear resistance



**PES 999 grey**  
Needle punched polyester fabric impregnated, low grip, high abrasion resistance



**PAS 778 green**  
Low friction and low noise nylon fabric, excellent wear resistance, good oil and chemical resistance



**PLS 035 red**  
Pletex poly blend, high grip, limited oil and grease resistance, embossing possible



**AMS 090 A16 ivory**  
Polyester, good abrasion resistance, excellent oil and fat resistance, A16 nipple profile



**SIS 060 blue**  
Silicone rubber, good wear and abrasion resistance, self-releasing surface



**SIS 040 light blue FG/white**  
Silam silicone rubber, excellent tear strength, high grip, self-releasing surface, food quality



**ELS 060 green**  
Technopolymer, high grip, good oil and fat resistance, excellent abrasion and tear resistance



**KFS 999 yellow<sup>\*)</sup>**  
Aramid felt, heat resistant, good abrasion resistance, good oil and fat resistance

Special										
Type	Material	Hardness [ ° ShA ]	Density [ kg / m <sup>3</sup> ]	Color	Max. contact temperature [ ° C ]	Oil and fat resistance	Static coeff. of friction to steel	Food grade	Pulley factor	Standard thickness [ mm ]
PRS 060 blue/red	thermoplastic technopolymer	60	1030	blue, red	+80	good	0.9	no	25	2.3
CLS 925 grey	chrome leather	-	930	grey	+80	excellent	0.8	no	30	3
NPS 055 brown/white	needle punched polyester fabric	-	560	brown, white	+80	good	0.3	no	25	2.5 (white: 2)
PES 999 grey	polyester fabric	-	1400	grey	+80	good	0.3	no	25	2.0
PAS 778 green	nylon fabric	-	220	green	+80	good	0.3	no	-	0.5
PLS 035 red	Pletex poly blend	35	1385	red	+90	limited	0.9	no	20	2, 3, 4
AMS 090 A16 ivory	Amtel polyester	90	450	ivory	+100	excellent	na	yes	30	2.5
SIS 060 blue	silicone rubber	60	1600	blue	+220	good	0.6	no	17	3.2, 5.0, 7.0
SIS 040 l bl. FG, white	silicone rubber Silam	40	1120	blue, white	+250	excellent	1.3	yes	15	1-10
ELS 060 green	Elastonyl technopolymer	60	1060	green	+80	good	0.9	no	25	2.4
KFS 999 yellow <sup>*)</sup>	Aramid felt	-	320	yellow	+480 <sup>1)</sup>	good	0.3	no	na	10

<sup>\*)</sup> also available PBO felt +600°C, Nomex felt + 280°C, Polyester felt +180°C

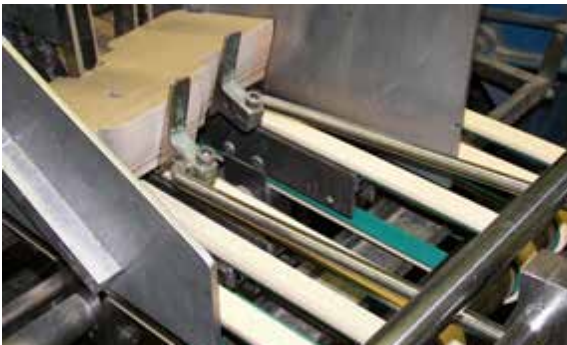
<sup>1)</sup> surface contact temperature

# A solution for every application

Engineered Belts can be found performing a wide variety of tasks in many different industries. Each belt is specialised to meet specific needs.

## Feeder belts

Many folder gluer machines in the corrugated industry have feeder belts from Ammeraal Beltech to feed the corrugated box dies. Our Ultrafeed 500 cover, with its exceptional friction and wear resistance, gives our feeder belts excellent performance and a long service life. In addition, our food-approved belt covers meet FDA/EC regulations.

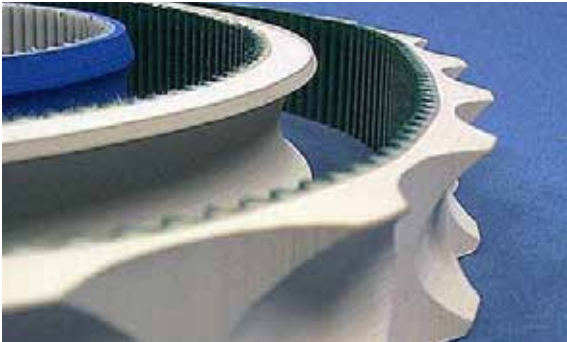


### Product benefits:

- Consistent feeding of the corrugated box dies to improve productivity and yield
- Non-marking covers to help reduce waste and scrap
- Reduced maintenance costs due to long service life
- FDA/EC approved feeder belt covers that meet government and customer demands for food safety

## Sausage belts

In the meat industry, food safety is key. With our blue food-approved antimicrobial sausage belt covers, you are ready to meet and exceed the most challenging food safety demands.



### Product benefits:

- Constant product feed due to the excellent soft grip of our Silam covers, even in cold, greasy circumstances
- Highly flexible cover ensuring maximum productivity and belt life, even at reduced ambient temperatures
- Reduced damage to the sausages due to gentle linking process and continuous transport
- Antimicrobial properties to support your HACCP programme, and sealed edges to protect belt reinforcement and eradicate possible product contamination

## Haul-off and cable-pulling belts

Haul-off and cable-pulling belts, designed to operate in pairs on caterpillars, are precision-made to exact specifications. The hardness, thickness and friction properties of the covers combine to deliver excellent pulling/clamping force ratio, and their special wear-resistance and low-aging qualities ensure a long service life.



### Product benefits:

- Equal thickness of belt pair over entire length for reliable uniformity of speed
- A wide range of covers offering different hardness and friction coefficients
- Longitudinal profiles for better fit-grip
- Heat and chemical-resistant covers for particularly demanding applications
- Different base belts available, including Poly-V, flat belts and timing belts

## Top-compression and seam-compression belts for the corrugated industry

After folded boxes have been glued, top-compression and seam-compression belts hold them carefully in place during transport and drying. The weight of the belt holds the boxes down and the soft thick belt cover adapts to the shape of any folded box, large or small. What's more, our belts have been specially constructed from non-marking flexible materials to carefully compress boxes in order to preserve product quality.



### Product benefits:

- Belt adapts to the size and shape of your product for better compression
- Soft and compressible top cover to reduce product damage
- EU and FDA compliant food grade top covers available
- Available with a truly endless top cover for improved belt performance

## Belts for the sanitary paper industry

Belts for the sanitary paper industry are designed to strict job specifications. Products such as diapers and sanitary pads are assembled with high precision on moving belts at speeds up to 400 meters per minute. These positive drive belts are key to the synchronous assembly lines used for these products. The high-friction covers, together with the vacuum that is applied, hold the product in place while it is assembled, cut, folded and packed.



### Product benefits:

- No product slip, thanks to vacuum feature and high friction covers, for maximum efficiency
- Excellent running properties at high speeds for greater productivity
- Precise product positioning for smoothest possible workflow
- Available with non stick silicone cover

## Pull-down Belts

Vertical form-fill & seal (VFFS) bagging machines are widely used, particularly in the food and chemical industries. Typical products that are packed using this equipment are sweets, cheese, coffee, deep-freeze products, chemicals, sand and soil, and small plastic products.

The function of the pull-down belts is to consistently move a plastic film (wrapped around a steel tube) downwards in a controlled start-stop movement. This is a demanding application and requires high-performance belts with friction covers that are both wear-resistant and tear-resistant. Our pull-down belts are ideal for this work, and they're all non-marking and machined specifically to fit the task they perform.



### Product benefits:

- Constant and secure foil pull
- Non-marking belt covers to safeguard product quality
- Wear resistant belt surface for a longer service life

# Local Contacts

## Australia

T +61 3 9555 7922  
info-au@ammeraalbeltech.com  
www.rydell.com.au

## Austria

T +43 171728 133  
info-de@ammeraalbeltech.com  
www.ammeraalbeltech.at

## Belgium

T +32 2 466 03 00  
info-be@ammeraalbeltech.com  
www.ammeraalbeltech.be

## Canada

T +1 905 890 1311  
info-ca@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Chile

T +56 2 233 12900  
info-cl@ammeraalbeltech.com  
www.ammeraalbeltech.cl

## China

T +86 512 8287 2709  
info-cn@ammeraalbeltech.com  
www.ammeraalbeltech.com.cn

## Czech Republic

T +420 567 117 211  
info-cz@ammeraalbeltech.com  
www.ammeraalbeltech.cz

## Denmark

T + 45 7572 3100  
info-dk@ammeraalbeltech.com  
www.unichains.com

## Finland

T +358 207 911 400  
info-fi@ammeraalbeltech.com  
www.ammeraalbeltech.fi

## France

T +33 3 20 90 36 00  
info-fr@ammeraalbeltech.com  
www.ammeraalbeltech.fr

## Germany

T +49 4152 937-0  
info-de@ammeraalbeltech.com  
www.ammeraalbeltech.de

## Hungary

T +36 30 311 6099  
info-hu@ammeraalbeltech.com  
www.ammeraalbeltech.hu

## India

T +91 44 265 34 244  
info-in@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Italy

T +39 051 660 60 06  
info-it@ammeraalbeltech.com  
www.ammeraalbeltech.it

## Luxembourg

T +352 26 48 38 56  
info-lu@ammeraalbeltech.com  
www.ammeraal-beltech.lu

## Malaysia

T +60 3 806 188 49  
info-my@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Netherlands

T +31 72 57 51212  
info-nl@ammeraalbeltech.com  
www.ammeraalbeltech.nl

## Poland

T +48 32 44 77 179  
info-pl@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Portugal

T +351 22 947 94 40  
info-pt@ammeraalbeltech.com  
www.ammeraalbeltech.pt

## Singapore

T +65 62739767  
info-sg@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Slovakia

T +421 2 55648541-2  
info-sk@ammeraalbeltech.com  
www.ammeraalbeltech.sk

## South Korea

T +82 31 448 3613-7  
info-kr@ammeraalbeltech.com  
www.ammeraalbeltech.co.kr

## Spain

T +34 93 718 3054  
info-es@ammeraalbeltech.com  
www.ammeraalbeltech.es

## Sweden

T +46 44 780 3010  
info-se@ammeraalbeltech.com  
www.ammeraalbeltech.se

## Switzerland

T +41 55 2253 535  
info-ch@ammeraalbeltech.com  
www.ammeraalbeltech.ch

## Thailand

T +66 2 902 2604-13  
info-th@ammeraalbeltech.com  
www.ammeraalbeltech.com

## United Kingdom

T +44 1992 500550  
info-uk@ammeraalbeltech.com  
www.ammeraalbeltech.co.uk

## United States

T +1 847 673 6720  
info-us@ammeraalbeltech.com  
www.ammeraalbeltech.com

## Vietnam

T +84 8 376 562 05  
info-vn@ammeraalbeltech.com  
www.ammeraalbeltech.com.vn

## Global Headquarters:

### Ammeraal Beltech Holding B.V.

P.O. Box 38  
1700 AA Heerhugowaard  
The Netherlands

T +31 (0)72 575 1212  
F +31 (0)72 571 6455

info@ammeraalbeltech.com  
www.ammeraalbeltech.com

Expert advice, quality solutions  
and local service  
for all your belting needs



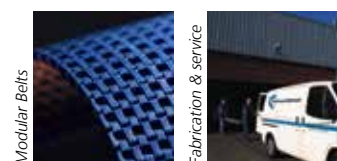
Conveyor Belts

Timing Belts



Seamless Belts

Transmission Belts



Modular Belts

Fabrication & service

... and 150 more service contact points at [www.ammeraalbeltech.com](http://www.ammeraalbeltech.com)